

Library

of the

University of Toronto

A Happy and Prosperous New Year to all.
—USE—
LANGWELL'S BABBITT
Montreal.

CANADIAN

HARDWARE AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

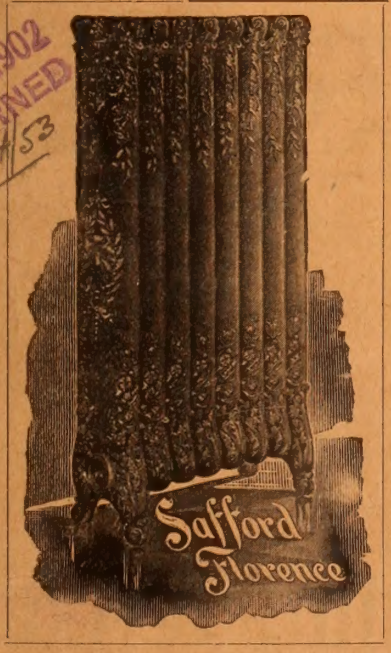
VOL. XIV. MONTREAL AND TORONTO, JANUARY 4, 1902 NO. 1.

POCKET KNIVES
H. BOKER & COS
IMPROVED
TREE BRAND
TRADE MARK
RAZORS CUTLERY SCISSORS
FOR SALE BY LEADING WHOLESALE HARDWARE HOUSES.

Lysaght's Black Sheets

"Queen's Head" C.R.C.A.—Highest grade, dead flat.
"Southern Cross" C.R.C.A. — First-class quality, dead flat.
"Southern Cross" C.A.—Same sheets, not dead flat.
Electrical Sheets, Tack Sheets, etc., etc.
No common sheets made.

JOHN LYSAGHT, Limited, Makers. BRISTOL, ENG.
A. C. LESLIE & CO., MONTREAL, Managers Canadian Branch.



The Best of All.

The "Safford" Radiator is the climax of radiator manufacturing. It's taken some years to reach that climax but the "Safford" is there, and alone acknowledged leader of them all.

It's a simple radiator made without bolts or packing. It's for hot-water and steam heating.

Don't decide on a heating plant until you hear about the "Safford". We are at the end of a two-cent stamp with a bundle of information cheerfully given. Send for catalogue.

THE DOMINION RADIATOR COMPANY, Limited,
HEAD OFFICE, DUFFERIN STREET,
The Largest Makers of Radiators in Canada. TORONTO. CANADA.

FINE

English Cutlery

CARVERS IN CASES
DESSERT SETS
FISH EATERS
CAKE KNIVES
BREAD FORKS, Etc.

NOVELTIES

BRASS KETTLES
CHAFING DISHES
HOT-WATER PLATES
BRASS INK STANDS
PAPERWEIGHTS, Etc.

RICE LEWIS & SON

LIMITED

Cor. King and Victoria Streets. TORONTO.

COPPER

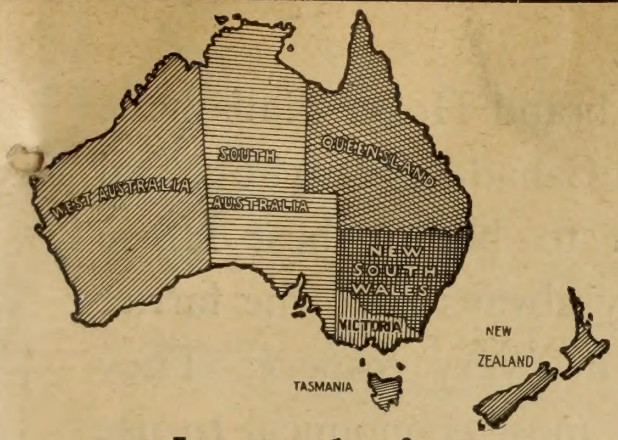
Ingot, Bar, Sheet, Tubing.

Samuel, Sons & Benjamin, London and Liverpool, Eng.

M. & L. Samuel, Benjamin & Co.

General Importers and Exporters and Metal Merchants.

27 Wellington St. West, TORONTO, ONT.



Australasian Hardware and Machinery.

The Organ of the Hardware, Machinery and Kindred trades of the Antipodes.

SUBSCRIPTION $1.25 PER ANNUM,

post free to any part of the world.

PUBLISHING OFFICES:
Melbourne, - Fink's Buildings.
Sydney, - - - Post Office Chambers.

AMERICAN OFFICES:
New York, - Park Row Building.

BRITISH OFFICES:
London, - - - 42 Cannon St., E.C.

Specimen Copies on application.

"C.R.C." Star



RED RUBBER PACKING

FOR HIGH-GRADE WORK

Good Packing **Good Price**
Good Profits **Good Advertising Matter**

Send for samples, prices and advertising matter.

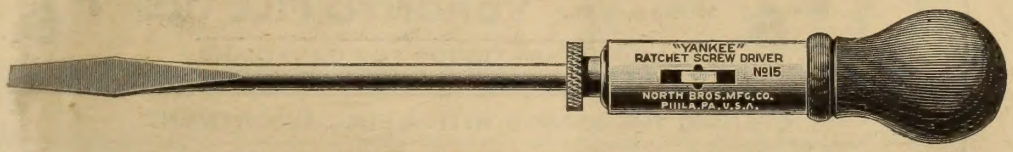
The Canadian Rubber Co.

MONTREAL TORONTO WINNIPEG

Other Tools are very good Tools, but

"YANKEE TOOLS"

ARE BETTER



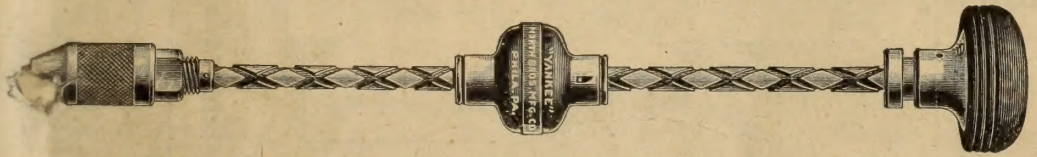
No. 15. "Yankee Ratchet Screw Driver, with Finger Turn on Blade.



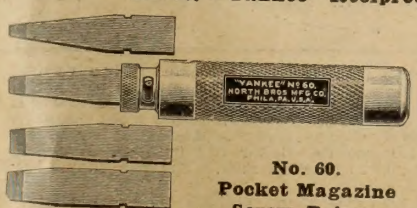
No. 30. "Yankee" Spiral-Ratchet Screw Driver, Right and Left Hand.



No. 41. "Yankee" Automatic Drill," Eight Drill Points in Handle.



No. 50. "Yankee" Reciprocating Drill, for Iron, Steel, Brass, Wood, etc.



No. 60. Pocket Magazine Screw Driver.

Our "YANKEE" Tool Book tells all about them. Mailed free on application. . . . . .

Manufacturers also of

LIGHTNING, GEM and BLIZZARD Ice Cream Freezers.

Toy Freezers, Ice Shaves and Ice Chippers.

Fluting Machines, Hand Fluters.

Sold by Leading Jobbers in Canada.

NORTH BROS. MFG. CO.,

Philadelphia, Pa., U.S.A.

Millions of pounds of "C" brand Horse Nails have been used in shoeing horses in Canada since 1865, and every pound has proved them to be the best Horse Nail made in Canada. They always give the farrier the most satisfactory results in every respect. They cost a trifle more, but are the most economical to use and the easiest for the merchant to sell.

We thank every dealer who has sold "C" Horse Nails in 1901, and convey to them our sincere wishes for a Happy and Prosperous New Year.

CANADA HORSE NAIL COMPANY, MONTREAL.

GASOLINE MANTLES.

5-inch high pressure Gasoline Mantles, the best that have yet been put on the market. We defy competition in the manufacture of these mantles. We also manufacture the "Gloria" Triple-weave and the "United" Single-weave for incandescent gas lights.

Send for Price List.

The United Incandescent Light Co.,
7 Yonge St. Arcade, - TORONTO.
Phone Main 969.

Lockerby & McComb

AGENTS IN CANADA

FOR THE

Celebrated P. & B.
Cold Storage Lining

AND

. . Ruberoid Roofing . .

P. S.--Prices on Application.

65 Shannon Street, MONTREAL.

FILES. RASPS.

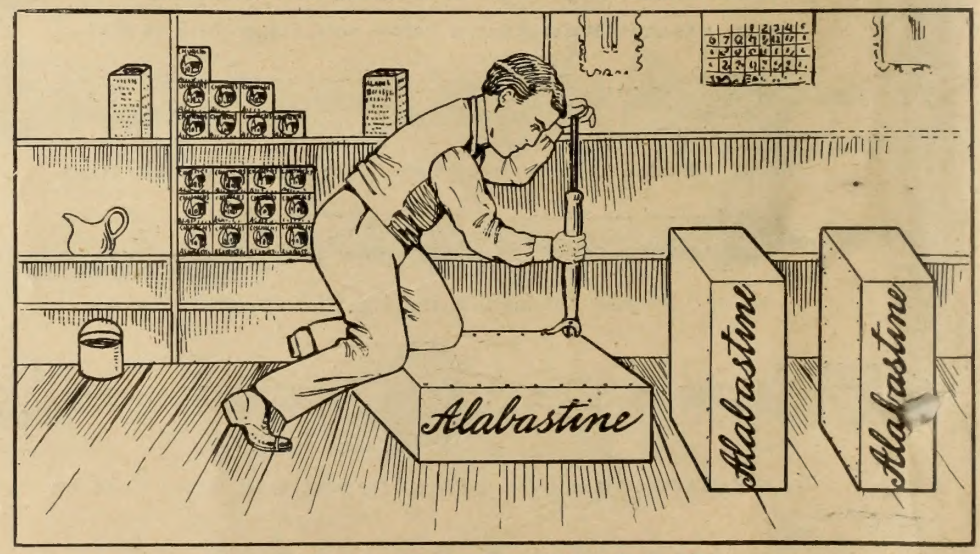
WE ARE NOT IN THE TRUST.

Quality of our goods guaranteed and our discounts very liberal. A trial order solicited. Write for discounts.

99 Niagara St., **TORONTO FILE CO.**

CANADIAN GOODS FOR CANADIANS.

OPENING THE SEASON WITH A FULL ASSORTMENT



CHURCH'S ALABASTINE.

The only Wall-Coating that is extensively advertised and in demand. That is known to be permanent, because it has stood the test of time, and that sells on its own merits. ALL DEALERS will recognize the importance of having goods in stock when customers want them. Don't put off. Order early, to get and be able to give prompt service. **Alabastine** is ready for use by the addition of **Cold Water**, a feature that is protected by patents. Beware of imitations. Write **The Alabastine Co., Limited, Paris, Ont.**, for special inducements to practical men. The trade supplied by Wholesale Hardware and Paint Dealers. Also by

THE ALABASTINE CO., Limited, Paris, Ontario.

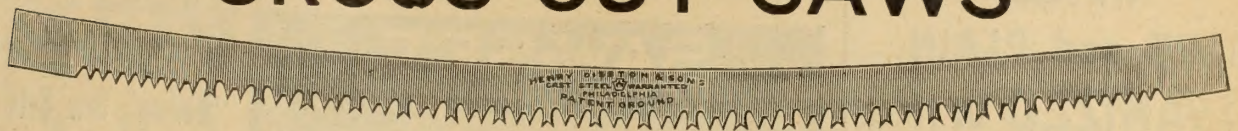
H. S. HOWLAND, SONS & CO.

WHOLESALE ONLY

37-39 Front Street West, **Toronto.**

ONLY WHOLESALE

CROSS CUT SAWS



"Triumph"—Henry Disston's Champion Tooth, Narrow Blade (as cut).
"Racer"—No. 0. Shurly & Dietrich, Lance Tooth, " "



Henry Disston's "Toledo Blade."

JAN 3
RETURNED



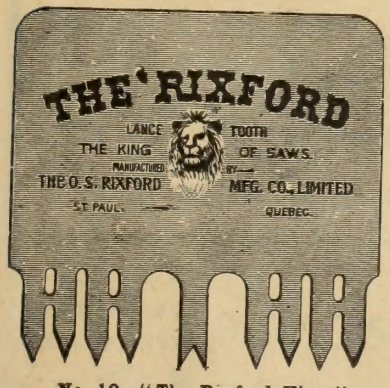
No. 15—"American Keen Cutter."



"The President."



No. 12—"Rixford Lance."



No. 10—"The Rixford King."



No. 1—"The Lance."



No. 0—"The Racer."

ALSO

Nicholson, and **Kearney & Foote's** Files and Rasps; **Heller Bros'** Horse Rasps; Cross Cut Saw Handles, Steel Wedges, Cant Hooks, Peavies, Pike Poles, Boot Calks, Chopping Axes, Coil Chain, Axe Handles, etc., etc.

H. S. HOWLAND, SONS & CO., Toronto.

WE SHIP PROMPTLY

Graham Wire and Cut Nails are the Best.

Factory: Dufferin Street, Toronto.

OUR PRICES ARE RIGHT

HENRY ROGERS, SONS & CO.,

SHEFFIELD, ENGLAND

Manufacturers of the celebrated



BARB and PLAIN GALVANIZED WIRE

We make a Specialty of

PLATED WARE, FRUIT KNIVES, ETC.

Our Canadian Representative carries a full line of samples.

Canadian Office:
6 St. Sacrament St., MONTREAL.

F. A. YORK, Manager.

THE INDEPENDENT CORDAGE CO., Limited,

TORONTO.

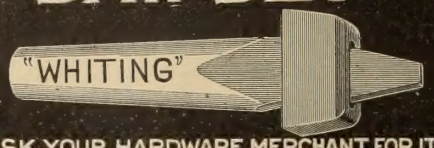
Highest Award Pan-American Exposition

MANUFACTURERS OF ALL KINDS OF

SISAL MANILA **ROPE,** Lath Yarn, Shingle Yarn, Hide Cord, Pulp Cord, Clothes Lines. **BINDER TWINE**

Transmission Rope a specialty.

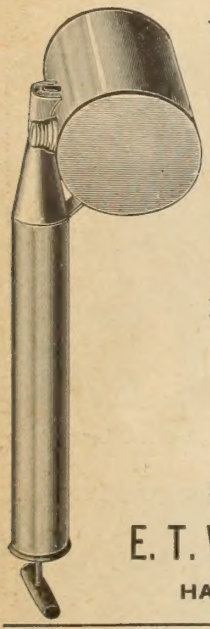
FOR LUMBERMEN. **SAW-SET** FOR CROSS-CUT SAWS ONLY.



ASK YOUR HARDWARE MERCHANT FOR IT
TAKE NO OTHER. FAILING TO DO ITS WORK YOUR MONEY WILL BE RETURNED
R. DILLON, OSHAWA ONT.

Why take imitations when you can buy the genuine goods just as cheap?

"Whiting" Saw Sets
"Whiting Universal" Saw Sets
"Champion Jointer" Saw Sets
English Steel Scythes
Axes, etc.



WRIGHT'S Insect Sprayers

PLAIN TIN,
LACQUERED,
ALL BRASS.

"BEST ON EARTH."

Manufactured by

E. T. WRIGHT & CO.

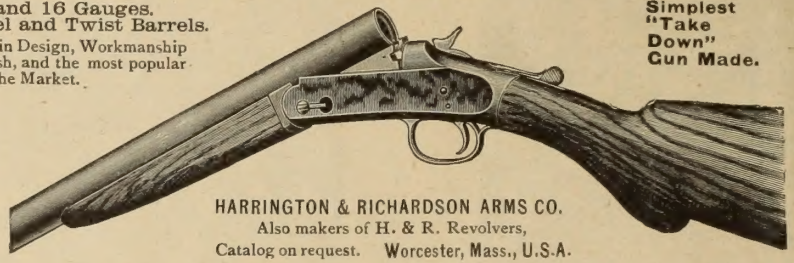
HAMILTON, ONT.

H. & R. SINGLE GUN AUTOMATIC AND NON-EJECTING.

12 and 16 Gauges.
Steel and Twist Barrels.

Superior in Design, Workmanship and Finish, and the most popular Gun on the Market.

Simplest "Take Down" Gun Made.



HARRINGTON & RICHARDSON ARMS CO.
Also makers of H. & R. Revolvers,
Catalog on request. Worcester, Mass., U.S.A.

STEVENS SINGLE BARREL SHOT GUN.

LATEST AND BEST SINGLE GUN ON THE MARKET.



MADE IN THREE STYLES THREE GAUGES UP-TO-DATE.

FINEST SINGLE GUN YET PRODUCED.

Our Goods are Handled by the Leading Jobbers.

J. Stevens Arms & Tool Co., P.O. Box 217 Chicopee Falls, Mass., U.S.A.

KNOX HENRY

Heavy Hardware and Metal Broker
Room 32, Canada Life Bldg., MONTREAL.



Samples sent free on application.

HORSE NAILS — "C" Brand Horse Nails Canada Horse Nail Co.

"BRASSITE" GOODS — Gunn Castor Co. Limited, Birmingham, Eng.

McCaskill, Dougall & Co
Fine Varnish & Japan
Manufacturers.
Montreal
Price Lists on application

A London Fence Machine is what every farmer needs.

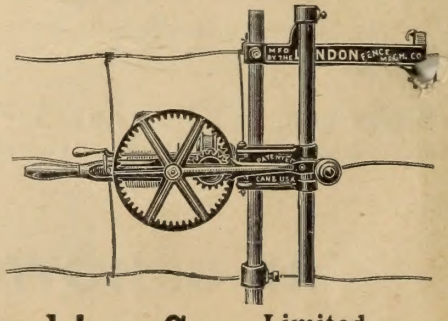
THEY SAVE 50 per cent.

A little trouble to introduce them will create a permanent demand. One agency only in each town.

Kinkora, Perth Co., July 15th, 1901.

Gentlemen,—I have been successful in placing with farmers of this township about thirty London Fence Machines and a large amount of other fence supplies. My patrons are all well pleased, and speak of the London as the best machine to build a good cheap fence. I expect to sell a great many more next season, as they cannot be beaten.

I am, yours truly, D. HARAGAN.



Closest prices on Coiled Spring Wire to the trade.

The London Fence Machine Co., Limited London, Ont.

A PROSPEROUS NEW YEAR TO ALL

1902

WAIT
FOR
OUR
REPRESENTATIVES:

♦ ♦ ♦

H. H. CLARK
J. A. DEMERS
F. E. DENNISON
S. R. KENNEDY
B. S LEAK
M. MORELL
R. McALLEN
B. SAUNDERS
C. SMALLPIECE
W. R. TAIT
J. W. TAYLOR
J. C. WATSON.

♦ ♦ ♦

IT
MEANS
DOLLARS
FOR
YOU.

We thank our many customers for past favors.

We wish you joy in the present.

We hope for your continued patronage in the future.

YOURS FOR BUSINESS

LEWIS BROS. & CO.

WHOLESALE HARDWARE

MONTREAL

Success and Prosperity for 1902.

MAY IT PROVE A RECORD BUSINESS YEAR FOR ALL FRIENDS AND PATRONS!

OXFORD Ranges and Heaters

will help to make it so.

They are Twentieth Century Lines—the nearest approach to absolute perfection in cooking and heating apparatus that you will find.

If you aren't familiar with our extensive variety of **Oxford** goods, you will find it pays to get acquainted with them—pays you—we are confident that we can retain your interest.

THE GURNEY FOUNDRY CO., LIMITED

The Gurney-Massey Co., Limited, Montreal. TORONTO, WINNIPEG, and VANCOUVER.

Manufacturers of the largest and most complete line under one name in Canada.

THE OSHAWA WIRE FENCE CO., LIMITED

OSHAWA, ONT.

Manufacturers of Woven Wire Fencing, Gates, Etc.

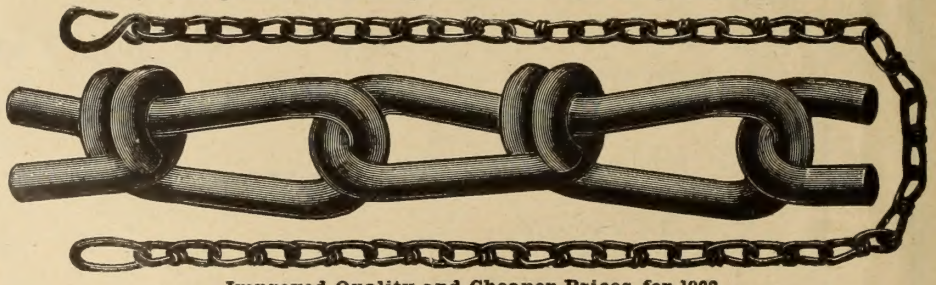
Also Dealers in Galvanized Fence Wire.

Agents Wanted.

Send for Catalogue and Prices.

IMPROVED STEEL WIRE TRACE CHAINS.

Every chain guaranteed. Most profitable and satisfactory chain to handle.



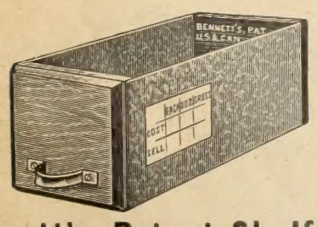
Improved Quality and Cheaper Prices for 1902.

THE B. GREENING WIRE CO., LIMITED

HAMILTON, ONT., AND MONTREAL, QUE.

After Stocktaking

in the quiet time is the opportunity to equip with



Bennett's Patent Shelf Box

Write for our new discount sheets containing lower prices and 7 varieties in Shelf Boxes.

J. S. BENNETT, Patentee and Manufacturer, 15 MARION ST., **TORONTO**

Dundas Axes

One customer writes: "We have found your Axes the best we have ever handled." Another writes: "Duplicate the shipment made us July 4th." Another says: "We sell the 'Crown Jewel' at $1.00 and it goes every time."

DUNDAS AXE WORKS

Dundas, Ont.

W. L. Haldimand, Jr., Agent, Montreal.

The Robin Hood Powder Company

If you want the best Trap or Game load in the world, buy "Robin Hood Smokeless," in "Robin Hood" Shells. It is quick, safe, and reliable. Try it for pattern and penetration from forty to seventy yards against any powder on the market. We make the powder, we make the shells, and we load them. Write for our booklet, "Powder Facts."

The Robin Hood Powder Company

SWANTON, VT.

AMERICAN SCYTHES.

Hubbard & Blake's
and Isaiah Blood's
} Celebrated Scythes

PRICES NO HIGHER THAN CANADIAN—QUALITY BETTER.

If you want them and your Jobber has not got them write to us.

Thos. C. Collins & Sons
301 St. James St.
MONTREAL
SALES AGENTS FOR CANADA.

American Axe & Tool Co.
253 BROADWAY,
NEW YORK, N.Y.

LOCKS and BUILDERS' HARDWARE

Made in great variety of design and finish.

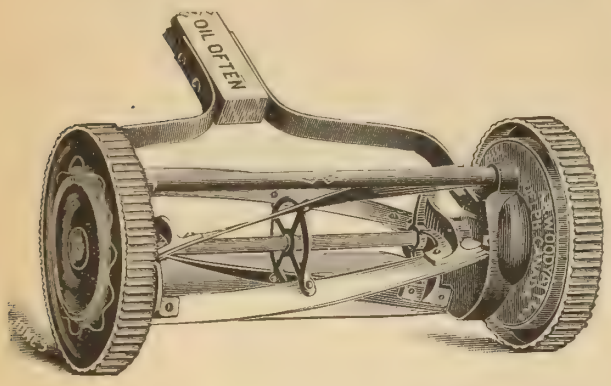
Catalogues and price list mailed on application.

THE LARGEST MAKERS IN THE DOMINION.



The Gurney-Tilden Co., Limited, - Hamilton, Canada.

THE "PHILADELPHIA" LAWN MOWER.



7½-inch Drive Wheels.
4-Knife Cylinders.
Sizes—10, 12, 14, 16 inches.

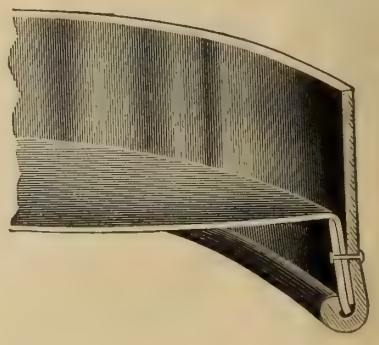
KNIVES ARE TOOL STEEL, TEMPERED IN OIL. MOWER IS MADE AND FINISHED THROUGHOUT TO RANK HIGHEST GRADE. . . . . .

THIS MOWER IS ESPECIALLY SUITED FOR TERRACE WORK OR UPON LAWNS WHERE THERE ARE A LOT OF TREES OR SHRUBS.

EVERY ONE ADJUSTED AND TESTED BEFORE LEAVING FACTORY.

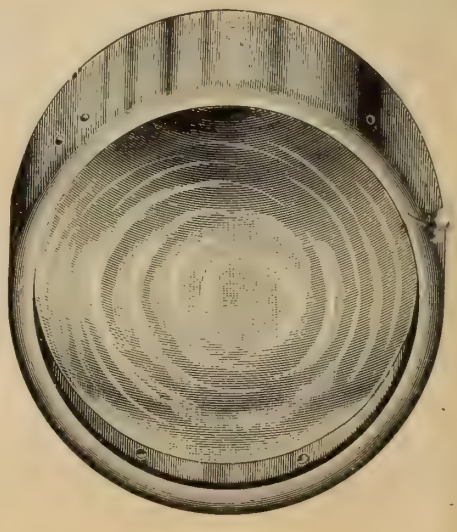
Manufactured by A. R. Woodyatt & Co., Guelph, Canada.
Sold only through the Wholesale Trade.

KEMP'S Broad Hoop Roll Rim Milk Can Bottoms



possess all the points which go to make perfection in Can Bottoms. They have been used by a criticizing public for three seasons, and their popularity is evidence of the satisfaction which they gave. The Roll Rim has no sharp turns which break the grain of the metal and lessen its wearing qualities. It has a broad wearing surface and will not damage floors. They do not cost more than an inferior Bottom. **The IRON-CLAD TRIMMINGS** are made the same as the broad hoop, and differ from them only in having a narrower and thicker hoop which does not require the Roll Rim, and, therefore, can be sold cheaper. For durability and finish our trimmings are unequalled.





Manufactured by

KEMP MANUFACTURING CO.,
TORONTO, CANADA.

HARDWARE AND METAL

VOL. XIV. MONTREAL AND TORONTO, JANUARY 4, 1902. NO. I.

President,
JOHN BAYNE MacLEAN,
Montreal.

THE MacLEAN PUBLISHING CO.
Limited.

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P.E. Island and Newfoundland.

OFFICES

MONTREAL - - - - - - 232 McGill Street. Telephone 1255.
TORONTO - - - - - - 10 Front Street East. Telephone 2701.
LONDON, ENG. - - - - 109 Fleet Street, E.C., W. H. Miln.
MANCHESTER, ENG. - - - 18 St Ann Street, H. S. Ashburner.
WINNIPEG - - - - Western Canada Block, J. J. Roberts.
VANCOUVER, B.C. - - - - - Flack Block, J. A. Macdonald,
ST. JOHN, N. B. - - - No. 3 Market Wharf, J. Hunter White,
NEW YORK. - Room 442 New York Life Bldg.

Subscription, Canada and the United States $2.00.
Great Britain and elsewhere - - 12s.

Published every Saturday.

Cable Address { Adscript, London. / Adscript, Canada.

WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

KILL THE BY-LAW.

ON Monday next the ratepayers of Toronto will vote on the by-law empowering the City Council to vote $133,500 for the purpose of erecting new buildings for the Industrial Exhibition.

It is well that the ratepayers should carefully consider the matter. Doubtless the Exhibition is a good thing for the "Queen City." Of late, however, we know that it has for some years been steadily deteriorating as an exhibition pure and simple, while it has been expanding as a variety show and a race track. As we have time and again pointed out, this policy has led to an antagonism of the manufacturing, dairying and mercantile interests of the country.

While some new buildings are undoubtedly needed (a main building, for instance), what is needed most, first of all, is a new policy. As the management have so far refused to recognize this, it is obvious a new management is necessary before a new policy can be secured.

The ratepayers over a year ago refused to concur in a by-law to raise money for erecting new buildings, because they had lost faith in the administration. As the same administration is still in existence the ratepayers of Toronto should deal with this by-law as they did with its predecessor.

IMPROVEMENT SOCIETIES.

In the United States, leaders in the work of village improvement have sought to interest the teachers alone in this scheme, but not only should this work interest the teacher, it should interest the business man as well.

In Danvers, Mass., a local improvement society with a membership of 150, most of whom are children, has been doing good work in the improvement of sidewalks, roads, and lawns; the removal of old buildings and fences; the planting and care of trees; the destroying of canker-worms and other insect pests; and other good things generally. By means of concerts, lectures, and contributions generally, the sum of $5,000 has been realized, with which a large park of 25 acres has been purchased. After the society has done its best at improving the park it will throw it open to the public.

It should not be impossible for business men in Canada to excite interest in their several communities on this most laudable movement.

VOTE FOR BUSINESS MEN.

ON Monday next the different municipalities in Ontario will be called upon to elect their representatives to the local governing bodies.

The opinion obtains among not a few that the quality of the representatives in our municipal councils has for some years been steadily deteriorating. It certainly has not been improving, for the ward heeler and not the practical business man is only too often the power that rules. If, however, the business men in the several municipalities were to be guided by the same principles as they are when selecting their own employes, the ward heeler and the professional politician would soon be a thing of the past.

The management of a municipality is as much a matter of business as the management of a purely commercial enterprise. And it is because so many electors do not realize this—or, at any rate, do not vote as if they did—that we have a deterioration in the quality of the men who sit in our council chambers as our representatives.

Like begets like. And if the business men of this country will exercise their power in the right direction it will only be a matter of time before our municipal institutions will become more businesslike in their character.

Work for business men. Vote for business men.

HOW A BANK CLOSED UP A BUSINESS.

WHEN some 20 months ago it was announced that The Copp Brothers Co., Limited, stove manufacturers, Hamilton, Ont., had been forced into liquidation a great deal of regret was expressed in many parts of Canada.

Those who then expressed regret will now, doubtless, find matter for gratification in the fact that the outgoing year of 1901 saw every creditor, direct or indirect, paid in full. But this is not all: in spite of the enormous sacrifices necessary in order to wind up the business so rapidly, a handsome surplus remains, and that without disposing of any of the company's property except the foundry, or without discounting customers' paper.

From the very fact that the affairs of the company have been so satisfactorily wound up, one is naturally led to examine the circumstances which brought about the liquidation.

As our readers are doubtless aware, the direct cause of the liquidation was the demand of the Merchants Bank for the immediate payment of the sum of $37,000 owing that concern. Why the bank should have made this peremptory demand is something we cannot understand.

As we have already intimated, the demand for a settlement of the liabilities to the bank was made early in 1900. The business of the Copp Company in 1899 was the largest in its history. And not only was its paper under discount of better quality than at any other period during 20 years, but it was reduced from over $44,000 in April, 1899, to less than $24,000 in 1900, while during that period the business of the company increased by over $15,000. It was true that the company was at the time a little hard up, because of a rather extra heavy stock on hand, but it must, we think, be obvious to most people that its financial condition was by no means unhealthy, particularly when we consider that the stove trade in Canada during the year or two previous to the demand of the bank being made was more than usually prosperous. Furthermore, the business of the company had been increasing in volume for some five or six years. And it has been estimated that, had it been allowed to continue in business, it would have closed 1900 with a profit of at least $20,000. This, in the face of the handsome surplus with which the liquidation proceedings have been concluded, certainly does not seem an exaggeration.

Another feature of the affair was that only four or five days previous to the demand for payment, which was to be satisfied by 3 p.m. of the day on which it was made, one of the members of the company was informed that the head office of the bank was agreeable to making the usual advance.

An effort was made to get accommodation from other banks, but, the action of the Merchants Bank having become known, it was, of course, abortive. Liquidation then followed.

That the action of the bank was a mistake is evident. If there was any doubt about the wisdom of it when the demand for payment was made on April 2, 1900, the result of the liquidation settles it beyond all peradventure. It was a grave mistake. And the Merchants Bank, no doubt, fully realizes it.

In the meantime, however, an old and honorable firm has been forced out of business, for which even the satisfactory winding up of its affairs is but poor compensation.

The old firm whose career was thus closed began business in 1848. In that year Messrs. Anthony and William J. Copp commenced a general stove and tin business in Hamilton, which was carried on successfully for a number of years. Nine years later, viz., in 1857, the brothers bought the old Vulcan Foundry of Woodstock and went into the manufacture of stoves, the business at Hamilton also being continued. The Woodstock Company was known as Copp, Finch & Co. The Woodstock business was successful but it was felt many advantages would be gained in consolidating all under one management. Consequently, in the year 1864, the foundry was moved to Hamilton, the first heat being taken off on August 5 of that year. At first the premises consisted only of a three-storeyed building and moulding shop; to this were added from time to time various additions. In 1891 the old firm was incorporated under the style of the Copp Brothers Co., Limited, with William J. Copp as president and Harold E. Copp as secretary-treasurer.

THE "WANT BOOK."

A correspondent writes that now would be a good time for retailers and general store keepers to commence using a want book in different departments of their stores. Some use them at present, but not in the right way. When a line of goods is getting low, the fact should be immediately noted in the want book.

If a customer asks you for something you have not got or never heard of, don't turn him away, but make an effort to secure the article and please him.

When a traveller calls on you and you have a few specials on your list, ask him if his firm makes the article called for, or where he can secure it.

Don't keep your want book for an ornament, but use it to full advantage. As you order the wants, score them off or mark who you order from, and also the date in the margin. This will save a lot of confusion and annoyance.

Have every clerk in the store and heads of departments use the order book. If any storekeeper has not used a want book, give it a trial and see for yourself the trouble you save your customers, clerks and the trade generally. Do it now.

RAW AND BOILED OIL DOWN 4C.

This week the prices of raw and boiled linseed oil for Ontario have been lowered to 77c. for the former and 80c. for the latter per gallon, a reduction of 4c. per gallon. Toronto, Hamilton and London prices are 2c. less.

Raw linseed is still firm, but in England there has lately been two kinds of oil placed on the market, an inferior and a better grade of Calcutta. The latter sells at a price equivalent to ours here, but the former threatens to come in and compete with ours on account of its cheapness. But the fact that oils have been very stagnant lately, little or no movement being noticeable, has had some weight with the paint and oil merchants. They therefore hope that by lowering the prices of oil their customers will be induced to place their orders early this season. In accordance with this they have marked prices down.

BUSINESS AND ITS MANAGEMENT

Some Ideas and Hints.

Relation of Profit and Loss Statement to Balance Sheet.

BY A. D. KITTREDGE.

THE profit and loss statement gives the results of the transactions of the business for a fiscal period, and must certainly precede the balance sheet in order to bring into it in a single amount that which represents the results of the business. You may call this item undivided profits, general loss and gain, or surplus, or it may be indicated by some other term. In any event, something in the balance sheet stands for the accretion of capital during the period passed. The profit and loss statement must always precede the balance sheet in order to put into the latter the quantity which it is necessary to have in order to state the condition which the balance sheet is to show. A correct balance sheet must show all the assets of the business, and likewise all the liabilities of the business, and from every point of view, capital, whether invested direct or being the accumulation in the way of profits, is an important part of the liabilities of the business. It is a necessary element to make the statement balance.

In order to produce a profit and loss statement, and after that to properly frame a balance sheet, there must be a proper classification of accounts or the sorting of accounts into classes. A moment's consideration will show that in each of those divisions of the accounts of a business, namely, the profit and loss statement and balance sheet, we can have two classes of accounts, and only two. The profit and loss statement can have nothing but expenses, including, of course, losses and revenues, or earning or income, whichever you may prefer to call it. In turn, the balance sheet can contain nothing but assets and liabilities.

If we begin to make out a balance sheet, particularly if we allow that plan which has been specified by various definitions already presented, namely, from the books of the business and upon the assumption that the books have been conducted along the usual lines, we encounter at once certain difficulties. We find certain accounts that are, in character, straddles. For example, there is the merchandise account, which is made to perform two functions. It is an asset account to the extent of the goods on hand and a revenue account to the extent of the profit that has followed from the trading. Again, we have a straddle in the way in which the account called interest and discount is commonly conducted. It includes both expenses and earnings.

If we are going to classify our accounts in such a way as to have them in most convenient form for a balance sheet, we must arrange them according to the requirements of these two main divisions. We must have in one class sufficient accounts to indicate all our assets, and in another sufficient accounts to indicate all our liabilities. There must be likewise sufficient accounts to indicate all our expenses, and also our income items or revenues, whatever the term may be that is applied to the class.

The merchandise account to which I have referred as an example of a straddle is certainly a greatly overworked account, when we take it as we find it in the ordinary business establishments into which the account is called.

The Expenditure Proportion in Business.

The proportion of expense to the total amount of business transacted in a year is often a stumbling block in the way of an assured profit, says Stoves and Hardware Reporter. In some cases the expense is made greater than the business will bear, and in others not a sufficient allowance is made for the moving of the business, with the result that extravagance on the one hand or a too careful saving on the other results in a loss which may be often past recovery. It has been figured out that on an average business of $10,000 to $12,000 a year, the expenses should not exceed 15 per cent., including the living expenses of the proprietor at $15 per week, and not allowing for clerical hire, but charging up insurance, rental and interest on the value of the stock, which represents, as an illustration, an investment of $3,000. To do a business of $12,000 on this investment requires that the capital should be turned over four times a year, which may be possible under exceptional conditions but is hardly so when there is but one man in the store to attend to it. The above illustration has been given as an actual fact, but an examination of the figures shows that there must have been an unusually hard amount of work to accomplish such a result, and also the exercise of a power of saving the pennies that might have been used to better advantage in looking after the dollars. It is a very difficult matter nowadays to make money without spending it in the effort, and while there is a waste in injudicious expenditure there is also a saving in the use of money in the right way for the bringing in of new business.



THE LATE REAL ANGERS,
Of Frothingham & Workman, whose death was announced last week.

Economy.

How a man uses money—makes it, saves it and spends it— is, perhaps, one of the best tests of practical wisdom, remarks Pickles. Although money ought by no means to be regarded as a chief end of man's life, neither is it a trifling matter, representing as it does to so large an extent, the means of physical comfort and social well-being. Some of the finest qualities of human nature are intimately related to the right use of money; such as generosity, honesty and justice as well as economy and providence.

The provident and careful man must necessarily be a thoughtful man, for he lives not only for the present but makes arrangements for the future. He must be a temperate man and exercise self-denial; a virtue that gives strength to character.

It is the duty of the prudent man to live so that in case of sickness or lack of employment he will suffer as little as possible. Viewed in this light, the honest earning and the frugal use of money are highly important. Though money represents many objects without real worth, it also represents many things of great value; food, clothing, personal self-respect and independence. Thus a store of savings secures a man a footing and enables him to wait, hopefully and cheerfully, until better days come round.

To secure independence the practice of simple economy is all that is necessary. Economy requires neither superior courage nor eminent virtue; it is satisfied with ordinary energy, and the capacity of average minds. Economy, at the bottom, is but the spirit of order applied to domestic affairs; it means management, prudence and the avoidance of waste. Economy teaches the lesson of carefulness. The small change that many throw away uselessly, or worse, would often form a basis of fortune and independence. In the words of our honored employer, "Make all you can honestly, spend all you can wisely and save all you can prudently."

J. B. Paquette, general merchant, Riviere a Pierre, Que., has had his stock sold at 61c. on the dollar to J. Lapointe, St. Charles, Bellechasse, Que.

THOS. DAVIDSON MFG. CO. ANNUAL "ROUND UP."

"BROKEN PROMISES."

Composed and Sung by H. J. Chalmers.

Into the private office of a factory president,
There strolled a lot of foremen, who from working hard were bent—
With shaky knees, with shattered nerves, and palpitating heart,
They listened to his little speech, which caused the tears to start;
He spoke of broken promises, and wanted to know why
They made so many of them, but to keep them did not try.
They straightened up their worn-out frames, and an endeavor made
To soothe his ruffled feelings, as in plaintive tones they said:

CHORUS.

"To promise is so easy,
But to keep one is so hard:
We quite forget about them
Though we write them on a card.
O' please forgive us this time
Though your feelings we have jarred,
To promise is so easy,
But to keep one is so hard."

"I've listened to your tale of woe, and surely you'll rejoice
To hear that I forgive you all through hearing Barratt's voice,
It makes me think of "Crescent Ware," the medals it has won,
And as the firm's record year has been nineteen ought one
I'll promise that a million I will give to each of you
If all your promises your keep in the year nineteen ought two."

That promise of a million
Seemed to strike them deaf and dumb,
It made them lose their senses
And their equilibrium:
Hello! "Up one two nine one,"
Dr. H. was called by phone.
To cure them was quite easy,
For at curing he's no drone.

To some he prescribed whiskey blanc, to others ginger ale,
And soon they were upon their feet, though looking very pale.
They held a "kickers' meeting," but decided not to kick,



Staff of the Thos. Davidson Manufacturing Co.

Their quaint appeal was made in such a quiet, pathetic way,
It gave the President a shock—he nearly swooned away,
And while the foremen looked for help to come from anywhere,
In walked Sir Francis Barratt, he of famous "Crescent Ware."
He'd heard the conversation that took place inside the room,
And with "Foxy Quiller" courage, prepared to meet his doom:
With tearful eyes and long-drawn sighs, he joined the motley throng,
And with his Steel Enamelled voice he sadly sung this song:

"To promise is so easy,
I assure you without jest
I very seldom break one,
I'm not half as bad's the rest.
Just make to us some promise
And then put us to the test,
But try and make it easy,
And you'll find we'll do our best."

'Tis true, that music hath the charms to soothe the savage breast,
For, rising up, the President, his foremen thus addressed:

But prayed that to his promise the kind President would stick.
"Oh! have no fear of that," quoth he, "what I say always goes,
In proof of which, I have no doubt, the office staff well knows."
And thus assured these foremen, from Departments A to Z,
Assumed an air of wealth and fame, and this is what they said:

"To promise is so easy,
But in twelve months' time, we vow
We'll promise to remind you
Of the promise you make now:
Just have those millions ready
And our jobs we will forsake—
Our promises in future
We like 'Crescent Ware' wont break."

Unequalled success attended the fifth annual dinner given by the directors of The Thos. Davidson Mfg. Co. to their travellers and heads of departments, on the evening of December 23, at Her Majesty's Cafe, Montreal.

One would imagine that the resources for unique features had been exhausted, but the 75 guests (an increase of 10 over last year) were pleasantly surprised by two decided "hits," the first being a presentation of a (planished tin) cup to Mr. H. B. Chadburn (Maritime Provinces) for being champion "kicker" of the "kickers'" party. In making the presentation, the president, Mr. Jas. Davidson, humorously stated that it was given as a mark of appreciation not only of the intrinsic value of his (Chadburn's) remarks, but the force with which they were delivered.

Replying, Mr. Chadburn said that, when taking into consideration the disappointed look of the fourteen other aspirants, he felt proud of his achievement.

The other "hit" was a song entitled "Broken Promises," composed and sung by H. J. Chalmers, eliciting hearty laughter and applause as the sly hits on some member of the staff were comprehended.

Mr. Jas. Davidson, in proposing the toast of "The King," spoke of past similar occasions, and said he was glad that these annual gatherings had come to stay and were conducive to a better understanding between employer and employe. Reviewing the year's business, he found that while 1900 had been exceptionally good, the first year of the twentieth century had shown a decided increase.

Mr. T. C. Davidson (vice-president), in a few well chosen remarks proposing the health of "Our Guests," dwelt upon the strides in development the business had had, and took the new faces as an indication of this, as the time-honored, familiar "old ones" were still with them.

Taylor Webb (British Columbia), responding, spoke of his trip to Manitoba and British Columbia and the opportunities that that country afforded to an organization thoroughly disciplined and equipped.

Dr. Haldimand, of The Thos. Davidson Mfg. Co. Mutual Benefit Society, added much to the enjoyment of the evening, rendering several songs in his charming tenor voice.

Mr. Edward Goodwill spoke feelingly of the "Knights of the Grip" and their great value to an organization such as theirs, that their training was of inestimable importance in enabling them to grasp the opportunities that the near future of this Canada of ours will afford. In welcoming Mr. Chas. S. Clarke (the firm's youngest traveller), he kindly alluded to Mr. Clarke's experiences in South Africa and said that men who could acquit themselves with honor in the battles for their country should also possess the

right material for battles in the commercial arena.

Mr. M. Lachapelle's song, "La Petite," touched his hearers in the right spot.

Mr. A. Bindlay, responding to the toast of "The Office Staff," caused considerable merriment by his lucid and graphic description of a young clerk's experience in "walking the carpet."

Mr. Chas. Watt, of Messrs. Blyth & Watt, Ottawa, an old traveller of the firm, wired regrets at being unable to attend, stating that he was too busy selling "Crescent" ware.

Mr. J. N. Young proposed Mr. Watt's health, and requested that a telegram be se sent Mr. Watt mentioning the enthusiasm with which his health had been honored.

Mr. Chas. P. Clarke excellently recited Dr. Drummond's "Le Vieux Temps," which was greatly appreciated, especially by the French guests.

The table was in the unique form of a horseshoe, an arrangement that facilitates the rendering of songs and speeches, and blending nicely with the general equipment of Her Majesty's Cafe. The invitation and menu cards were on tin, and were designed and lithographed at the firm's works; the cartoons portraying the travellers and heads of departments were cleverly executed, while the blending of colors was a harmonious indication of the state of perfection to which this industry has reached.

Messrs. J. N. and R. C. Warminton, Toronto, and Colin C. Brown, Rossland, traveller for the Kootenays, were the special guests of the evening.

The toasts, songs and recitations were given with that willingness and good-fellowship that has dominated previous gatherings of this kind and which augments greatly the harmony that exists between employer and employe, and the directors of The Thos. Davidson Co. may justly feel proud at the happy consummation of their hospitality.

SCOTT MCKERROW.

THE AUSTRALIAN TARIFF.

In the opinion of Dr. W. H. Montague, who has just returned from Australia, the new tariff levied by the new Commonwealth will greatly affect imports from Canada and the United States. He is very sanguine that a market would be found, however, for wheat, machinery, manufactured fabrics and other goods from this continent. This new high tariff is one of the great political questions in Australia, the other being colored labor.



SILVER ANNIVERSARY.

HARDWARE AND METAL is in receipt of a handsome sterling silver paper cutter from a well-known veteran hardware salesman, Mr. Walter Grose, of Montreal, as a memento of his twenty-fifth year selling hardware.

Mr. Grose has represented the well-known corporation, The Plume & Atwood Manufacturing Co., of Waterbury, Conn., brass and brass goods manufacturers, for a quarter of a century, and is considered by the trade an authority on this line of goods.

He has also taken an active interest in the manufacturing of locks and builders' hardware in Canada for the past 15 years. He was during a portion of this time connected with The Peterborough Lock Manufacturing Co., but for some years past has represented The Gurney-Tilden Co., of Hamilton, who are now engaged in the manufacture of an extensive line of locks and knobs in a great variety of finishes, in addition to their large stove business.

Mr. Grose was largely interested in The Globe File Manufacturing Co., Port Hope, for over 13 years, and was mainly instrumental in disposing of this industry recently to The Nicholson File Co., Providence, R.I., who are now the largest file manufacturers in the world. They have doubled the capacity of these works, and Port Hope now rejoices in having one of the most important industries in the Dominion. A large amount of money has been expended to make this one of the best equipped and most modern file manufactories on this continent, which will enable them to produce about 500 doz. files daily. Mr. Grose has been engaged by The Nicholson File Co. to sell the entire output of their Dominion works, and he has the best wishes of his many friends for his future prosperity.

TWO GOOD MEN.

Mr. Theo. Korb, whom we announced some weeks ago to be coming to Montreal to take charge of Lewis Bros.' advertising and catalogue department, has arrived in Montreal and taken over his new duties. Mr. Korb has been identified with W. B. Belknap & Co., of Louisville, Ken., is a hustler and is enthused with the importance of advertising in modern business.

Mr. C. M. Strange, who has represented Lewis Bros. on the road for seven years in different parts of Canada, has assumed his new position as warehouse manager, and is busy these days extending the glad hand to his many friends who are calling upon him. He is one of the best known men in the Canadian hardware trade.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

GURNEY & CO., general merchants, Acton, Ont., have assigned to R. J. McNabb.

M. Lefebvre, builder, Laprairie, Que., has assigned.

The estate of Joseph Heroux, contractor, Yamachie, Que., has assigned.

The Brampton Gas Co., Limited, has assigned to Robert Hiscocks, Brampton, Ont.

The creditors of M. Deslauriers & Co., contractors, Montreal, demand an assignment.

Jas. A. Bolesby, general merchant, Kintore, Ont., has assigned to Archibald McPherson.

The creditors of F. D. Peters, general merchant, Whitewater, Man., held a meeting recently.

The assignment of The National Iron Works, Limited, has been transferred to J. P. Langley, Toronto.

R. G. Gaucher, grocer and dry goods merchant, Huberdeau, Que., is offering 25c. on the dollar cash.

George D. D'Entremont, general merchant, Yarmouth, N.S., has assigned to the official assignee, and his creditors will meet on January 6.

PARTNERSHIPS FORMED AND DISSOLVED.

G. A. Corriveau & Frere, lumber merchants, D'Israeli, Que., have dissolved.

D. & G. Herrington, planing mill, etc., Unionville, Ont., have dissolved, and D. Herrington continues.

George C. Brown, general merchant, Port Maitland, N.S., has admitted as partners Harry R. Brown and George C. Curry.

Hyman Epstein and Philip Ein have registered as partners in a general store, at Louisburg, N.S., which they will conduct under the name of Epstein & Ein.

SALES MADE AND PENDING.

H. E. Boulaine's stock of general merchandise, Les Grandes Berferones, Que., has been sold.

The stock of A. R. Dionne & Co., general merchants, Mille Vaches, Que., has been sold at 47c. on the dollar.

The stock of A. M. Bechard, general merchant, Beauce Junction, Que., has been sold at 66½c. on the dollar.

CHANGES.

The Canadian Wringer Co., Toronto, has sold out.

McDonald & Rivest, electricians, Montreal, have registered.

Howard Pinnell, painter, Kamloops, B.C., is out of business.

Downham & Hastings, electricians, Montreal, have registered.

Bert. Fogarty has registered for Fogarty Bros., electricians, Montreal.

Mrs. E. St. Amour has registered for St. Amour & Cie., roofers, De Lorimer, Que.

The Durham Natural Gas and Oil Co., Limited, Durham, Ont., has obtained a charter.

The Canadian Steel and Wire Co., Limited, Hamilton, Ont., has obtained a charter.

Amsy Snider, blacksmith, Didsbury, N.W.T., has sold his business to George Jamieson.

A. A. Shrenk, agricultural implement agent, Clinton, Ont., has removed to Harriston.

Mrs. P. Denis has registered for Denis & Lemaire, general merchants, St. Cesaire, Que.

W. H. Bingham, hardware merchant, Grand View, N.W.T., is succeeded by Grant & Werdenhammer.

McPherson & Humpsherger, agricultural implement agents, Didsbury, N.W.T., have sold out to Christie & Johnston.

W. E. Smith is successor to the store business of W. E. Piggott, who conducts a general store and a flour and feed business at Kingston Station, N.S.

FIRES.

The sawmills of Emerie Cariere, St. Canute, Que., have been burned.

Alex. Sauriol, general merchant, Montebel'o, Que., was burned out. His stock was only partially insured.

The office of The Ottawa Electric Railway Co., Ottawa, was damaged by fire. The loss is covered by insurance.

DEATHS.

Peter F. McCullough, of S. B. McClurg & Co., stove and hardware merchants, Trenton, Ont., is dead.

GOING INTO LARGER PREMISES.

Lewis Bros., Montreal, expect to be moved into their additional premises at 26 and 28 St. Sulpice street, by February 1. B. & S. H. Thompson will by that time be settled in their large new warehouse at the corner of De Bresoles and St. Sulpice streets.

PAST AND FUTURE

THE PAST with us has been a prosperous and successful career of 31 years' standing. During the time we have developed a large business and perpetuated for our products a lasting reputation.

THE FUTURE will be an endeavor to surpass the achievements of past years, an endeavor to enlarge the scope of our influence, and to create additional favor for

Iver Johnson - Guns, Revolvers and Bicycles

Each in its class represents the highest attainment of mechanical precision and completeness. They are the kind that

Procure Public Patronage and Perpetuate Prosperity.

IVER JOHNSON'S ARMS & CYCLE WORKS,

New York Office— 99 Chambers Street.

FITCHBURG, MASS.

WE ARE THE LARGEST MAKERS OF

COILED SPRING WIRE

in Canada, our output being equal to the combined output of all other Canadian makers. Hence we can promise better service at no higher prices. You are safe in placing your orders with us.

THE FROST WIRE FENCE CO., Limited, - - WELLAND, ONT.

STANLEY RULE & LEVEL CO.,

NEW BRITAIN, CONN., U.S.A.

IMPROVED CARPENTERS' TOOLS

SOLD BY ALL HARDWARE DEALERS.



A Reputation for Delicious Dishes

makes an invitation to dinner doubly welcome. The dessert is very important. Nothing is more palatable in summer than delicious home-made ice creams and ices. The expense is only the cost of the materials, the labor not as great as in preparing a cake or pudding if you use a

Peerless Iceland Freezer

(One Motion)

Three minutes is the freezing time—an advantage any time, but fine for emergencies. Patented stationary dasher is responsible for quick freezing. Scrapers hug sides of can and do away with all motions except one. Write for booklet "Ice Cream Secrets" for those who know and those who don't. Gives many new recipes, as well as the good old stand-bys, all easy to make.

To Remove all Doubt: If you've never made ice cream at home, or if you have had enough experience with another freezer, get a Peerless Iceland from your dealer, take it home, and if not perfectly pleased, return it, and *dealer will refund your money.* If your dealer hasn't it, he can get it; or write us and we will see that you are supplied. Be sure and get a ***Peerless Iceland.*** Easily recognized from above photograph; notice label.

DANA & CO., Dept A, Cincinnati, Ohio.

The Peerless Ice Chipper chips the ice properly, saves ice, saves time, saves your temper.

This Ad. is one of a series that will appear in all the leading magazines and ladies' papers this Spring and Summer. Do you think it big enough to be seen? All of your women customers take one or more of these publications. Don't you want to have your store identified with the very best advertising? Order Peerless Iceland Freezers and Peerless Ice Chippers from your jobber early so that he can put you in touch with our advertising department. If yours doesn't handle them, see one who does, or write us and we will see that you are supplied.

New York: 10 Warren St. **DANA & CO., Cincinnati.** San Francisco: 105 Front St.

THE GROWTH OF A BUSINESS.

IN 1871, F. Wesson and Gilbert H. Harrington started at 18 Manchester street, Worcester, Mass., in a very small way to manufacture one style of a single-action revolver fitted with a shell-ejecting device invented and patented by Mr. Harrington. It is believed to have been the first successful device applied to revolvers for ejecting empty shells without removing the cylinder. Mr. Wesson's interest was bought out in 1874 by Mr. Harrington, who shortly afterwards formed a partnership with William A. Richardson under the firm name of Harrington & Richardson. The business was rapidly growing, and in 1876 it became necessary to move to more commodious quarters at 31 Hermon street. Four years later the firm became sole licensees to manufacture in the United States double-barrel hammerless shotguns under the famous Anson & Deeley patents. These guns ranged in price from $85 to $300, and, during the five years they were manufactured, won an enviable reputation for durability, simplicity, accuracy and finish.

In 1888, the business was incorporated as The Harrington & Richardson Arms Co., since which time it has had a steady and healthy growth, due to the fact that the H. & R. revolvers are made with the same precision and accuracy in every part that would be required in constructing a fine watch, and hence have achieved a reputation that is the envy of all firearms manufacturers. It is a business built up on honor, and each revolver or gun manufactured by the company is made with the same care and the same regard to absolute safety as though the entire reputation of the company was at stake on each one. In 1893, the erection of the present main four-storey and basement factory building, at the corner of Park avenue, Chandler and Abbott streets, was begun, and it was completed in the spring of the following year. It covered an area of 50 x 180 ft., affording accommodation for the 250 men employed. A two-storey and basement addition, 50 x 60 ft., was built in 1900, and another addition, 50 x 90 ft. in area and four storeys and basement in height, has just been completed. The present number of employes is over 500. Their catalogue now shows 157 separate and distinct revolvers, besides automatic and non-ejecting single guns in two gauges, with both steel and twist barrels. About January 1 they will also be able to supply these guns in 20 gauge. They manufacture what is without doubt the most complete line of firearms on the market, and the great demand for their revolvers and guns is proof of it.

PERSONAL MENTION.

Mr. M. F. Derby, general merchant, Selkirk, Ont., was in Toronto this week. He reports an immense Christmas trade, and trade in general is very good in his district.

Mr. F. G. Karstedt, hardware merchant, Flesherton, Ont., was in Toronto last week on business, and called on HARDWARE AND METAL. He reported business booming in his town.

Mr. Chas. F. Smallpeice, who for 15 years has been connected with the wholesale department of Rice Lewis & Son, Limited, hardware merchants, Toronto, has severed his connection with that firm to accept a position with the wholesale hardware firm of Lewis Bros. & Co., Montreal. Mr. Smallpeice will contine to travel over his old territory in Northern and Northwestern Ontario.

TO MAKE SULPHURIC ACID.

The extensive and valuable pyrites ore areas at Rowsell's Harbor, Labrador, that were owned by Joseph Ripey, of St. John's, Nfld., and others, have been secured by The Dominion Iron and Steel Co., who will immediately send a force of men and mining apparatus to work these deposits. The company will manufacture sulphuric acid on a large scale.

IS RAPIDLY PROGRESSING.

The Cape Breton Extension Railway is rapidly proceeding towards completion, and two thirds of the track between the Strait of Canso and St. Peter's has already been graded. Five miles of rails are also laid, while the smaller structural works, such as culverts, have been finished above the above two points. Two gangs of men are now engaged on the route. Another is starting out immediately under the direction of James Purvis.

OPENED WITH AN "AT-HOME."

On the evening of December 28, the new factory of The Petrie-Taylor Magnet Cream Separator Co., Guelph, Ont., was formally opened by an enjoyable At Home. Over 300 guests were present, when a delightful musical programme was rendered and many speeches were made. Light refreshments were served and dancing was indulged in till the early hours of the morning.

INDUSTRIAL GOSSIP.

Those having any items of news suitable for this column will confer a favor by forwarding them to this office addressed to the Editor.

The Ottawa Car Co., Ottawa, has just completed a pontoon bridge for the War Office, which is for use in South Africa.

The Carbon Creek Lumber Co., Michel, B.C., has just placed in working order a new 80 horse-power boiler obtained from The James Cooper Manufacturing Co., Rossland, B.C. The latter firm has also delivered a 25 horse-power boiler to The Crow's Nest Coal Co., Fernie, B.C.

A large refinery is being erected at the Black Diamond graphite mine, Brougham township, Renfrew county, Ont., from which the large block of graphite that formed the foundation for the statue in the Ontario exhibit at the Pan-American was procured. The mill, which is to have a capacity of 40 tons per day, will be in operation inside of a couple of months.

SYDNEY AND THE FAST LINE.

The Sydney, C.B., Board of Trade is making a vigorous campaign in favor of making that port a calling place, if not a terminus of the new fast Atlantic line. It has sent George Dobson to Ottawa, where he is interviewing members of the Government, inducing them to take hold of this project, and collecting data from the officials bearing on this fast line project.

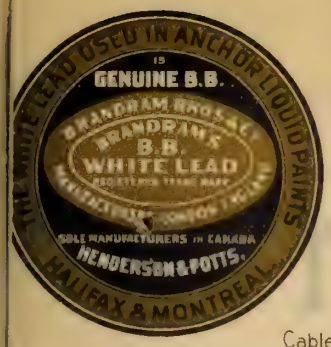
POSTAL SERVICE REFORMS.

Many improvements are being made in the postal service of Newfoundland. Wm. Smith, secretary of the Dominion Post Office Department, has been in that colony for some time on the invitation of the local Government perfecting the money order service. Hitherto, a delay of one or two weeks had been necessary outside of St. John's before the payment of Canadian and foreign money orders, but under the new system there will be no further delay than exists in Canada. The system of accounts has also been changed.

WIRE NAILS
TACKS
WIRE

Prompt Shipments

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.



TRADE MARK

Henderson & Potts.

NOVA SCOTIA PAINT & VARNISH WORKS.
HALIFAX AND MONTREAL
by arrangement with **BRANDRAM BROS. & CO.**, London, England.
SOLE MANUFACTURERS IN CANADA
OF THEIR REGISTERED BRANDS OF WHITE LEAD, ZINC & COLORED PAINTS.



Cable Address: "HENDERSON"
A.B.C. Code.

Halifax and Montreal, January 2nd, 1902.

BRANDRAM'S B.B. GENUINE WHITE LEAD
IN ANCHOR LIQUID HOUSE PAINTS.

Dear Sir:—

The much increased demand for liquid paints during the past few years clearly shows that the tendency of the day is towards a more general use of ready mixed paints for house painting.

We have made and sold ANCHOR BRAND LIQUID PAINTS for a quarter of century, and they have always met with the commendation of our customers, but we are constantly studying how they can be improved, and have lately come to the conclusion that the one improvement desirable is the use of BRANDRAM'S B.B. GENUINE WHITE LEAD in their manufacture, and have just completed arrangements with Messrs. Brandram Bros. & Co. to use their lead for this purpose.

The merits of B.B. GENUINE WHITE LEAD have long been known. It is, without question the best White Lead made, being unequalled for Whiteness, Fineness and Body, and will cover more surface than any other White Lead Paint.

The introduction of this Lead into ANCHOR LIQUID PAINTS means the making of a ready mixed paint that is as far in advance of other liquid paints as B.B. GENUINE WHITE LEAD is superior to all other White Leads.

We anticipate that this will make a largely increased demand for ANCHOR LIQUID PAINT and we wish you to co-operate with us in pushing the sale of it.

Our advertising matter will be attractive and supplied liberally, and if you do not handle ANCHOR LIQUID PAINT, you should at once apply for the exclusive agency in your town and district. Please write for general information as to price, terms, etc., and state what territory you desire.

From this date ANCHOR LIQUID PAINTS will have a top label on the cans, like the one shown above, our guarantee of the highest quality of Liquid Paint obtainable.

Yours truly,

HENDERSON & POTTS.

ESTABLISHED 1874.

HENDERSON & POTTS

Halifax and Montreal.

"ANCHOR" WHITE LEAD AND ZINC PAINT

"ANCHOR" COLORED PAINTS IN OIL

"ANCHOR" LIQUID HOUSE PAINTS

"ANCHOR" FLOOR AND ROOFING PAINTS

"ANCHOR" VARNISHES FOR ALL PURPOSES

"ANCHOR" LACQUERS, BLUE AND GOLD FOR CANNERS

"ANCHOR" JAPAN AND DRYERS

"ANCHOR" CARRIAGE GLOSS PAINTS

"ANCHOR" PURE COLORS IN OIL

"ANCHOR" SUPERFINE COLORS IN JAPAN

"ANCHOR" MARBLEINE WALL TINTS

"ANCHOR" STRAW HAT ENAMEL

ETC., ETC., ETC.

ANCHOR BRAND H&P REGISTERED

TRADE MARK

Sole Manufacturers in Canada of

BRANDRAM BROS. & CO. BRANDRAM'S B.B. WHITE LEAD REGISTERED TRADE MARK MANUFACTURERS. LONDON. ENGLAND

BRANDRAM BROS. & CO'S

LONDON, ENGLAND

B. B.

GENUINE WHITE LEAD.

Brandram's Genuine B. B. is the BEST WHITE LEAD MADE.

It is unequalled for whiteness, fineness and durability, and will cover more surface than any other White Lead Paint.

Our prices for Brandram's White Leads for 1902 will be lower than ever before.

SEND FOR QUOTATIONS.

John Bowman

HARDWARE & COAL CO.

LONDON, ONT.

SKATES SKATES SKATES

We have a large stock of SKATES to dispose of and will fill all orders promptly at closest prices.

Cutlery Cutlery Cutlery

Special Lines Special Prices

English and German Table and Pocket Cutlery, Cases, Carvers, Razors, Scissors, Pen and Pocket and Table Cutlery in great variety.

Special Prices.

HERE WE ARE AGAIN!

We are pleased to again be in a position to offer the trade:

BARB WIRE
PLAIN TWIST FENCING
and GALVANIZED WIRE

of our own make — ESTABLISHED 1880 INCORPORATED 1893 DOMINION TRADE MARK — of our own make

Ask for "Dominion" Goods.

and we solicit your favors.
Other well-known lines we have to offer are:

Steel, Brass and Copper Wire,
WIRE NAILS, STAPLES,
Wood Screws, Jack Chain, Bright Wire Goods, Door Pulls, Cotter Pins, Coat and Hat Hooks.

DOMINION WIRE MFG. CO.
Montreal Limited Toronto

Montreal, January 1st, 1902.

To Our Many Customers:

We desire to express our heartiest appreciation for their liberal patronage of the past year, and extend best wishes to one and all for a Happy and Prosperous New Year.

THE THOS. DAVIDSON MFG. CO.,
LIMITED

MONTREAL, CANADA.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

Montreal, January 3, 1902.

HARDWARE.

NATURALLY business has been seriously interrupted by the holiday and there is not much activity in any line. Most of the houses are busy getting travellers' samples ready for the first trips of the year. There is little new to report in prices. Wire nails are a subject of contention just now and a general price is conceded to be $2.60 to $2.65. There is but little business doing. The manufacturers' associations meet here next week. On account of easy primary markets, pig tin and copper show material declines.

BARB WIRE.—There has been little doing in wire this week. The price is still $3 per 100 lb. f.o.b. Montreal.

GALVANIZED WIRE.—Little attention has been given to galvanized wire this week and there is nothing fresh to report. We quote as follows : Nos. 6, 7 and 8 gauge, $3.45 ; No. 9, $2.80 ; No. 10, $3.55 ; No. 11, $3.65 ; No. 12, $2.95 ; No. 13, $3.05 ; No. 14, $4.05 ; No. 15, $4.55 ; No. 16, $4.80 ; No. 17, $5.20 ; No. 18, $5.45.

SMOOTH STEEL WIRE — Featureless. We quote oiled and annealed as follows : No. 9, $2.80 ; No. 10, $2.87; No. 11, $2.90 ; No. 12, $2.95 ; No. 13, $3.15 per 100 lb. f.o.b. Montreal, Toronto, Hamilton, London, St. John and Halifax.

FINE STEEL WIRE — There is but little doing. The discount is 17½ per cent.

BRASS AND COPPER WIRE — The demand is of a holiday nature. The discount on both copper and brass wire is 55 and 2½ per cent.

FENCE STAPLES — There is virtually nothing doing. We quote $3.25 for bright and $3.75 for galvanized per keg of 100 lb.

WIRE NAILS — Although prices are nominally unchanged, few transactions are occurring at these figures. The bulk of business is passing at $2.60 per keg and even lower figures are mentioned. Developments are expected next week. We quote as follows : $2.85 for small lots and $2.77½ for carlots f.o.b. Montreal, London, Toronto, Hamilton and Gananoque.

CUT NAILS — There is an ordinary demand at steady prices. We quote: $2.55 per keg for small and $2.45 for carlots ; flour barrel nails, 25 per cent. discount ; coopers' nails, 30 per cent. discount.

HORSE NAILS — Shipments are light this week. "C" brand is sold at a discount of 50 and 7½ per cent. off the new list. "M" brand is quoted at 60 per cent. off old list on oval and city head and 66 2-3 per cent. off countersunk head.

HORSESHOES — The volume of business that is being done is not large this week. We quote as follows : Iron shoes, light and medium pattern, No. 2 and larger, $3.50 ; No. 1 and smaller, $3.75 ; snow shoes, No. 2 and larger, $3.75 ; No. 1 and smaller, $4 ; X L steel shoes, all sizes, 1 to 5, No. 2 and larger, $3.60 ; No. 1 and smaller, $3.85 ; feather-weight, all sizes, $4.85 ; toe weight, steel shoes, all sizes, $5.95 f.o.b. Montreal ; f.o.b. Hamilton, London and Guelph, 10c. extra.

SCREWS — A sorting trade is being done at unchanged prices. The discounts are as follows : Flat head bright, 87½ and 10 per cent. off list ; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.

BOLTS — Fair movements are reported for the week. Discounts are : Norway carriage bolts, 60 and 5 per cent. ; common, 55 and 5 per cent.; full square carriage bolts, 60 and 5 per cent.; machine bolts, 55 and 5 per cent. ; coach screws, 70 per cent. ; sleigh shoe bolts, 70 per cent. ; blank bolts, 60 per cent. ; bolt ends, 60 per cent. ; plough bolts, 55

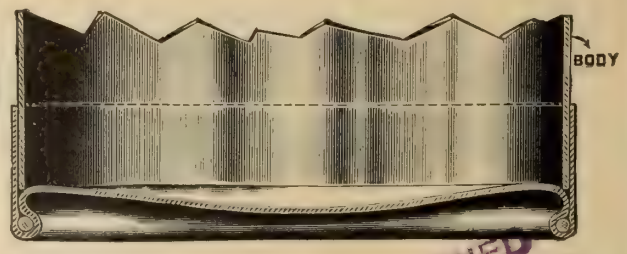
"Samson" Milk Cans and Trimmings



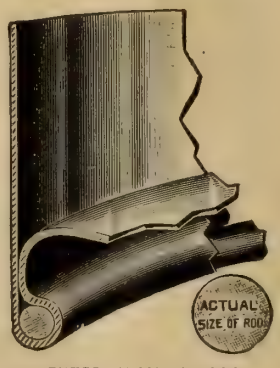
PATENTED, JULY 23, 1900

"Samson" Railroad or Delivery Cans and Trimmings.

"Samson" Dairy Pail Bottoms.



Section of "Samson" Milk Can Bottom.



PATENTED, JULY 23, 1900

RETURNED JUL 10 1902

The "Samson" is the strongest and **ONLY ONE-PIECE** bottom made.
Has no place for dirt or sour milk to lodge—therefore the only sanitary bottom made.
Every bottom in each size is of an exact diameter. Being stamped with a die there can be **NO** variation, as in a bottom made in several pieces.
"Samson" Railroad or Delivery Cans and Trimmings are always furnished with Seamless Neck, and Seamless or Bell Cover, which, combined with the "Samson" Bottom, makes this unquestionably the best Railroad or Delivery Can ever placed on the Canadian market.
The "Samson" Dairy Pail Bottom is made the same as the "Samson" Milk Can Bottom, and therefore has all its good features.

A complete stock of Tinned Sheet Iron in all gauges and sizes always kept on hand.

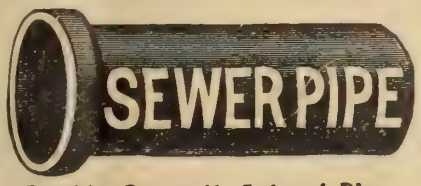
The McClary Manufacturing Co.,

LONDON, TORONTO, MONTREAL, WINNIPEG, VANCOUVER, AND ST. JOHN, N.B.

"Everything for the Tinshop."

THE PAGE-HERSEY IRON & TUBE CO.
Limited
MONTREAL
Manufacturers of
Wrought Iron Pipe
For Water, Gas, Steam, Oil, Ammonia and Machinery.

DRAIN PIPES, PORTLAND CEMENTS, FIRE BRICKS AND CLAY SILICA AND MAGNESIA BRICKS,
with specially prepared mortar.
Contractors' and Founders' Supplies.
F. HYDE & CO.
31 WELLINGTON ST., MONTREAL

. . FULL STOCK . .
Salt Glazed Vitrified


Double Strength Culvert Pipe a Specialty.
THE CANADIAN SEWER PIPE CO.
HAMILTON, ONT. TORONTO, ONT.
ST. JOHNS, QUE.

Deseronto Iron Co.
LIMITED
DESERONTO, ONT.
Manufacturers of
Charcoal Pig Iron
BRAND "DESERONTO."
Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

and 5 per cent.; tire bolts, 67½ per cent.; stove bolts, 67½ per cent. To any retailer an extra discount of 5 per cent. is allowed. Nuts, square, 3¾c. per lb. off list; hexagon nuts, 4c. per lb. off list. To all retailers an extra discount of ¼c. per lb. is allowed.

BUILDING PAPER — As yet there has not been much business done for spring, but a good trade is looked for next week. We quote as follows: Tarred felt, $1.70 per 100 lb.; 2-ply, ready roofing, 85c. per roll; 3-ply, $1.10 per roll; carpet felt, $2.25 per 100 lb.; dry sheathing, 35c. per roll; tar sheathing, 45c. per roll; dry fibre, 55c. per roll; tarred fibre, 65c. per roll; O.K. and I.X.L., 70c. per roll; heavy straw sheathing, $30 per ton; slaters' felt, 60c. per roll.

RIVETS AND BURRS — There is a fairly good trade doing. Discounts are: Best iron rivets, section, carriage, and wagon box, black rivets, tinned do., coopers' rivets and tinned swedes rivets, 60 and 10 per cent.; swedes iron burrs are quoted at 55 per cent. off; copper rivets, 35 and 5 per cent. off, and coppered iron rivets and burrs, in 5-lb. carton boxes, are quoted at 60 and 10 per cent. off list.

CORDAGE — The market is firm but rather inactive at the moment. We quote as follows: Manila, 15½c.; British Manila at 13½c.; sisal, 12c. and lathyarn at 10½c. Manitoba prices are: Manila, 16c.; British Manila, 14½c.; sisal, 13c. and lathyarn, 12c.

SCREEN CLOTH — Business is quiet this week. The ruling price is $1.25 per 100 square feet.

POULTRY NETTING — A fair trade for spring is still reported. English or Canadian is quoted at a discount of 60 per cent. off 2 x 2 mesh, 19 wire, and 55 per cent. off 2 x 2 mesh heavier, Canadian list.

HARVEST TOOLS — Values are steady at a discount of 70 per cent.

FIREBRICKS — Business is quite active ex-store. We quote: Scotch at $19 to $23.50 and English at $18.50 to $22.50 per 1,000.

CEMENT — Trade now is very quiet. We quote: German cement, $2.30 to $2.40; English, $2.25 to $2.35; Belgian, $1.70 to $1.95 per bbl. ex-wharf, and American, $2.20 to $2.30 ex-cars.

METALS.

The feature of the metal market is the drop in the price of copper and tin. Pig lead is also somewhat weaker.

PIG IRON — Prices are steady with a fair amount of business being done in contracts for the coming season. Prices are steady at $21 to $21.50 for Summerlee and $18.50 to $19 for Canadian.

BAR IRON — The demand is fairly well maintained for the holiday week. Merchants' bar is worth $1.87½ in carlots and $1.95 in smaller quantities. Horseshoe is worth $2.15 to $2.20.

BLACK SHEETS — A good number of small orders are again reported this week. We quote as follows: 28 gauge, $2.65; 26 gauge, $2.60; 20 to 24 gauge, $2.50, and 8 to 20 gauge, $2.50.

GALVANIZED IRON — Business is as usual. We quote as follows: No. 28, Queen's Head, $4.40; Apollo, 10¾ oz. $4.40; Comet, $4.25 with 10c. extra in less than case lots.

INGOT COPPER — The market is 2c. lower this week, dealers asking 14½c.

Sanderson's TOOL STEEL
Unequalled for Quality.
Large Assortment in Stock.
A. C. LESLIE & CO.
CANADIAN AGENTS MONTREAL.


IRON AND BRASS
Pumps
Force, Lift and Cistern Hand and Power.
For all duties. We can supply your wants with —quality the best and prices right. Catalogues and full information for a request.
THE R. McDOUGALL CO., Limited
Manufacturers, Galt, Canada.

ADAM HOPE & CO.
Hamilton, Ont.
We offer for prompt shipment
Pig Tin,
L. & F. and STRAITS.
Ingot Copper, O.C.
Pig Lead.
Spelter.
Antimony.

NOVA SCOTIA STEEL CO.
Limited
NEW GLASGOW, N.S.
Manufacturers of
Ferrona Pig Iron
And SIEMENS MARTIN
Open Hearth Steel



Fac-Simile Elastilite Tin.

Elastilite Varnish is popular down by the Sea.

ELASTILITE is doing what no other Varnish has ever done in the MARITIME PROVINCES, acknowledged to be the hardest climate in Canada on Varnish.

It is DEFYING the Salt Air and the HOT SUN by day and DAMPNESS by night peculiar to that part of Canada.

ELASTILITE has pleased EASTERN MERCHANTS because it has SATISFIED their customers.

EASTERN PAINTERS are delighted with it because they say WITH ELASTILITE IT IS EASY TO DO GOOD WORK, and it REMAINS GOOD for a REMARABLE LENGTH OF TIME.

ELASTILITE is as durable as the best Foreign or Domestic Outside Wearing Coach Body Varnishes and is only half the price of either.

Having stood the Atlantic Coast it is good enough for any country. Write for particulars and names of some merchants as references in your own district handling it.

ELASTILITE IS ALL OVER CANADA.
IN TINS ONLY WITH OUR BRASS SEAL.

Manufactured only by

The Imperial Varnish & Color Co. LIMITED

TORONTO, ONT., CANADA

DRY COLORS

TURPENTINE



Varnishes

JAPANS

LINSEED OILS

WHITE LEAD

THE FRANCIS-FROST CO. Limited

TORONTO.

Canadian Distributing Agents for Grippin's Crack Filler.

INGOT TIN — For Straits, 27c. is a market price. There is but little doing.

PIG LEAD — The market is slightly lower and business is being done at $3.15 to $3.20.

LEAD PIPE — There is no change to report. We quote 7c. for ordinary and 7½c. for composition waste, with 30 per cent. off.

IRON PIPE — Shipments have been fairly heavy this week. The market is firm. We quote as follows: Black pipe, ¼, $3.00 per 100 feet; ⅜, $2.95; ½, $3.10; ¾, $3.45; 1-inch, $5; 1¼, $7.10; 1½, $8.50; 2-inch, $11.35. Galvanized, ¼, $4.40; ⅜, $5; 1-inch, $7.15; 1¼, $10; 1½ $12; 2-inch, $15.95.

TINPLATES — Business is not active and prices are not changed. Cokes are worth $3.75 to $4 and charcoals $4.25 to $4.50.

CANADA PLATE — There is nothing new to report this week. We quote as follows: 52's, $2.65 to $2.70; 60's, $2.75 to $2.80; 75's, $2.80 to $2.85; full polished, $3.75 and galvanized, $4.25 to $4.35.

STEEL — The market is firm with sleigh shoe selling in rather large quantities. We quote: Sleigh shoe, $2.05; tire, $2.15; bar, $2; spring, $2.75; machinery, $2.75, and toecalk, $2.60.

SHEET STEEL — We quote: Nos. 10 to 20, $2.50; 3-16, $2.50; ¼, 5-16 and ⅜, $2.40.

TOOL STEEL — Black Diamond, 8c. and Jessop's, 13c.

TERNE PLATES — There is a fair inquiry for terne plates. We quote $7.75 to $8.00.

COIL CHAIN — Probably an improvement is to be noted in the demand this week. We quote as follows: No. 6, 12½c.; No. 5, 10½c.; No. 4, 10c.; No. 3, 9½c.; ¼-in., 7¼c. per lb.; 5-16, $4.80; 5-16 exact, $5.25; ⅜, $4.25; 7-16, $4.05; ½, $3.85; 9-16, $3.75; ⅝, $3.55; ¾, $3.50; ⅞, $3.45; 1-in., $3.45. In carload lots an allowance of 10c. is made.

SHEET ZINC — Is selling at $5.75 to $6.25.

ANTIMONY—Quiet at 10c.

ZINC SPELTER—Steady at 5c.

SOLDER—We quote: Bar solder, 18c.; wire solder, 20c.

GLASS.

The winter trade is not very brisk. We quote as follows: First break, 50 feet, $2.10; second, $2.20 for 50 feet; first break, 100 feet, $4; second break, $4.20; third break, $4.70, and fourth break, $4.95.

PAINTS AND OILS.

The feature of the market this week is a drop of 4c. per gallon in the price of linseed oil. This is in sympathy with the decline on early delivery which we have noted for some time. Otherwise trade is without any feature this week. We quote:

WHITE LEAD—Best brands, Government standard, $6; No. 1, $5.62½; No. 2, $5.25; No. 3, $4.87½, and No. 4, $4.50 all f.o.b. Montreal. Terms, 3 per cent. cash or four months.

DRY WHITE LEAD—$5.25 in casks; kegs, $5.50.

DRY WHITE ZINC — Pure dry, 6¼c.; No. 1, 5¼c.; in oil, pure, 7¼c.; No. 1, 6¼c.; No. 2, 5¼c.

PUTTY — We quote: Bulk, in bbls., $1.90 per 100 lb.; bulk, in less quantity, $2.05; bladders, in bbls., $2.25; bladders, in 100 or 200 lb. kegs or boxes, $2.40; in tins, $2.55 to $2.65; in less than 100-lb. lots, $3 f.o.b. Montreal, Ottawa, Toronto, Hamilton, London and Guelph. Maritime Provinces, 10c. higher, f.o.b. St. John and Halifax.

ORANGE MINERAL—Casks, 7c.; 100 lb. kegs, 7¼c.; smaller quantities, 8¼c.

RED LEAD — Genuine red lead in casks, $4.50; in 100-lb. kegs, $4.75; less quantities, $5.75 per 100 lb. No. 1 red lead, casks, $4.25; kegs, $4.50, and smaller quantities, $5.50.

LITHARGE—Ground, casks, 5c.; less, 5½c.; flake litharge, casks, $5.25; smalls, $5.75 per 100 lb.

LINSEED OIL—Raw, 75c.; boiled, 78c. in 5 to 9 bbls., 1c. less, 10 to 20 bbl. lots open, net cash, plus 2c. for four months. Delivered anywhere in Ontario between Montreal and Oshawa at 2c. per gal. advance and freight allowed.

TURPENTINE—Single bbls., 58c.; 2 to 4 bbls., 57c.; 5 bbls. and over, open terms, the same terms as linseed oil.

SHELLAC VARNISH — Pure white, $2.35 to $2.45; orange, $2.25 to $2.35.

MIXED PAINTS—$1.20 to $1.45 per gal.

CASTOR OIL—8¾ to 9¼c. in wholesale lots, and ½c. additional for small lots.

SEAL OIL—47½ to 49c.

COD OIL—32½ to 35c.

PARIS GREEN — Petroleum barrels, 16¾c. per lb.; arsenic kegs, 17c.; 50 and 100-lb. drums, 17½c.; 25-lb. drums, 18c.; 1-lb. packages, 18½c.; ½-lb. packages, 20½c.; 1-lb. tins, 19½c.; ½-lb. tins, 21½c. f.o.b. Montreal. Terms: 3 per cent. 30

days, or four months from date of delivery.

SCRAP METALS.

The price of copper is easy. Trade is rather quiet on the whole. Heavy copper and wire, 13½ to 14c. per lb.; light copper, 12 to 12½c.; heavy brass, 12 to 12½c.; heavy yellow, 9½c.; light brass, 6½c.; lead, 2⅝ to 2⅝c. per lb.; zinc, 2 to 2¼c.; iron, No. 1, wrought, $10 light brass, 6½c.; lead, 2½ to 2⅝c. per lb.; zinc, 2 to 2¼c.; iron, No. 1, wrought, $10 to $15 per gross ton f.o.b. Montreal; stove plate, $8 to $9; machinery scrap, $14; light iron, No. 2, $5 a ton; malleable and steel, $4; rags, country, 60 to 70c. per 100 lb.; old rubbers, 7 to 7¼c. per lb.

HIDES.

There has been no change in the hide market since our last report, business being confined to limited sales for immediate requirements. No. 1 hides are worth 7½c., No. 2, 6½c., No. 3, 5½c. Sheepskins are bringing 60c.

MARKET NOTES.

Sheepskins are 5c. higher.

Linseed oil is 1c. per gallon lower.

Wire nails are selling at a discount.

ONTARIO MARKETS.

Toronto, January 3, 1902.

HARDWARE.

WITH the travellers in the houses and stock-taking on the boards, a somewhat quiet and uneventful trade is all that can be expected. Quite a few letter orders for sorting up parcels have come to hand, but business through that medium naturally does not make up for what the travellers bring. A few changes have taken place in prices. The most important are advances in Stanley Rule and Level Company's products and in Champion scales. The different manufacturers' associations meet in Montreal next week. It is expected some changes will be made in prices, particularly in wire nails. Staple products of all kinds are seasonably quiet, but a week or two hence, will, of course, see trade again in a normal condition.

BARB WIRE. Business is still practically nil. The market is firmer in the United States. We quote as follows: f.o.b. Cleveland, $2.77½ for less than carlots and $2.65 for carlots. From stock, Toronto, $5.

GALVANIZED WIRE.—Prices are firmer in the United States. Here, trade is quiet and prices unchanged. We quote: Nos. 6, 7 and 8, $3.50 to $3.85 per 100 lb., according to quantity; No. 9, $2.85 to $3.15; No. 10, $3.60 to $3.95; No. 11, $3.70 to $4.10; No. 12, $3 to $3.30; No. 13, $3.10 to $3.40; No. 14, $4.10 to $4.50; No. 15, $4.60 to $5.50; No. 16, $4.85 to $5.35. Nos. 6 to 9 base f.o.b. Cleveland are quoted at $2.52½ in less than carlots and 12c. less for carlots of 15 tons.

SMOOTH STEEL WIRE.—Trade is quiet and featureless. We quote the net selling prices as follows: Nos. 6 to 8, $2.90; 9, $2.80; 10, $2.87; 11, $2.90; 12, $2.95; 13, $3.15; 14, $3.37; 15, $3.50; 16, $3.65. Delivery points, Toronto, Hamilton, London and Montreal, with freights equalized on those points.

WIRE NAILS.—The manufacturers meet in Montreal next week, and there are some who look for a reduction in prices. The Iron Trade Review of this week says that there has been a notable stiffening in the price of wire nails in the States in sympathy with the advancing rod market. Base price is unchanged at $2.85 for less than carlots, and $2.77½ for carlots. Delivery points, Toronto, Hamilton, London, Gananoque and Montreal.

CUT NAILS.—Still dull. The base price is $2.55 per keg with 10c. allowance on carlots.

HORSE NAILS.—Very little doing. Discounts are as follows: "C" brand, oval, head, 50 and 7½ per cent. off new list, and on "M" and other brands, 50, 10 and 5 per cent. off the old list. Countersunk head 60 per cent.

HORSESHOES.—Demand is still light. We quote f.o.b. Toronto as follows: Iron shoes, No. 2 and larger, light, medium and heavy, $3.60; snow shoes, $3.85; light steel shoes, $3.70; featherweight (all sizes), $4.95; iron shoes, No. (all sizes), $3.85; snow shoes, $4; light steel shoes, $3.95; featherweight (all sizes), $4.95.

SCREWS.—A moderate trade is being done for this time of the year. The discounts are as follows: Flat head bright, 87½ and 10 per cent.; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.; round head bronze, 65 per cent., and flat head bronze at 70 per cent.

RIVETS AND BURRS.—There is a moderate demand. We quote: Iron rivets, 60 and 10 per cent.; iron burrs, 55 per cent.; copper rivets and burrs, 25 and 5 per cent.

BOLTS AND NUTS.—Trade is keeping up fairly well for this time of the year. We quote as follows: Carriage bolts, common ($1 list), 55 and 5 per cent.; carriage bolts, full square ($2.40 list), 60 and 5 per cent.; carriage bolts, Norway iron ($3 list), 60 and 5 per cent.; machine bolts, all sizes, 55 and 5 per cent.; coach screws, 70 per cent.

RULES AND LEVELS.—As noted in another column a new list of prices and discounts has been issued by The Stanley Rule and Level Co. There appears to be an advance of at least 10 per cent.

SCALES.—The price of "Champion" scales has been advanced about 25 per cent., the discount now being 55 instead of 65 per cent.

ROPE.—Very little doing. Pure manila, 15½c.; British manila, 13½c.; sisal, 12c. per lb.

CEMENT. There is no movement in cement worth mentioning. Prices are steady. We quote as follows: Canadian Portland, Rathbun's "Star," $2.25 to $2.65; "Beaver," $2.10 to $2.50; "Ensign," $1.90 to $2.30; German, $3.15; English, $3; Belgian, $2.50 to $2.75; Canadian hydraulic, $1.25 to $1.50 per bbl.

We have on hand a large stock of steel sheets for making

EMBOSSED CEILINGS,

etc., and are now prepared to make prompt shipment of anything required in our line, and shall be pleased to receive your orders which shall have our best attention.

The Metallic Roofing Co.
LIMITED
Wholesale Manufacturers
TORONTO, - - - CANADA

METALS.

Trade is keeping up fairly well in metals. Galvanized sheets and lead are quoted a little lower.

PIG IRON—Buyers are again beginning to look around for their future requirements, and a little more business is being done. Prices are firm and in the United States Bessemer iron continues to advance. Locally the idea as to price is still $17.50 to $18 on track Toronto.

BAR IRON—In sympathy with pig iron the price of bar iron naturally rules firm and the demand is fair. Base price $1.95 to $2.05. Extras cut to length while rolling: 2 ft. and over, 10c. per 100 lb.; 1 ft. and under 2 ft., 15c.; under 1 ft., 20c.; over 20 ft. by special agreement, according to length and size.

STEEL—The strength of prices is still the feature of the steel market. In the United States there has been another advance on wire rods, and billets are firmer. We quote as follows: Merchantable cast steel, 9 to 15c. per lb.; drill steel, 8 to 10c. per lb.; "BC" and "Black Diamond" tool steel, 10 to 11c.; Jessop's, Morton's and Firth's tool steel, 14c.; toe-calk steel, $2.85 to $3; tire steel, $2.30 to $2.50; sleighshoe steel, $2.10 to $2.25; reeled machinery steel, $3, hoop steel, $3.10.

BLACK SHEETS—Demand is fairly active. We quote: Common, $3 15 for 28-gauge; and dead flat, $2.50 for 26 gauge.

CANADA PLATES—Still going out freely. We quote: All dull, $3.05; half polished, $3.15; all bright, $3.75.

GALVANIZED SHEETS — Demand keeps good. Quite a few case lots have changed hands. We quote as follows: "Queen's Head" brand at $4 60 in case lots, and $4.75 in less quantities.

TIN—The demand is confined to a few small lots. The idea as to price is $30 per ton.

TINPLATES—Trade has been good, but prices are being shaded. The idea for coke plates is still $4.25 for I. C.

TINNED SHEETS — Quite a few small orders have been received this week. We quote as follows: 72 x 30, up to 24 gauge, 7½c.; ditto, up to 26 gauge, 8c.

TERNE PLATES—Dull. We quote: I.C., 20 x 28 gauge, at $8 50.

COPPER—Spot stocks of ingot copper are getting limited. Sheet copper continues in fair demand. We quote ingot at $16 per 100 lb. and sheet at $23 to $25 per 100 lb.

BRASS—Quiet. Discount is 10 per cent. on rod and sheet.

SOLDER—Trade is still quiet. We quote: Half-and-half, guaranteed, 19 to 19½c.; do., commercial, 19c.; refined, 18½c.; wiping, 18c.

LEAD—Prices are 25c. lower, and business is good at the decline. We quote: $3 50 to $3.75 for pig lead and $5 for bar.

IRON PIPE — Trade is still quiet and prices firm. We quote: Black pipe, $5.40 for 1-inch.

SPELTER—A moderate trade is being done. We quote $5.50 to $6 per 100 lb.

ZINC SHEET—Trade is quiet at $6 to $6.25.

ANTIMONY—There has been a little more activity during the week. We still quote 10½ to 11c.

PAINTS AND OILS.

Trade in paints and oils shows a very pronounced quietness this week. The houses are preparing to send out the travellers to commence their work for the coming season. The large amount of building operations that has been going on in city and country indicates a most successful season's trade. Cash sales bave been good, and the retailers are more hopeful and ought to buy more readily. The prices of paris green are very firm, and already there are a number of inquiries for that article. The prices of raw and boiled linseed oil have been lowered 4c. per gal. Otherwise there has been no change. We quote:

WHITE LEAD—Ex Toronto, pure white lead, $6.12½; No. 1, $5.75; No. 2. $5.37½; No. 3, $5.00; No. 4, $4.62½; genuine dry white lead in casks, $5.12½.

RED LEAD—Genuine, in casks of 560 lb. $5.12½; ditto, in kegs of 100 lb., $5.50; No. 1, in casks of 560 lb., $4; ditto, kegs of 100 lb., $4.50.

LITHARGE—Genuine, 6 to 6½c.

ORANGE MINERAL—Genuine, 7½ to 8c.

WHITE ZINC—Genuine, French V.M., in casks, $6 to $6.25; Lehigh, in casks, $6.

BENZINE—In barrel lots, 16½c. per gal.; less quantities, 25c. per gal.

PARIS WHITE—90c. to $1 per 100 lb.

WHITING — 65c. per 100 lb.; Gilders' whiting, 80c.

GUM SHELLAC — In cases, 35c.; in less than cases, 40c. per lb.

LIQUID SHELLAC—Pure orange, in bbls., $2 25 to $2.35; white, $2.35 to $2.45 per gal.; in less quantities, 10c. extra.

PUTTY —Bladders, in bbls., $2.25; bladders, in 100 lb. kegs, $2.40; bulk in bbls., $1.90; bulk, less than bbls. and up to 100 lb., $2.05; bladders, bulk or tins, less than 100 lb., $2.90.

PLASTER PARIS—New Brunswick, $1.90 per bbl.

PUMICE STONE — Powdered, $2.50 per cwt. in bbls., and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in bbls.

LIQUID PAINTS—Pure, $1.20 to $1.30 per gal.

CASTOR OIL — English, in cases, 9½ to 10c. per lb. and 10 to 10½c. for single tins.

LINSEED OIL—Raw, 1 to 4 barrels, 77c.; boiled, 80c.; 5 to 9 barrels, raw, 76c.; boiled, 79c., delivered. To Toronto, Hamilton and London, 2c. less.

TURPENTINE—Single barrels, 59c.; 2 to 4 barrels, 58c., delivered. Toronto, Hamilton and London 1c. less. For less quantities than barrels, 5c. per gallon extra will be added, and for 5-gallon packages, 50c., and 10-gallon packages, 80c. will be charged.

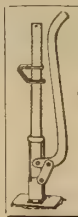
GLASS.

There is still a fair trade doing in glass, but some of the glass merchants are running short of the stock sizes again. The prices are unchanged. We quote as follows: Under 26 in., $4.25; 26 to 40 in., $4.65; 41 to 50 in., $5.10; 51 to 60 in., $5.35; 61 to 70 in., $5.75; 71 to 80, $6.25; 81 to 85, $7; 86 to 90, $7 75; Toronto, Hamilton and London. Terms, 4 months, or 3 per cent. 30 days.

OLD MATERIAL.

The prices still continue very weak owing to the unsettled condition of the copper market. The movement is quieter. We note no further change in prices. We quote: Agricultural 60c. per cwt.; machinery cast, 60c.; heavy copper, 12c. per lb.; stove cast, 40c.; No. 1 wrought, 50c. per 100 lb.; new light scrap copper, 10c. per lb.; bottoms, 10c.; coil wire, 12c.; light brass, 6c.; heavy yellow brass,

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.
'WELLINGTON' KNIFE POLISH
JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
Wellington Mills, London, England.
Agent:
JOHN FORMAN, 644 Craig Street
MONTREAL


COVERT MFG. CO.
West Troy, N.Y.
Steel Carriage and Wagon Jacks,
Harness Snaps, Chain, Rope and Web Goods, etc.
FOR SALE BY JOBBERS AT MFRS. PRICES.

PRIEST'S CLIPPERS
BALL BEARINGS

Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., U.S.A.

Don't Forget the Name. . .
NEWMAN'S INVINCIBLE
FLOOR SPRINGS
Strong, Quick, Reliable, Effective.
Will close a door against any pressure of wind. Far ahead of ordinary door springs, pneumatic or otherwise. Ask your wholesaler.
W. NEWMAN & SONS, Birmingham.

Oneida Community Goods
HALTERS, COW TIES, SNAPS, etc., etc.,
in all sizes and styles. May be had of all jobbers throughout Canada.
Factory—NIAGARA FALLS, ONT.

MACKENZIE BROS.
HARDWARE
MANUFACTURERS' AGENTS,
Travellers covering Manitoba, Northwest Territories and British Columbia. WINNIPEG MAN.
CORRESPONDENCE SOLICITED.

"PULLMAN"
TROUSER or SKIRT HANGERS.
TWO SIZES

PULLMAN SASH BALANCE CO.,
ROCHESTER, N.Y., U.S.A.

8c.; heavy red brass, 10½c.; scrap lead, 2¼c.; zinc, 2c.; scrap rubber, 6¾c.; good country mixed rags, 50 to 60c.; clean dry bones, 40 to 45c. per 100 lb.

HIDES, SKINS AND WOOL.

Hides and skins are quiet. Wool continues weak. The prices quoted below are what are paid by buyers here on arrival:

HIDES—We quote: No. 1, green, 8c.; No. 2 green, 7c.; No. 1 green, steers, 8½c.; No. 2 green, steers, 7½c.; cured, 8¼ to 8¾c.

SKINS—We quote: No. 1 calfskins, 9c.; and No. 2, 7c.; deacons (dairies) 55 to 60c. each; sheepskins, 65 to 75c.; deerskins, 12½ to 14c. per lb.

WOOL—We quote: Fleece, 13c., and unwashed, 7 to 8c. per lb.

SEEDS.

The foreign demand still drags, but local competition has forced upward the price of red clover from 15 to 20c. We quote: Red clover, $5 to $5.40; alsike, $6.50 to $8.50, and timothy, $2.25 to $3 per bush.

COAL.

The situation in soft coal has become much worse and some of the local foundries will have to close down. There is plenty of hard coal, excepting in the nut size. The prices are very firm. We quote at international bridges: Grate, $4.75 per gross ton; egg, stove and nut, $5 per gross ton; soft coal, $2.50 to $3.25 in bond, according to grade.

PETROLEUM.

There is still a good trade doing. We quote: Pratt's Astral, 16½ to 17c. in bulk (barrels, extra); American water white, 17 to 17½c. in barrels; Photogene, 16½ to 17c.; Sarnia water white, 16 to 16½c. in barrels; Sarnia prime white, 14½ to 15c. in barrels.

MARKET NOTES.

Pig lead is quoted 25c. per 100 lb. lower.

Raw and boiled linseed oil are 4c. per gallon lower.

The price of Champion scales is about 25 per cent. higher.

The products of The Stanley Rule and Level Co. are higher.

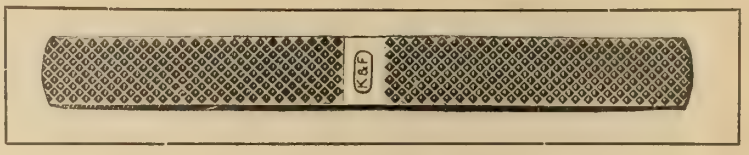
There have been numerous inquiries recently for paris green.

The scarcity of soft coal and coke still continues, and factories here are threatened with a coal famine.

KEARNEY & FOOTE BRAND

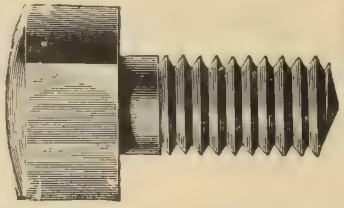
FILES AND RASPS

(Warranted)



Files of the above brand are standard, and are well known for their excellence of cut, temper and finish, and the K. & F. Horse Rasp is one of the leaders in this line, and is in demand in all parts of the Dominion. These goods are stocked by the following wholesale hardware merchants, and may be procured from either of them at bottom prices:

THE JAMES ROBERTSON CO., Winnipeg, Man.
H. S. HOWLAND, SONS & CO., Toronto, Ont.
THE SEYBOLD & SONS CO., Montreal, P.Q.
HOWDEN, STARKE & CO., Montreal, P.Q.
T. McAVITY & SONS, St. John, N.B.
H. H. FULLER & CO., Halifax, N.S.



THE JOHN MORROW MACHINE SCREW COMPANY, Limited

Manufacturers of

Set and Cap Screws, Special Milled Work, Engine Studs, Etc. Cold Punched Nuts of every variety of finish.

INGERSOLL, ONT.



GLASS—

Art Leaded Glass.
Plate and Window Glass
Prismatic Glass.

All Glass required for building

Catalogue and Prices on Application.

THE WOOD ART GLASS CO., London, Ont.

TRADE CHAT.

THE St. Catharines City Council has passed a by-law providing for the purchase of a site for a new armoury.

The question of lighting Souris, Man., by electricity is now under consideration.

P. Robitaille & Fils have registered as wood and coal merchants at Levis, Que.

The Beaver Asbestos Co., of Thetford Mines, Que., has closed down for the winter.

A. O'Borne, wood and coal merchant, Montreal, has assigned, and his creditors met January 3.

R. Whitely, of Hollin, Ont., has sold out his blacksmith business and has moved away from there.

James Corbett, hardware merchant, Kingston, Ont., and his sister, Miss Corbett spent Christmas as the guest of their sister, Mrs. J. C. Hardy, Napanee.

On Thursday morning, December 26, the stables of The People's Coal Co., on Walnut avenue, Toronto, were damaged by fire to the extent of $300 or $400.

A CLERK GETS $1,500,000.

A clerk in Geneva, N.Y., has fallen heir $1,500,000. His good luck was the result of good work. As a clerk he conceived it to be his duty to master the details of the business and to be industrious. A wealthy relative who was watching his career was so gratified that he remembered him in his will to the extent of the sum named.

It is not often that industry excites the beneficence of millionaires to such an extent as this, but industry and proficiency are certain in the long run to earn recognition and reward.

It is not simply because they are ISLAND CITY PAINTS that our products are so popular with Canadian painters and with Canadian merchants--but because they are the best, go furthest, last longest, give best satisfaction.

Are you capturing your share of the Paint trade? If not, there's something wrong—Paint users cannot be satisfied with what you have been selling them, and are going elsewhere for something better. There is no necessity for this condition of affairs existing. Thousands of merchants in every section of Canada are doing a large and profitable trade in

ISLAND CITY PAINTS

Because they give entire satisfaction to their customers—they need seek no further for something better. Half the pleasure of doing business lies in the amount of satisfaction you give your customers in the quality of the goods you sell. There is much pleasure and profit attached to selling **ISLAND CITY PAINTS,** because **THEY ARE THE BEST.**

ISLAND CITY FLOOR PAINTS--dry hard in eight hours.

ISLAND CITY HOUSE PAINTS--only purest and best materials used.

ISLAND CITY PURE WHITE PAINT--
is non-poisonous—two coats cover as much as three coats of pure lead.

ISLAND CITY PURE WHITE LEAD--
pure decorators' lead.

WE MAKE OUR DRY COLORS—**Dry Vermilions, Dry Chrome Yellow, Golden Ochre, Dry French Green for Blinds, Dry Chrome Green, Dry Prussian Blue a Specialty.**

SEND FOR SAMPLE CARD SHOWING 56 COLORS.

P. D. DODS & CO.

MONTREAL. TORONTO.

Mr. J. H. Morin has been appointed Managing-Partner at our Toronto Office from January 1st, 1902.

20 YEARS IN THE PAINT TRADE.

P. D. Dods & Co., Montreal and Toronto, have been in the manfacturing business for over 20 years, and each recurring year finds them better prepared to furnish everything needed in the paint trade, from dry colors to varnishes of all kinds. Their capacity has been more than doubled in the last few years, which enables them to deliver goods in almost any quantity promptly. Owing to the increased demand for their goods, they decided to open a branch in Toronto in 1896, and it has been a marked success. On January 1, this year, they admited Mr. J. H. Morin (who has been connected with R. C. Jamieson & Co. for nearly 30 years) as a partner in their Toronto branch. That gentleman will move to Toronto at once to take charge of that branch. The firm will be thoroughly represented in Western Ontario by their travellers, and they consider that it will be an advantage to the trade to wait for their representatives before placing orders.

SYDNEY BEGINS MAKING STEEL.

On the evening of December 30, the first steel cast was made at the works of the Dominion Iron and Steel Co., Sydney, C.B., in the presence of a number of the chief officials of the company, when about 50 tons of steel were turned out from No. 10, open-hearth furnace. This is the telegram sent the directors that night by General-Manager Moxham :

"Poured first lot of steel at 8 o'clock to night. Everything worked well. Steel made by ordinary pig and scrap process, 60 per cent. Belle Island pig and 40 per cent. scrap. Quality of steel is excellent."

Their blooming mill will be finished in a week or so, which will enable them to convert the ingots into billets.

CONDENSED OR "WANT" ADVERTISEMENTS.

Advertisements under this heading, 2c. a word each insertion; cash in advance. Letters, figures, and abbreviations each count as one word in estimating cost.

FOR SALE.

STOCK OF HARDWARE IN A HEALTHY, growing town in one of the best farming sections of Nova Scotia. Every facility for doing a good and increasing business. Apply HARDWARE AND METAL, Box 74. (4)

WANTED.

BY A WINNIPEG WHOLESALE HARDware firm, two first-class Hardware Clerks. Must have a thorough knowledge of hardware in all departments. Address applications, stating age, experience, references, married or single, etc., Drawer 1475, Winnipeg. (1-tf.)

BUSINESS CHANCE.

ORIENTAL TRADE.—Manufacturers desiring to have goods placed in China and Japan, address "ORIENTAL," CANADIAN HARDWARE AND METAL, Toronto. (1)

R. BAILEY & SON

MANUFACTURERS OF

STOVE LININGS for Ranges and Ovens.

All kinds of Fire Brick and Fire Clay Work, Paving Tile, etc.

Wholesale Only. - - Write for particulars.

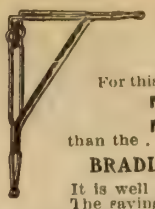
1220 Yonge Street, TORONTO.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker,

13 St. John Street, **Montreal**

Representing British and American Manufacturers. Correspondence invited from firms wishing to be represented in Canada.



Will Hold Up a Shelf!

That's what a shelf bracket is for. For this purpose there can be

NOTHING BETTER

NOTHING CHEAPER

than the ....

BRADLEY STEEL SHELF BRACKET

It is well **Japanned, Strong** and **Light.** The saving in freight is a good profit, aside from the **lower price** at which the goods are sold.

☞ Order direct or through your jobber.

ATLAS MFG. CO., New Haven, Conn., U.S.A.

PERSONS addressing advertisers will kindly mention having seen their advertisement in Canadian Hardware and Metal Merchant.

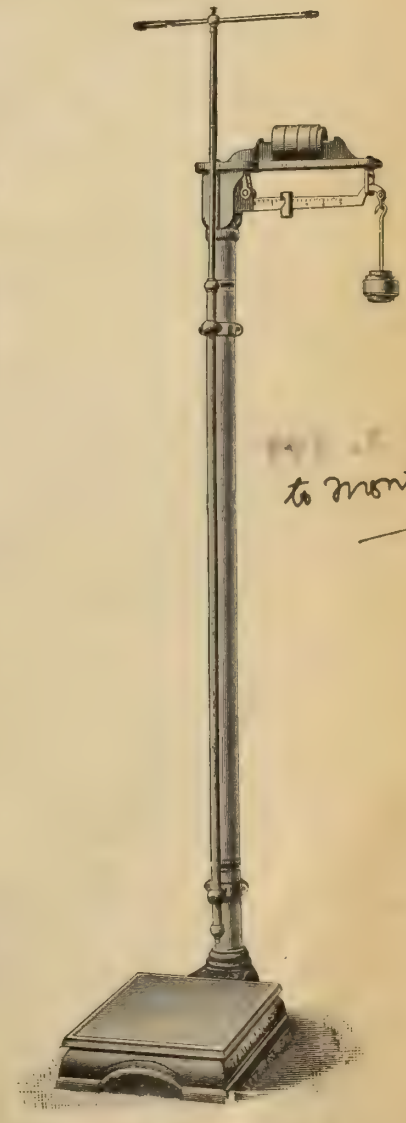
FOR THE BATHROOM

Bathroom Or Household Scale.

This scale is iron and brass throughout; nickle-plated sliding poise beam: with or without measuring rod.

Finished in Pale Blue, White and Gold, or Imitation Oak.

AN IDEAL SCALE FOR HOME USE.



Send for Prices and Catalogues.

THE FAIRBANKS COMPANY

749 Craig Street, **MONTREAL.**

HEATING AND PLUMBING

SOME BUILDING NOTES.

At Chatham, N.B., a new schoolhouse has just been completed from plans prepared by R. C. John Dunn, of Halifax. John McDonald, of Chatham, was the contractor. The building is of freestone, 76 x 104 feet, two and one-half storeys high, with a basement. There are three entrances to the main building, which contains 10 class rooms, nearly all of which are 25 x 32 feet, besides cloak rooms and an assembly hall, 31 x 51 feet. The total cost of the building is $43,000.

A new church is being erected at Concessions, N.S.

H. C. Mantz has erected a new dwelling in Goodlands, Man.

The brick work has been commenced on the Arthur Hotel, Port Arthur.

At Waterford, Ont., tenders have been taken for the erection of a new hotel.

Morlock Bros., Guelph, Ont., will immediately rebuild their upholstery factory.

The new brick residence of Thos. Vickerman, Speedsville, Ont., is being plastered.

A. Sweet & Co., Winchester, Ont., will build a new addition to their store next spring.

A project for the building of a new flour mill, at St. Marys, Ont., is under consideration.

The new High School at Victoria, B.C., is nearly completed, being now ready for the lathers and plasterers.

M. Donohue has obtained permission to erect two brick-veneered cottages on Wellington street, London, Ont.

Thos. Cutteral, builder, has been awarded the contract for extensive alterations to the Dallas Hotel, Vancouver.

G. Bishop, of Victoria, B.C., has received the contract for the building of a large new hotel, at San Juan, B.C.

Dalton & Everleigh, architects, have received tenders for the new boiler house for The British Columbian Electric Railway Co.

George Snider has secured the contract for the erection of a new brick store house at the naval yard at Esquimalt, B.C., to cost about $9,000.

Early next spring work will be commenced on the new building which is to be erected in connection with St. Michael's College, St. Joseph street, Toronto. The new structure will cost between $75,000 and $100,000.

The Guardian Fire and Life Assurance Company, Limited, have secured the vacant lot belonging to the Barrow estate, on St. James street, Montreal, and will commence a new eight-storey building next spring on that site. The property has a frontage of 68½ feet and a depth of 80 feet.

BUILDING IN MOOSE JAW.

Building operations in and around the town of Moose Jaw, N.W.T., although not so brisk as in the last two years, when over $1,000,000 were spent in buildings and improvements, yet show very substantial progress for the last year. A very conservative estimate places the aggregate amount of improvements and new buildings at between $500,000 and $750,000.

The most important structure commenced this season is the new Presbyterian church, which will cost about $15,000 when completed. The building is 75 x 71 feet, and will seat comfortably 600 souls when ready for occupation in the coming spring. Operations were commenced last May and the edifice is now under roof. Besides this, the Roman Catholics have built a church at a cost of $3,000. A large number of new schoolhouses have been built throughout the district.

BEST BUILDING YEAR SINCE 1891.

In the year 1901 there were building permits issued in Toronto representing a value of $3,518,883. 678 permits were issued in 1900, having a value of $1,903,136. In 1899, 710 permits were issued for buildings worth $2,010,446. The million-dollar hotel accounts for this startling total, which is the largest since 1891, when the permits for the new city hall brought the values up to $4,000,000.

The $3,518,883 is divided as follows: 513 brick houses, valued at $1,421,000; 95 alterations to brick houses, $96,178; 93 roughcast houses, $78,775; 5 alterations to roughcast houses, $12,000; 39 stables and sheds, $39,040; 29 stores and offices, $89,110; 43 alterations to stores and offices, $140,075; theatre alterations, $3,500; brewery alterations, $4,000; 8 summer residences, $6,375; two hospital alterations, $8,000; 2 alterations to banks, $29,000; 5 alterations to churches, $40,850; 21 warehouses, $135,200; 8 hotels, $1,048,900; 26 factories, $207,605; 11 alterations to factories, $63,175; alterations to schools, $19,500; alterations to colleges, $57,000; city buildings, $19,500.

BUILDING IN ST. JOHN, N B.

In St. John, N.B., the value of buildings constructed during 1901 is estimated at $130,000, as compared with $203,000 for the year 1900. This is a decrease of $73,000, and is attributed to the fact that the building of manufactories has been rather small and that the designs in dwelling houses has been moderate, chiefly of the two-storey wooden type.

NEW PLUMBING PLANT STARTED.

On Christmas Day the new auxiliary pumping plant at Ottawa, which cost that city $95,000, was set in motion for the first time in the presence of about 100 citizens. This new plant has a capacity of 8,000,000 gallons of water a day, and is very complete. The new pumps were made by The Ker Engine Works, of Walkerville, Ont., and cost $22,000. The shafting and turbines cost $6,700, and were constructed by The Jenckes Machine Co., of Sherbrooke, Que. Holdbrook and Sutherland were the builders of the station and its foundation, which cost nearly $67,000, the balance. The details in connection with the above were drawn up by W. J. Cranston, assistant city engineer for Ottawa, while N. J. Kerr attended to the construction.

TORONTO BUILDING PERMITS.

For the last week of the year building permits have been issued from the Toronto City Commissioner's office, to James Paul, for a two-storey brick dwelling on Robert street, to cost $2,100; to C. R. Dennick, for a two-storey and attic detached brick dwelling, at 208 St. George street, for $6,000; to the City Corporation, for a brick chimney stack at the western crematory on Srachan avenue, for $2,000; to J. McMullen, for a two-storey and attic brick residence, on Murray street, for $2,500; to The Battle Creek Pure Food Co., to erect a one-storey brick addition to their boiler house on the corner of Mowat avenue and King street, to cost $100; and to Christie, Brown & Co., Limited, to erect a five-storey brick and stone warehouse on the corner of Duke and George streets, for $50,000.

WINNIPEG'S GROWTH.

In the year 1901 the amount spent in buildings at Winnipeg was $1,587,227. And in 1900, buildings valued at $1,350,000 were constructed. This shows an increase of $237,000 for this year. The principal buildings constructed were the Alexandria block, valued at $52,000; the sheds of The Electric Street Railway Co., costing $50,000; the addition to the Bank of Hamilton, costing $35,000, and J. Leslie's furniture store, valued at $25,000.

MONTREAL PLUMBERS ELECT OFFICERS

The Master Plumbers' Association, of Montreal, held their annual meeting in the rooms of the Liberal Contractors' Club, recently, St. James street. The attendance was large. The annual reports were read and then the election of officers was proceeded with. The following were elected for 1902:

Hon. President—John Date.
President—Thomas Moll.
First Vice-President—Thomas O'Connell.
Second Vice-President—Joseph Thibault.
Third Vice-President—W. G. Graham.
Secretary—J. A. Gordon.
Financial Secretary—J. C. Brunet.
Treasurer—Captain Giroux.
English Corresponding Secretary—J.W.Hughes.
French Corresponding Secretary—Ald. Joseph Lamarche.
Chairmen of Committees—Sanitary, P. C. Ogilvie; audit, J. A. Watson; apprenticeship, P. J. Carroll.

PLUMBING AND HEATING NOTES.

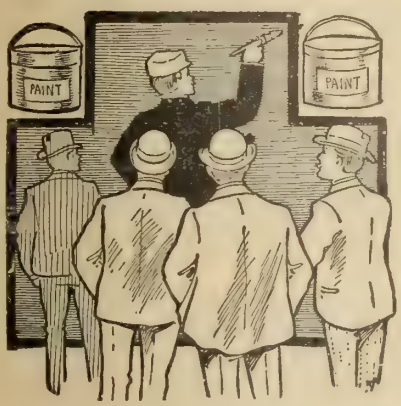
Dawson & Blackwood have opened a plumbing shop at Fort William, Ont.

Mrs. J. H. Yorkston, of 250 Brunswick avenue, was sued for a plumber's bill of $4.75, which F. McLeod had against her. The denial of her being made liable for it was contradicted by two witnesses, who swore flatly that she had said, "If the landlord doesn't pay for it, I will," in their presence. The court ruled that she should pay the bill, and then may sue the landlord to recover the money.

RETURNED
MAR 1902
to A R & Son

PAINT DEMON-STRATION

A demonstration that will pay in the Paint business can be made any day with a pure honest Paint — it can't be made with a cheap Paint and it's a mistake to try. Mixed Paints are here in earnest. Are you in line on a Paint that will retain your business?



RAMSAYS PAINTS

will enable any dealer to obtain more business and hold what he has—they are made for that purpose. They are profitable Paints to dealer and user—the best made, at a fair price. Will you take hold of them? We will help you to success. Write us.

A. RAMSAY & SON

Est'd 1842

PAINT MAKERS MONTREAL

BUTLER'S

FAMOUS

Sheffield Cutlery.

Fish and Dessert Knives; Spoons and Forks; Cabinets and Cases of Cutlery and Plate.

"BUTLER" was registered as a Trade Mark, A.D. 1768.

Sole Makers of the celebrated "KEEN" Razors, "CAVENDISH" brand of Table Knives and Carvers.

HIGHEST AWARDS. SPECIAL MENTION.

—Full Line of Samples and stock at—

GEORGE BUTLER & CO.'S

LONDON SHOWROOM: 62 HOLBORN VIADUCT, E.C.
(Over Snow Hill Station.)

MANUFACTORY:
Trinity Works, SHEFFIELD, ENG.

BUSINESS NEWS

of any kind that is of value to business men supplied by our Bureau. We can give you market quotations from any town in Canada, reports from the city markets, stock quotations, etc. You can get commercial news from any Canadian paper through us.

Write us, giving us particulars of what you want and where you want it from, and we will quote you prices by return.

"Clippings from any Canadian paper on any subject."

CANADIAN PRESS CLIPPING BUREAU,

232 McGill Street, MONTREAL, QUE.
Telephone Main 1255.
10 Front St. East, Toronto. Telephone 2701.

DIAMOND EXTENSION FRONT GRATE.

Ends Slide in Dovetails similar to Diamond Stove Back.

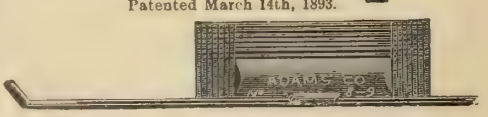
Diamond Adjustable Cook Stove Damper

Patented March 14th, 1893.



Patented December 22nd, 1890.

EXTENDED.
4 x 11 to 6 x 21.



For Sale by Jobbers of Hardware.

Manufactured by THE ADAMS COMPANY, Dubuque, Iowa, U.S.A.
" A. R. WOODYATT & CO., Guelph, Ontario.

IRON PIPE and PIPE FITTINGS

For HEATING and LIGHTING.

Special fittings made to order.

The James Morrison Brass Mfg. Co. LIMITED.
TORONTO.

Engineers' and Plumbers' Supplies.



E. B. SALYERDS

Manufacturer of

Hockey Sticks

PRESTON,

Ontario, Canada.

The Best Stock.
Made of Rock Elm.
Wholesale Trade Only Supplied.
Ask your Wholesale House for the Preston make of Stick.
Write for Prices.

Returned Feb 27/02
M. 4/36

CURIOUS MISTAKES.

SOME very curious and even comical mistakes are made sometimes by people who would not ordinarily be supposed likely to fall into such errors. A story was recently published about a farmer who ordered some repairs for a mower. When they did not arrive at the expected time he wrote to the dealer inquiring about them, receiving the reply that they had been shipped on a certain date. Inquiry resulted in the discovery that the dealer had made a slight mistake and had shipped the goods to himself. But this was not all. The customer obtained the repairs after considerable delay, and in order to impress the dealer with the value of being on time he mailed him a check for the amount of the bill, but made a mistake on his own account by making the check payable to himself and signing it with the dealer's name. This comedy of errors is about on a par with a story told by a hardware dealer from Texas who was in St. Louis last week. A regular customer walked into the store one day and bought a bill of goods amounting to a considerable sum.

"Do you wish to pay cash for the bill?" asked the dealer.

"No; I'll settle in the regular way."

"But your last bill hasn't been paid yet."

"I know it has. It was paid over a month ago and I've got the receipt in my pocket."

After considerable search he produced, not a receipt, but a post office money order for the amount of the bill and which he had supposed was actually a receipt, not knowing that the payee must have the order before he can obtain the money. It seems that he had never had any experience with remitting money through Uncle Sam's bank and thought that payment to the postmaster was equivalent to paying his creditor. He got the asked for credit, together with an explanation of post office methods.—Stoves and Hardware Reporter.

NUMBER OF DEER KILLED.

The number of deer-hunting licenses issued this year in Ontario is estimated at 5,000, complete returns not yet having come to hand. At the moderate allowance of 1½ to each hunter, this would mean that 7,500 deer were killed. The Canadian Express Co. carried alone 2,372, an increase of 878 over last year. Taking into account the number killed by settlers, Indians and half-breeds, and by those hunters who did not have to express them to their homes, there could not have been less than 8,000 or 9,000 deer killed this season.

ORILLIA AS A SUMMER RESORT.

The Orillia Board of Trade is already preparing for its summer work of extensively advertising that town as a pleasant and attractive summer resort. The Grand Trunk Railway will get out 15,000 of their Orillia and Couchiching folders, through the efforts of the board. Besides, 5,000 guide books for Orillia have been contracted for with Desbarats & Co., of Montreal, and the usual space in Smily's Summer Resort Guide, has been taken. Altogether there will be distributed over 20,000 beautifully illustrated booklets, attractively gotten up, dealing exclusively with the natural advantages for tourists and others offered by Orilla and the surrounding district. The usual amount of newspaper advertising will also be done.

NEW LIST ON RULES, LEVELS, ETC.

THE Stanley Rule and Level Company, New Britain, Conn., have issued a new list of prices and discounts to the hardware trade. The list price on boxwood rules has been entirely revised and the coming year will be subject to a base discount of 60 per cent. in place of the base discount of 75 per cent. in use the past year.

The list price of those wooden plumbs and levels, which last year were subject to a base discount of 70 per cent., has been revised, and the new list takes a base discount of 40 per cent. The same applies to the list prices of common pocket levels.

The list prices of rosewood-handled T bevels No. 25 and rosewood handled try squares No. 20, heretofore subject to a base discount of 60 per cent., has been revised, and the new list takes a base discount of 33 1-3 per cent.

A great number of the standard Bailey and Stanley planes, both iron and wood, have been regrouped and new lists issued subject to base discounts of 20 or 25 per cent. instead of the former lists subject to a base discount of 50 per cent.

A GOOD CUTLERY TRADE.

Mr. G J. Crowdy, of James Hutton & Co., Montreal, representatives in Canada of Joseph Rodgers & Sons, Limited, Sheffield, was in Toronto a few days ago. He reports hat business has been excellent, the only difficulty being inability to get orders for cutlery filled fast enough to supply the demand.

CATALOGUES, BOOKLETS, ETC.

THE SECOND OF A SERIES.

M. & L. Samuel, Benjamin & Co., Toronto, have hit upon the happy idea of issuing calendars, which may be termed companions of those of preceding years. Last year the calendar showed an interesting old-time coaching scene. This year's calendar shows a modern tandem turnout with an attractive young lady sitting in the driver's seat with a natty little footman at her side. This year's, as well as last year's calendar, is in natural colors. The issue is being rapidly exhausted, but there are still a few on hand, which will be sent out to the trade on application.

Alex. Hunter has returned to Neepawa, Man., where he will resume his former position in R. H. Hamilton's hardware store. During the summer he was in charge of a hardware store in Yorkton, N.W.T.

NEW YEAR'S DAY

WEDNESDAY, 1st JANUARY, 1902

The Directors and Officers of THE CANADA PAINT COMPANY, LIMITED, desire to send this word of good will to their constituents in Canada and abroad on entering upon a New Year's business.

A word of thanks for confidence and support in 1901, which has been the most important in our history.

Of explanation, that owing to the prevailing strife in Linseed Oil, the handling of Paints and Varnishes must be less profitable to maker and distributor until the laws of supply and demand assert themselves, which we hope will soon be realized.

Of expectation, for the business outlook of 1902 is the most promising in all Canada's history. We venture to hope that our Canadian clients will anticipate a large business, and provide for it early.

On preparation.—For the new season, and to avoid all possible delays, we commenced on 3rd December, at full Spring speed in all departments, the preparation of stock. We will thereby have in readiness 150,000 to 200,000 tins prepared and filled, in excess of anything attempted in previous winters.

On representation.—We have revised the districts, and added, where necessary, to our travelling staff, in order to have our home clients called upon more regularly than during last season. Our technical staff is also at the disposal of our friends in any matter connected with their several departments.

New features —There are several. Our 1902 Catalogue will be mailed in January to every name on our books, and it will be found worthy of careful and constant perusal.

With every good wish for 1902,

THE CANADA PAINT COMPANY,

LIMITED.

The
WATSON FOSTER CO.
LIMITED
MONTREAL



SILVER MEDAL
PARIS 1900
CHICAGO 1893

WALL PAPERS

NOW IS THE TIME
TO
EXAMINE YOUR SAMPLE BOOKS
(THOSE FOR 1902)

AND CONSIDER WHAT CLASS OF GOODS AND COLORINGS YOU HAVE ORDERED TOO LIGHTLY.

OR YOU MAY ALREADY HAVE REDUCED STOCK OF NEW GOODS IN HALLS, DINING-ROOMS, PARLORS, ETC., IF SO, REPEAT NOW.

LATER WE MAY NOT BE ABLE TO SUPPLY.

AVOID BEING SHORT IN RICH COLORED EFFECTS. THERE IS AN INCREASING DEMAND FOR THEM AND A DEALER'S PROFIT IN MEETING IT.

LET US MAKE SAMPLE
SUGGESTIONS

NOW

JAN. 1902

MODERN CONSOLIDATIONS EXPLAINED BY MR. SCHWAB.

CHAS. M. SCHWAB, President of The United States Steel Corporation, was the chief speaker at the banquet of The Bankers' Club of Chicago, on the evening of December 21. His address, as reported in the Chicago dailies, is as follows :

" I notice that I am down on this card to respond to the toast, 'The Natural Growth of Business Enterprises ; the Consolidations Thereof.' I have been thinking a little about this and had some notes prepared to speak on the subject of consolidations here in Chicago, but when I picked up the evening paper I saw two things that particularly struck me. The first was that the colleges in this vicinity had combined—Presbyterian colleges, I think.

" Could there be a stronger argument as to the good that comes of consolidation than that these staid college professors, with all their thought, had decided that it was to their advantage to combine their colleges ? What were they going to combine for ? They were not going to combine for the purpose of making education more expensive to the students, that is evident. But they were going to combine for mutual protection and information and good.

" Now, that is just the basis on which great business enterprises have consolidated. The trust of old is a mistaken idea. The consolidation of to-day is the proper policy. It has been borne out in every thing, even in Genesis, and so on down. The rivers combine to make the great seas ; the trees combine to make the forests. Combinations have gone on in nature forever, and they will go on in politics and business.

CONSOLIDATION IS NATURAL.

" You might just as well try to dam the Mississippi or sweep back the tides as to stop the natural consolidation of business interests. You may regulate the commerce of the Mississippi as you will, and I think its course ought to be regulated by wise and judicious legislation, but you cannot stop it. It will go on in spite of everything.

" Now, the old-trust idea was just as fallacious as anything could well be. In the first place, it was founded upon the principle of restricting the output or increasing the prices or in some other artificial way regulating the business. That is doomed to failure.

" The proper business consolidation is one that is formed with exactly opposite views. It is formed with the view of encouraging trade, of enlarging trade, and, above all, of cheapening the production of the article of which it becomes the manufacturer, and in that way increasing the trade.

" Now, it is difficult for me to exemplify this without pointing to some instances, and naturally I am apt to select that instance with which I am most familiar. I am not going to talk stocks or values. You couldn't get me to do that. But I hope you will pardon me if I refer to an industry with which I am connected. I only refer to it because I am most familiar with it and because I think it typically represents the idea of the great consolidations.

SAYS STEEL IS KING.

" The great steel industry of this country is now first of all. A few years ago cotton was king. King Cotton is now dethroned and King Steel has taken his place. The steel industry last year, to the best of my knowledge, exceeded the cotton industry by more than $100,000,000, and this year it is our belief that the steel industry will exceed the cotton industry by more than $250,000,000, so that I think steel is justly entitled to be throned and crowned.

" The advantages I will very briefly refer to as showing you an ideal consolidation. These great steel companies were not put together with the view of avoiding competition, because, except in very rare instances, they were engaged in different lines of business. But they were put together for the purpose of cheapening and strengthening the steel products and developing the interests of this country.

" In the great northwest, where we have all those ore mines, each individual company could not own the particular mine that would enable them to make the best mixture for the respective qualities of iron and steel, but by consolidation of all these interests it was possible to group these mines as one, to take the ores from the various mines to the works best suited to make the ideal mixture, to do it at the least cost and to produce the best article.

" So in transportation. Instead of a small fleet, whose steamers would have to wait at the docks for loading and unloading, as suited their respective owners' works, they now come down in rotation. They are loaded and their cargoes are not assigned to the various works until after they are well down on the lakes. Now, anyone familiar with the shipping industry will appreciate at once the great saving in economy in such a method of operation.

" So now the mills that formerly made a dozen products run continuously on one. The result of that is cheapening the product in every line, of making the steel available for many purposes for which it is not available at present, and the idea of business consolidation has been reached.

" Now, to come to the second part of my remarks, and that is this : The two things about The United States Steel Corporation that seemed to be best known and most generally discussed were, first, their capitalization, and, second, the salary of their President. Of the first of these I am not afraid to speak. Of the second, I am a little like our Hebrew friend in New York, who, when asked what he would do for $10,000 said he was ashamed to tell.

OWE DUTY TO THE PUBLIC.

"Now, these great consolidations owe a duty to the public. I am in hearty sympathy with President Roosevelt when he says that publicity is the thing that we require in all things pertaining to great industries. I second that proposition most heartily. The great combinations of capital that are not formed on a basis that will permit of a publication of their affairs are founded on an erroneous assumption, and I am not with them.

" There are many other advantages to the public in these great consolidations. The steadiness of business and the control largely of business within their power, will be well understood by the gentlemen here if they stop to reflect one moment upon present business conditions.

"In years gone by if you have looked at a diagram of fluctuations in prices you have found it a series of valleys and peaks. These great consolidations will keep that on a level. To-day the demands for steel are so great that an individual concern would undoubtedly have put the price 20, 30 or even 40 per cent. higher than it is to-day. What would have been the result ? People with enterprises in their mind would have hesitated and would have said : ' Wait, we will buy it a little cheaper later on.'

PAINTS A DARK PICTURE.

" What would have been the result of that ? Construction would have been stopped. Builders would have waited for lower prices ; railroads would not have extended until they could have done better ; but now we believe we are getting the confidence of the public in that respect. The result will be that building will go on. Railroads will be built and business generally will be on a more permanent and level basis.

" Now, I am the most enthusiastic man in the world upon the future of American industries. I believe that we are on the very threshold—I don't believe that we have reached the summit by any manner of means.

" I first became identified with the steel industry in the year 1879, and I remember very well that we prided ourselves—the whole United States—upon having produced about 600,000 tons of steel. In the year 1895 there were produced about 6,000,000 tons of steel, and in this year just ending, as nearly as we can estimate, there will be produced about 15,000,000 tons of steel in the United States.

" Now, I come to the last and most important part of my subject, and that is the relation of these great consolidations to labor. That is the subject that is nearest my heart. It is the subject of most importance to the welfare of this great United States.

COMPARES TWO NATIONS' LABOR.

" I see some of my good English friends here present. I had intended to modify somewhat what I was going to say in that respect, but I know they will be glad to hear it. I was asked by The British Iron and Steel Institute a short time ago to tell them why the English steel industry did not compare with the American.

" There are two reasons, I told them. The first is that the attitude of your labor in England will never permit you to run your mills and factories as we do in America.

" You will be surprised when I tell you that a careful survey of the whole field would seem to show these facts, that the English laborer receives on an average less than one-half of what the American receives year in and year out ; that notwithstanding that fact the costs, which I have been able to compare with the American costs, have been nearly double,

WE have the nicest set of Hose samples ever shown to the Canadian trade. Don't fail to see them.

HOSE

GARDEN STEAM SUCTION ETC.

Send for samples and quotations.

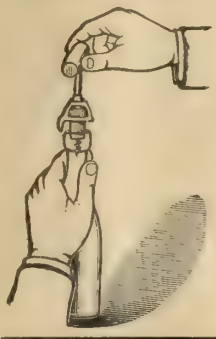
WE make Hose of all kinds for all purposes. Our equipment is the most modern and our goods are perfection.

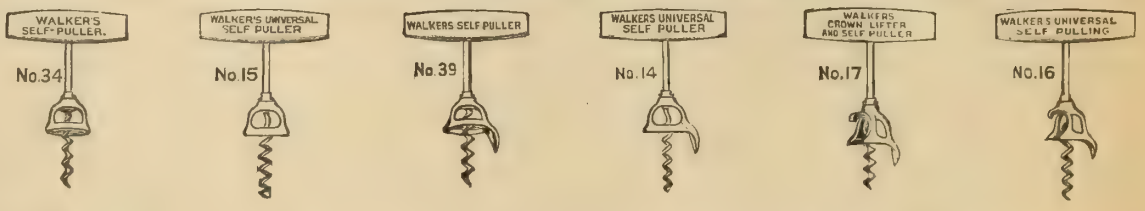
MANUFACTURED BY

THE DURHAM RUBBER CO., LIMITED

Bowmanville, Ont.

See! You Don't Have to Pull. A Child Can Do It.





Walker's Self-Pulling Cork Screws

Made of Crucible Steel, Nickel Plated, Polished Apple Wood Handles.

EVERY ONE TESTED AND GUARANTEED. Several imitations on the market, but none as good.

Mfrd. only by ERIE SPECIALTY CO., Erie, Pa., U.S.A.



Ontario Nut Works, Paris

BROWN & CO.

Manufacturers of

All sizes of Hot Pressed Nuts, Square and Hexagon.

ONTARIO SILVER CO.,

Limited,

NIAGARA FALLS, CANADA.

Manufacturers of **FLATWARE, CUTLERY and ELECTRO PLATE.** . . .

Ask for our Catalogue and Quotations.

"THE EMLYN" SAW BENCH

Made in 6 sizes. Best value obtainable. Specially designed for export With or without "Emlyn" Patent Guard. Sole maker—

CHARLES D. PHILLIPS,

Cables—"Machinery," Newport.

Emlyn Engineering Works, NEWPORT, MON., ENGLAND.

TRADE



MARK

Nobles & Hoare.

CORNWALL ROAD STAMFORD STREET.

LONDON, ENG.

Manufacturers of

HIGH-CLASS VARNISHES ONLY

Which can be obtained direct from the works or from the principal Color Dealers in Canada.

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY MONTREAL.

Watch our ad. in next issue, or write to us fo particulars on our patented

Automatic Door Strip and Weather Strip

Specially adapted for cold climates and takes the place of the inner window.

HELMS & HELMS, 148-50 Willow St., **PHILADELPHIA.**

Standard Paint & Varnish Works Limited

Makers of High Grade Varnishes, Japans, Paints, Colors & Enamels

Windsor, Ont.

solely by reason of the attitude of the combination, the trust of labor that predominates in England.

"It was my pleasure to speak a short time ago before a lot of labor people we brought together for the purpose of settling these questions in New York, and I said this thing, which I think is fundamentally true: 'I am in favor of labor unions. I am not opposed to labor unions, as many people think. I favor them when properly organized. I am opposed, and decidedly opposed, to labor unions where they have as their basis the restriction of output.'

CALLS ATTENTION TO WAGES.

"There is another mistaken idea about this labor question. Many people, speaking of the capitalization of the steel industry, refer to its great bond issue, but I would like to call attention to this fact—that the laborers are the first people who have a first mortgage on this great property. We pay out in round numbers $160,000,000 annually for labor. That is the interest on $3,000,000,000 of capital that must be paid before a penny of the interest on those bonds can be paid.

"Gentlemen. I stand here and say that we are not going to have any disagreement with labor over the fair return they ought to receive. We will be more than liberal with them in that direction, but we insist that we shall be treated with equal fairness; that we shall manage our works as we see fit and shall not be controlled by a trust that will regulate the output of their labor.

"We want the men to stand upon their own merits. We want the good men to come forward and we want the poor man to stand still, and that is as it should be. Many organizations insist that all men shall be leveled to the standard of the poorest, and that is on the wrong basis.

"Now, I am going to tell you the most serious thing, to my mind, in regard to the future of the great organizations of capital. The great business enterprises of the past have been built up by the individual interest and individual efforts of certain individuals. If you will look back over the great businesses that have been built up you will find that they have been the result of some one great mind, which has had all his interest in that business, who has had all his mind in that business—in other words, who has had all his eggs in that basket.

"The result of that individualism was great progress, great extensions, great economies and great successes. The difficulty with these great combinations of capital is going to be to get people to manage them.

WILL MAKE EMPLOYES PARTNERS.

"Now, I believe that difficulty can be met, and the way we intend to try to meet it is this: It is the intention of the United States steel organization to put every man in charge of a little branch of business, even a department of business, not on a salary, but on a percentage of the profits, which will be paid to him in cash and which he can invest in the securities if he wishes, and in that way get his individual effort upon his individual work.

"We don't believe that we get that from salaries, but we do believe that we can come as near making a man a partner in that direction as in any other way that has yet been devised, and, commencing with the first of the coming year, it is our intention to operate every one of our great departments on that basis.

"We shall be glad at your next annual banquet, if we have the privilege of attending, of telling you the result of that experiment."

A BRITISH FIRM'S TRADE WITH CANADA.

Richard Johnson, Clapham & Morris, Limited, Manchester, England, who have been doing a trade in metals with Canada for a great many years, have recently extended their operations here. One of their travellers visited the Dominion last year and arranged with the following firms to look after their business:—Messrs. Copland & Co., of Montreal, in the Provinces of Quebec and Ontario; Messrs. Grant, Oxley & Co., of Halifax, N.S., in the Maritime Provinces; Mr. Chas. Stimson, of Vancouver, B.C., in the Far West; Mr. E. H. Bissett, of Winnipeg, in Manitoba.

As the results of these combined efforts they have considerably increased their business operations in the Dominion in all branches, and specially in their well-known "J. C. M." brands of galvanized iron, which they claim to be fully equal to anything offered in the market, a proof of this being the number of repeat orders constantly being received.

In tinplates their "Relever" brand is largely in demand, and they look forward to an increased share of the trade for the future. They have a large and competent staff prepared to deal promptly with all orders from the Canadian market, and intending purchasers may rely on their orders being executed with every care and attention.

R. Johnson, Clapham & Morris, Limited, are manufacturers on a large scale of all kinds of wire netting, woven wire, wire work, and have an extensive brass foundry, brass-finishing establishment, and engineering works. Some two years ago they purchased a very favorably-situated site on the outskirts of Manchester, of some eight acres in extent. On this they have erected an extensive modern works, of which the main building is 360 feet long by 220 feet wide, divided into six bays of 50 feet, and one of 60 feet wide. These bays are supported by iron pillars. Early next year the firm will move into their new works, which will be electrically lighted and fitted with the most modern machinery of every kind. In addition to these works, they have erected one of the best-equipped and largest brass foundries in the North of England. The works offices, which are very extensive, are situated in a separate building adjoining the main works.

"Hardware and Metal" hopes at no very distant date to furnish illustrations of these works.

A BOOK FOR ACCOUNTANTS.

"Book Keeping for Joint Stock Companies," by David Hoskins, C.A., a treatise that has just been issued, is a valuable text-book not only for accountants, but for all employes of joint stock companies. Mr. Hoskins' long experience and exhaustive study of accountancy has enabled him within the 150 pages of his book to give many valuable hints and much information. It also contains chapters on the duties of secretary-treasurers of companies and extracts from the Ontario Companies Act, the provisions of which it is essential that company officers should be familiar with. Mr. Wm. Eddis, F.C.A., president of the Institute of Chartered Accountants of Ontario, speaks of the volume as a "valuable addition to accountancy literature. The bookkeeping and forms illustrated therein are thoroughly practical and worked out from the accountancy's standpoint." Mr. Hoskins is principal of the British-American Business College, Toronto, and vice president of the Institute of Chartered Accountants of Ontario. The book is substantially bound in cloth and gold, and published at $1.50. Copies may be had by addressing Mr. Hoskins.

Don't waste good work
on poor galvanized iron
—unless you want to be
taught by experience.
Apollo is good.
American Sheet Steel Company, New York
Representatives for Canada
B. & S. H. Thompson & Company
26 St. Sulpice Street
Montreal

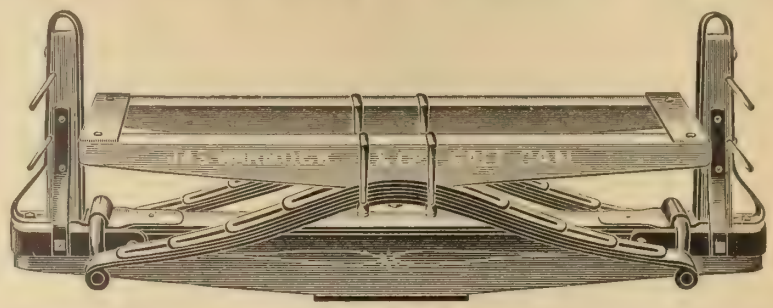
"MIDLAND"
BRAND
Foundry Pig Iron.

Made from carefully selected Lake Superior Ores, with Connellsville Coke as fuel, "Midland" will rival in quality and grading the very best of the imported brands.

Write for Prices to Sales Agents

Drummond, McCall & Co.
or to MONTREAL, QUE.
Canada Iron Furnace Co.
MIDLAND, ONT. Limited

"The Peerless"
is the best Bolster Spring ever produced. A fine line for the hardware trade. Write Us For Prices.



James Warnock & Co. = Galt, Ont.

CURRENT MARKET QUOTATIONS.

Jan ary 3, 1902.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list as the desire s to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag and Straits—		
56 and 28 lb. ingots, per lb.	0 30	0 31

Tinplates.

		Per box
Charcoal Plates—Bright		
M.L.S., equal to Bradley.	....	$6 75
I.C., usual sizes	....	8 25
I.X., "	....	9 75
Famous—		
I.C.	....	6 75
I.X	....	8 25
I.X.X	....	9 75
Raven & Vulture Grades—		
I.C., usual sizes	....	5 00
I.X., "	....	6 00
I.X.X "	....	7 00
I.XXX., "	....	8 00
D.C., 12½x17	....	4 50
D.X	....	5 25
D.X.X	....	6 00
Coke Plates—Bright		
Bessemer Steel—		
I.C., usual sizes	....	4 50
I.C., special sizes, base	....	4 85
20 x 28	....	9 50
Charcoal Plates—Terne		
Dean or J. G. Grade—		
I.C., 20x28, 112 sheets	....	8 50
I.X., Terne Tin	....	10 50
Charcoal Tin Boiler Pla		
Cookley Grade—		Per lb.
X.X., 14x56, 50 sheet bxs	....	0 06½
" 14x60, "		
" 14x65, "		
Tinned Sheets		
72x30 up to 24 gauge	....	0 07½
" 26 "	....	0 08

Iron and Steel.

Common Bar, per 100 lbs.	1 95	2 05
Refined " "	....	2 45
Horse Shoe Iron "	....	2 40
Hoop steel, 1½ to 3 in. base,		3 10
Sleigh Shoe Steel " base	....	2 10
Tire Steel	2 30	2 50
Reeled Machinery	....	3 00
Toe Calk Steel	2 85	3 00
T. Firth & Co's tool steel, per lb	0 12½	0 13
Jessop's tool Steel	....	0 14
Morton's tool steel	0 12½	0 13
Black Diamond and "B.C." tool steel	0 10	0 11
C. Leonard's tool steel	0 08	0 09
Drill Steel, per lb	0 08	0 10

Boiler Tubes.

1½-inch	....	0 12½
2 "	....	0 13
2½ "	....	0 15
3 "	....	0 16
3½ "	....	0 20
4 "	....	0 25

Steel Boiler Plate.

¼ inch	2 50	2 60
3-16 inch	2 60	2 70
⅜ inch and thicker	2 50	2 60

Black Sheets.

	Com.	D.Fl.
18 gauge	2 85	3 00
20 gauge	2 85	3 00
22 to 24 "	2 95	3 25
26 "	3 05	3 50
26 "	3 15	....

Canada Plates.

All dull, 52 sheets	....	3 05
Half polished	....	3 15
All bright	....	3 75

Iron Pipe.

Per 100 Feet.

Black pipe—		
⅛ "	....	4 65
¼ inch	....	3 40
⅜ "	....	3 45
½ "	....	3 70
¾ "	....	3 85
1 "	....	5 40
1¼ "	....	7 70
1½ "	....	9 20
2 "	....	12 50
2½ "	....	24 00
3 "	....	28 00
3½ "	....	36 00
4 "	....	43 00
4½ "	....	50 00
5 "	....	57 00
6 "	....	73 00
Galvanized pipe—		
⅛ inch	....	5 15
¾ "	....	5 50
1 "	....	7 95
1¼ "	....	10 80
1½ "	....	12 95
2 "	....	17 35

5 p. c. off to preferred buyers.

Galvanized Sheets.

	G C. Comet.	Amer.	Queen's Head.
16 gauge	....	....	....
18 to 24 gauge	4 15 3 75	....	4 15
26 "	4 35 4 00	....	4 35
28 "	4 60 4 25	....	4 60

Less than case lots 10 to 15c. extra.
28 gauge American equals 26 gauge English.

Chain.

Proof Coil, 3-16 in., per 100 lb	....	....
" ¼ " "	7 85	8 10
" 5-16 " "	4 95	5 25
" ⅜ " "	4 35	4 60
" 7-16 " "	4 15	4 40
" ½ " "	4 00	4 25
" 9-16 " "	3 90	4 15
" ⅝ " "	3 80	4 05
" ¾ " "	3 85	4 10

Halter, kennel and post chains, 40 to 40 and 5 p.c.
Cow ties ..... 40 p.c.
Tie-out chains ..... 65 p.c.
Stall fixtures ..... 35 p.c.
Trace chain ..... 45 p.c.
Jack chain, iron, single and double, discount 35 p c.
Jack chain, brass, single and double, discount 40 p.c.

Copper.

	Ingot	Per 100 lb.
English B. S., ton lots	....	16 00
Lake Superior	....	....
Bars.		
Cut lengths round, ½ to ⅞ in.	23 00	25 00
" round and square 1 to 2 inches	23 00	25 00
Sheet.		
Plain, 14 oz., and light, 16 oz., 14x48 and 14x60	24 00	24 50
Plain, 14 oz., and light, 16 oz., irregular sizes	24 50	25 00
Tinned copper sheets	....	26 00
Planished	....	32 00
Braziers (In sheets.)		
4x6 ft. 25 to 30 lbs. ea., per lb.	....	0 25
" 35 to 45 " "	....	0 24
" 50-lb. and above, "	....	0 23
Boiler and T. K. Pitts		
Plain Tinned, per lb	....	0 28
Spun, per lb	....	0 32

Copper Ware.

Discount, 50 per cent.

Brass.

Rod and Sheet, 14 to 30 gauge 10 per cent.

Sheets, hard-rolled, 2x4	....	0 23
Tubing, base, per ft	....	0 23½

Zinc Spelter

Foreign, per lb	0 05½	0 06
Domestic "	...	..

Zinc Sheet.

5-cwt. casks	6 00	6 25
Part casks	0 06	0 06¼

Lead.

Imported Pig, per 100 lb	3 75	4 00
Bar, 1 lb	....	0 95
Sheets, 2½ lbs. sq. ft., by	....	0 06¼
Sheets, 3 to 6 lbs., "	....	0 06

NOTE.—Cut sheets ½ cent per lb. extra.
Pipe, by the roll, usual weights per yard, lists at 7c. per lb. and 30 p.c. dis. f.o.b. Toronto.
NOTE.—Cut lengths, net price, waste pipe 3-ft. lengths lists at 7½ cents.

Shot.

Common, $6.50 per 100 lb.; chilled, $7.00 per 100 lb.; buck, seal and ball, $7.50. Discount, 17½ p.c. Prices are f.o.b. Toronto, Hamilton, Montreal, St. John and Halifax. Terms 3 per cent. cash, freights equalized.

Soil Pipe and Fittings.

Discount, 60 and 10 per cent. on medium and extra heavy, and 60 per cent. on light.

Solder.

	Per lb.	Per lb.
Bar half-and-half, guarant'd	....	0 19½
Bar half-and-half, commer'l	....	0 19
Refined	....	0 18½
Wiping	....	0 18

Antimony.

Cookson's, per lb	0 10½	0 11

White Lead.

	Per 100 lb.
Pure	6 12½
No. 1	5 75
No. 2	5 37½
No. 3	5 00
No. 4	4 62½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B B. Genuine	8 25
" " No. 1	7 50

Red Lead.

Genuine, 560 lb. casks, per cwt.	$4 75
Genuine, 100 lb. kegs, per cwt.	5 00
No. 1, 560 lb. casks, per cwt.	4 25
No. 1, 100 lb. kegs, per cwt	4 50

White Zinc.

Extra Red Seal	0 06	0 08
No. 1	0 05½	0 07
No. 2	0 05	0 06

Dry White Lead.

Pure, casks	5 25
Pure, kegs	5 50
No. 1, casks	5 00
No. 1, kegs	5 25

Prepared Paints.

In ¼, ½ and 1 gallon tins.

Pure, per gallon	....	1 25
Second qualities, per gallon	....	1 10
Barn (in bbls.)	0 60	0 90
The Sherwin-Williams Paints	....	1 40
Canada Paint Co's Pure	....	1 25
Toronto Lead & Color Co's Pure	....	1 25
Sanderson Pearcy's Pure	....	1 20
Stewart & Wood's Champion Pure		1 20

Colors in Oil.

25 lb. tins, Standard Quality.

Venetian Red, per lb	0 04½	0 06
Chrome Yellow	0 12	0 14
Golden Ochre	0 08	0 10
French "	....	0 06
Marine Black	....	0 09
Chrome Green	....	0 10
French Imperial Green	....	0 12
Sign Writers' Black	....	0 16
Burnt Umber	....	0 11
" Sienna	....	0 11
Raw Umber	....	0 11
" Sienna	....	0 11

Colors, Dry.

Common Ochre bbls	1 20	1 30
Yellow Ochre J.F.L.S.), bbls	...	2 00
Yellow Ochre (La Belle)	1 15	1 25
Brussels Ochre	....	2 00
Venetian Red (best), bbl	1 75	2 00
English Oxides, per cwt	3 00	3 25
American Oxides, bbls	1 25	2 00
Canadian Oxides, bbls	1 25	1 75
Super Magnetic Oxides, 93p.c.	2 00	2 25
Burnt Sienna, pure, per lb	....	0 10
" Umber, " "	....	0 10
do Raw	....	0 09
Drop Black, pure	....	0 09
Chrome Yellows, pure	....	0 18
Chrome Greens, pure, per lb.	0 09	0 10
Golden Ochre	0 04	0 05
Ultramarine Blue in 28-lb. boxes, per lb	0 06	0 18
Fire Proof Mineral, per 100 lb	....	1 00
Genuine Eng. Litharge, per lb	....	0 07
Mortar Color, per 100 lb	1 25	1 50
Pure Indian Red, No. 45 lb.	0 08	0 10
Whiting, bbl	0 55	0 60
English Vermillion in 30-lb. bags.		0 95

Paris Green.

	per lb.
Petroleum Casks	16¾
Arsenic Kegs	17
50-lb. and 100-lb. drums	17½
25-lb. drums	18
1-lb packages	18½
½-lb. do	20½
1-lb. tins	19½
½-lb do	21½

F.O.B. Montreal. Terms—3 p. c. off 30 days, or 4 mos. from date of de ivery.

Blue Stone.

Casks, for spraying, per lb	0 07
100-lb. lots, do. per lb	0 08

Putty.

Bulk in bbls.	1 90
Bulk in less quantity	2 05
Bladders in bbls	2 25
Bladders in kegs, boxes or loose	2 40
Bladders in 25-lb. tins	2 35
Bladders in 12½-lb. tins	2 65
Bladders in bulk or tins less than 100 lb	2 90

Varnishes.

In 5-gal. lots.	Per gal.	net.
Carriage, No. 1	1 50	1 60
Pale Durable body	4 10	4 25
" rubbing	2 85	3 00
Gold Size, Japan	2 85	3 00
No. 1 Brown Japan	....	0 85
Elastic Oak	....	1 50
Furniture, extra	....	1 25
" No. 1	....	0 85
Hard Oil Finish	1 65	1 75
Light Oil Finish	1 40	1 60
Demar	1 70	1 80
Shellac, white	2 35	2 45
" orange	2 25	2 35
Turpentine Brown Japan	....	1 25
" Black Japan	0 85	0 90
" " No. 1	0 70	0 75

Elastilite Varnish 1 gal. can, each, $3.00.
Granatine Floor Finish per gal., $2.75.
Maple Leaf Coach Enamels; Size 1, $1 20 Size 2, 70c.; Size 3, 40c. each.

Castor Oil.

East India, in cases, per lb	0 09½	0 10
" " small lots	0 10	0 10½

Cod Oil, Etc.

Cod Oil per gal	0 50	0 55
Pure Olive	....	1 20
" Neatsfoot	....	90

Glue.

Common	0 08½	0 09
French Medal	0 14	0 14½
Cabinet sheet	0 12	0 13
White, extra	0 18	0 20
Gelatine	0 22	0 30
Strip	0 18	0 20
Coopers	0 19	0 20
Huttner	....	0 19

JAMES HUTTON & CO.

Sole Agents in Canada for

Joseph Rodgers & Sons, Limited,
Steel, Peech & Tozer, Limited,
W. & S. Butcher,

Thomas Goldsworthy & Sons,
Burroughes & Watts, Limited,
Etc., Etc.,

Have reopened their offices in Victoria Chambers,

232 McGill Street, MONTREAL.

HARDWARE.

Ammunition.

Cartridges.

B. B Caps Dom. 50 and 5 per cent.
Rim Fire Pistol, dis. 40 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Central Fire Pistol and Rifle, 10 p.c. Amer.
Central Fire Cartridges, pistol sizes Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 per cent.
Central Fire, Military and Sporting, Amer. add 5 p.c. to list. B.B. Caps, discount 40 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 10 p.c. advance on list.
Brass Shot Shells, 55 per cent.
Primers, Dom., 30 per cent.; American, $1.60.

Wads	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb. bags	70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	
Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 20 per cent.

Anvils.

Wright's, 80-lb. and over 0 10¾
Hay Budden, 80-lb. and over 0 09¼
Brook's, " " 0 11¼

Augers.

Gilmour's, discount 65 and 5 p.c. off list.

Axes.

Chopping Axes		
Single bit, per doz	5 50	10 00
Double bit, "	11 00	18 00
Bench Axes, 40 p.c.		
Broad Axes, 25 per cent.		
Hunters' Axes	5 50	6 00
Boy's Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Axle Grease.

Ordinary, per gross	5 75	6 00
Best quality	13 00	15 00

Bath Tubs.

Zinc 6 00
Copper, discount 15 p.c. off revised list

Baths.

Standard Enameled.

5½-inch rolled rim, 1st quality 25 00
" " " 2nd " 21 00

Anti-Friction Metal.

"Tandem" A	per lb.	0 27
" B	"	0 21
" C	"	0 11½
Magnolia Anti-Friction Metal, per lb.		0 25
Frictionless metal, per lb		0 23
Phosphorine	6 to	0 30

SYRACUSE SMELTING WORKS.

Aluminum, genuine		0 45
Dynamo		0 29
Special		0 25
Aluminum, 99 p.c. pure "Syracuse"		0 50

Bells.

Hand.

Brass, 60 per cent.
Nickel, 55 per cent.

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Door.

Gongs, Sargant's	5 50	8 00
" Peterboro', discount 45 per cent.		

Farm.

American, each	1 25	3 00

House.

American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00
Blacksmiths', discount 40 per cent.		

Belting.

Extra, 60 per cent.
Standard, 60 and 10 per cent.
No. 1, not wider than 6 in., 60 10 and 10 p.c.
Agricultural, not wider than 4 in., 75 p.c.

Bits.

Auger.

Gilmour's, discount 60 and 5 per cent.
Rockford, 50 and 10 per cent.
Jennings' Gen., net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind and Bed Staples.

All sizes, per lb 0 07¾ 0 12

Bolts and Nuts.

	Per cent.
Carriage Bolts, common ($1 list)	55 and 5
" " full square ($2.40 list)	60 and 5
" " Norway iron ($3 list)	60 and 5
Machine Bolts, all sizes	55 and 5
Plough Bolts	55 and 5
Blank Bolts	60
Bolt Ends	60
Sleigh Shoe Bolts	70
Coach Screws, cone point	70
Nuts, square, all sizes, 3¾c per lb. off.	
Nuts, hexagon, all sizes, 4c. per lb. off.	
Stove rods, per lb ..... 5½ to 6c.	
Nuts, in 50 lb. lots ¼c. per lb extra in less than 50 lb lots, ½c. extra.	

Boot Calks.

Small and medium, ball, per M	4 25	
Small heel, per M	4 50	

Bright Wire Goods.

Discount ..... 62½ per cent.

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent.

Henis, No. 8		6 00
Henis, No. 9, "		7 00
Queen City "	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Building Paper, Etc.

Tarred felt, per 100 lb	1 70
Ready roofing, 2-ply, not under 45 lb. per roll	85
Ready roofing, 3-ply, not under 65 lb. per roll	1 10
Carpet felt, per ton	45 00
Dry sheathing, per roll, 400 sq. ft	35
Tar sheathing, " " "	45
Dry fibre " " "	55
Tarred fibre, " " "	65
O.K. & I X L., " " "	70
Resin-sized, " " "	40
Oiled sheathing, " 600 "	1 10
" " " 400 "	70
Roofing tar, per barrel	4 50
Coal tar, "	4 00
Coal tar, less than barrels, per gal	15
Roofing pitch, per 100 lb	85

Roofing, per roll, small packages 25

Bull Rings.

Copper, $2.00 for 2½ in. and $1.90 for 2 in.

Butts.

Wrought Brass, net revised ist

Cast Iron.

Loose Pin, dis., 60 per cent.

Wrought Steel.

Fast Joint, dis. 65, 10 and 2½ per cent.
Loose Pin, dis. 65, 10 and 2½ per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.
Gen. Bronzed, per pair 0 40 0 65

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	....

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	8 50	9 50

Cement.

Canadian Portland	2 25	2 75
English "	3 00	3 15
Belgian "	2 50	2 75
Canadian hydraulic	1 25	1 50

Chalk.

Carpenters Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 70 per cent.
Warnock's, dis. 70 per cent.
P. S. & W. Extra 60, 10 and 5 p.c.

Churns.

Revolving Churns, metal frames—No. 0, $8—No. 1, $8.50—No. 2, $9.00—No. 3, $10.00—No. 4, $12.00—No. 5, $16.00 each. Ditto, wood frames—20c. each less than above. Discounts: Delivered from factories, 56 p.c.; from stock in Montreal, 54 p.c. Terms, 4 months or 3 p.c. cash in 30 days.

Clips.

Axle dis. 65 per cent.

Closets

	Net.
Plain York or Ontario Syphon Jet	$9 60
Emb. York or Ontario Syphon Jet	10 20
Fittings	1 00
Plain Elgin or Teu. Syphon Washout	6 00
Emb. Elginor Teu. Syphon Washout	6 60
Fittings	1 25
Low Down Elgin or Teutonic, plain	9 60
" " " emb.	10 20
Plain Richelieu	4 00
Emb. Richelieu	4 25
Connections	1 25
Low Down Out. Sy. Jet, plain	11 70
" " " " " emb'd.	12 30
Closet connection	1 25
Basins P.O., 14 in	0 70
" oval, 17 x 14 in	1 50
" " 19 x 15 in	2 25

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Cradles, Grain.

Canadian, dis. 25 to 33⅓ per cent.

Crosscut Saw Handles.

S. & D., No. 3, per pair	17½
" " 5, "	22½
" " 6, "	15
Boynton pattern "	20

Door Springs.

Torrey's Rod, per doz	(15 p.c.)	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Coach and Wagon, dis. 50 and 10 per cent.
Carpenters, dis. 70 per cent.

Drills.

Hand and Breast.

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis., 37½ to 40 per cent.
Standard dis. 50 and 5 to 55 per cent.

Faucets.

Common, cork-lined, dis. 35 per cent.

ELBOWS. (Stovepipe.)

	per doz.
5 and 6-inch, common	1 20
7-inch	1 35

Polished, 15c. per doz. extra.

ESCUTCHEONS.

Discount, 45 per cent.

ESCUTCHEON PINS.

Iron, discount 40 per cent.

FACTORY MILK CANS.

Discount off revised list, 40 per cent.

FILES AND RASPS.

Great Western	70 and 10 per cent.
Arcade	70 " 10 "
Kearney & Foot	70 " 10 "
Disston's	70 " 10 "
American	70 " 10 "
J. Barton Smith	70 " 10 "
McClellan	70 " 10 "
Eagle	70 " 10 "
Nicholson, 60 and 10 to 60, 10 and 5	"
Royal	80 "
Globe	70 to 75 "

Black Diamond, 60 and 10 to 60, 10 and 5 p.c.
Jowitt's, English list, 25 to 27½ per cent.
Nicholson File Co.'s "Simplicity" file handle, per gross, 85c. to $1.50.

GLASS—Window—Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	D. Diamond Per 50 ft.	D. Diamond Per 100 ft.
Under 26	2 20	4 25	....	6 25
26 to 40	2 40	4 65	....	6 75
41 to 50	....	5 10	....	7 50
51 to 60	....	5 35	....	8 50
61 to 70	....	5 75	....	9 70
71 to 80	....	6 25	....	11 00
81 to 85	....	7 00	....	12 55
86 to 90	....	7 75	..	15 00
91 to 95	..	....	...	17 50
96 to 100	.. ..	....	..	20 50
101 to 105	....	....	....	24 00
106 to 110	....	....	....	27 50

GAUGES

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's, Nos. 26 to 33, each ... 1 65 2 40

HALTERS.

Rope, ⅜ per gross	....	....
" ½ "	....	9 00
" ⅝ to ¾ "	....	14 00
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

Maydole's, dis. 5 to 10 per cent. 25 to 27½ per cent. Can. dis.

Tack.

Magnetic, per doz 1 10 1 20

Sledge.

Canadian, per lb 0 07½ 0 08⅓

Ball Pean.

English and Can., per lb 0 22 0 25

HANDLES.

Axe, per doz. net	1 50	2 00
Store door, per doz	1 00	1 50

Fork.

C. & B., dis. 40 per cent. rev. list.

Hoe.

C. & B., dis. 40 per cent. rev. ist.

Saw.

American, per doz 1 00 1 25

Plane.

American, per gross ..... 3 15 [illegible]

Hammer and Hatchet.

Canadian, 40 per cent.

Cross-Cut Saws.

Canadian, per pair 0 13¾

HANGERS.

	doz. pairs.	
Steel barn door	5 85	6 00
Stearns, 4 inch	....	5 00
" 5 inch	....	6 50
Lane's covered—		
No. 11, 5-ft. run	....	8 40
No. 11½, 10-ft. run	....	10 80
No. 12, 10-ft. run	....	12 60
No. 14, 15-ft. run	....	21 00
Lane's O.N.T. track, per foot	....	4½

HARVEST TOOLS.

Discount, 70 per cent.

HATCHETS.

Canadian, dis. 40 to 42½ per cent.

USE PHOSPHORINE BABBITT METAL

It is the new discovery. Ask for particulars.

It is the only Anti-Friction Metal known to be chemically pure.



For Paper and Pulp Mills, Saw and Wood Working Machinery, Cotton and Silk Mills, Dynamos, Marine Engines, and all kinds of Machinery Bearings.

Wire, Triangular and Bar Solder, Pig Tin, Lead, Ingot Copper, Ingot Brass, Antimony, Aluminum, Bismuth, Zinc Spelter, Phosphor Tin, Phosphor Bronze, Nickle, etc., always in stock.

CANADIAN WORKS, MONTREAL, P.Q.
AMERICAN " SYRACUSE, N.Y.

Syracuse Smelting Works

HINGES.

Blind, Parker's, dis. 50 and 10 to 60 per cent	
Heavy T and strap, 4-in., per lb	0 06½
" " 5-in., "	0 06¼
" " 6-in., "	0 06
" " 8-in., "	0 05¾
" " 10-in., "	0 05½
Light T and strap, dis. 65 and 5 per cent.	
Screw hook and hinge—	
6 to 10 in., per 100 lbs	4 25
12 in. up, per 100 lbs	3 25
Per gro. pairs.	
Spring	12 00

HOES.

Garden, Mortar, etc., dis. 50 and 10p.c.	
Planter, per doz	4 00 4 50

HOLLOW WARE

Discount, 45 and 5 per cent.

HOOKS.

Cast Iron.

Bird Cage, per doz	0 50	1 10
Clothes Line, per doz	0 27	0 63
Harness, per doz	0 72	0 88
Hat and Coat, per gross	1 00	3 00
Chandelier, per doz	0 50	1 00

Wrought Iron.

Wrought Hooks and Staples, Can dis 47½ per cent.

Wire.

Hat and Coat, discount 45 per cent.
Belt, per 1,000 0 60
Screw, bright, dis. 55 per cent.

HORSE NAILS.

"C" brand 50 and 7½p.c.off new list } Oval-
"M" brand 50, 10 and 5 per cent. } head
Countersunk. 60 per cent.

HORSESHOES

F.O.B. Montreal.

Iron Shoes.	No. 2 and larger.	No. 1. and smaller.
Light, medium, and heavy	3 50	3 75
Snow shoes	3 75	4 00
Steel Shoes.		
Light	3 60	3 85
Featherweight (all sizes)	4 85	4 85

F.O.B. Toronto, Hamilton, London and Guelph, 10c. per keg additional.

Toe weight steel shoes 6 70

JAPANNED WARE.

Discount, 45 and 5 p.c. off list, June 1899

ICE PICKS.

Star per doz 3 00 3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.
Copper, per lb 0 30 0 50
American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 45 p.c.
Cabinet, trunk, and padlock, Am. per gross 60

KNOBS.

Door, japanned and N.P., per doz	1 50	2 50
Bronze, Berlin, per doz	2 75	3 25
Bronze Genuine, per doz	6 00	9 00
Shutter, porcelain, F. & L. screw, per gross	1 30	4 00
White door knobs—per doz.		1 25

HAY KNIVES.

Discount, 50 and 10 per cent.

LAMP WICKS.

Discount, 60 per cent.

LANTERNS.

C. J. Blast, per doz	7 00
No. 3 "Wright's"	8 50
Ordinary, with O burner	4 00
Dashboard, cold blast	9 00
No. 0	5 75
Japanning, 50c. per doz. extra.	

LEMON SQUEEZERS.

Porcelain lined, per doz.	2 20	5 60
Galvanized	1 87	3 85
King, wood	2 75	2 90
King, glass	4 00	4 50
All glass	1 20	1 30

LINES.

Fish, per gross	1 05	2 50
Chalk "	1 90	7 40

LOCKS.

Canadian, dis. 45 p.c.

Russel & Erwin, per doz	3 00	3 25

Cabinet.

Eagle, dis. 30 p.c.

Padlock

English and Am. per doz	50	6 00
Scandinavian, "	1 00	2 40
Eagle, dis. 20 to 25 p.c		

MACHINE SCREWS. Iron and Brass.

Flat head discount 25 p.c
Round Head discount 20 p.c.

MALLETS.

Tinsmiths' per doz	1 25	1 50
Carpenters', hickory, per doz	1 25	3 75
Lignum Vitae, per doz.	3 85	5 00
Caulking each	60	2 00

MATTOCKS.

Canadian, per doz 5 50 6 50

MEAT CUTTERS.

American, dis. 25 to 30 p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are:	Cut.	Wire.
2 d and 3d	$3 55	$3 85
3 d	3 20	3 52
4 and 5d	2 95	3 35
6 and 7d	2 85	3 20
8 and 9d	2 70	3 00
10 and 12d	2 65	2 95
16 and 20d	2 60	2 90
30, 40, 50 and 60d. (base)	2 55	2 85

Wire nails in carlots are $2.77½
Galvanizing 2c. per lb. net extra.
Steel Cut Nails 10c. extra.
Miscellaneous wire nails, dis. 70 and 10 p.c.
Coopers' nails, dis. 30 per cent.
Flour barrel nails, dis 25 per cent

NAIL PULLERS.

German and American 1 85 3 50

NAIL SETS

Square, round, and octagon per gross 3 38 4 00
Diamond 12 00 15 00

POULTRY NETTING.

2 in. Mesh 19 w.g., dis. 60 p.c.
2-in. Mesh, 18 w.g. and heaver, 50 and 10 p.c.

OAKUM.

Per 100 lb.

Navy	6 00
U. S. Navy	7 25

OIL.

Water White (U.S.)	0 16½
Prime White (U.S.)	0 15½
Water White (Can.)	0 15
Prime White (Can.)	0 14

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal., per doz 10 00

Zinc and tin, dis. 50, 50 and 10.

Copper, per doz	1 25	3 50
Brass, "	1 50	3 50

Malleable, dis. 25 per cent.

GALVANIZED PAILS.

Dufferin pattern pails, dis. 45 p.c.
Flaring pattern, discount 45 per cent.
Galvanized washtubs discount 45 per cent.

PIECED WARE.

Discount 40 per cent. off list, June, 1899.
10-qt. flaring sap buckets, dis. 40 p.c.
6, 10 and 14-qt. flaring pails, dis. 40 p.c.
Creamer cans, dis. 40 p.c.

PICKS.

Per doz 6 00 9 00

PICTURE NAILS.

Porcelain head, per gross	1 75	3 00
Brass head "	0 40	1 00

PICTURE WIRE.

Tin and gilt, discount 75 p.c.

PLANES.

Wood, bench, Canadian dis. 40 per cent. American dis. 50.
Wood, fancy Canadian or American 7½ to 40 per cent.

PLANE IRONS.

English, per doz 2 00 5 00

PLIERS AND NIPPERS.

Button's Genuine per doz pairs, dis. 37½ 40 p.c.
Button's Imitation, per doz 5 00 9 00
German, per doz 0 60 2 60

POWDER.

Ve'o c Smokeless Shotgun Powder.

100 lb or less	0 85
1,000 lb or more	0 80

Net 30 days.

PRESSED SPIKES.

Discount 22½ per cent.

PULLEYS.

Hothouse, per doz	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning	0 35	2 50

PUMPS.

Canadian cistern	1 80	3 60
Canadian pitcher spout	1 40	2 10

PUNCHES.

Saddlers', per doz	1 00	1 85
Conductors' "	9 00	15 00
Tinners', solid, per set	0 00	0 72
" hollow per inch	0 00	1 00

RAKES.

Wood, 10 per cent.

RAZORS.

	per doz.	
Elliot's	4 00	18 00
Geo. Butler & Co.'s	4 00	18 00
Boker's	7 50	11 00
" King Cutter	12 50	50 00
Wade & Butcher's	3 60	10 00
Theile & Quack's	7 00	12 00

REGISTERS.

Discount 40 per cent

RIVETS AND BURRS.

Iron Rivets, black and tinned, discount 60 and 10 per cent.
Iron Burrs, discount 55 per cent.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets & Burrs, 35 and 5 p.c. dis. and cartons, 1c. per lb. extra, net
Extras on Tinned or Coppered Rivets ½-lb. cartons, 1c. per lb.

RIVET SETS

Canadian dis. 35 to 37½ per cent.

ROPE ETC.

Sisal	12
"British" Manilla	13½
Pure Manilla	15½
Cotton, 3-16 inch and larger	16
" 5-32 inch	21
" ⅛ inch	22½
Russia Deep Sea	15½
Jute	8
Lath Yarn	10¼

RULES.

Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS.

	per set.
Mrs. Potts, No. 55, polished	65
" No. 50, nickle-plated	75

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 5 per cent.
Emery, 40 per cent.
Garnet (Rurton's), 5 to 10 p.c. advance on list.

SAP SPOUTS.

Bronzed iron with hooks, per doz 9 50

SAWS.

Hand Disston's, dis. 12½ p.c.
S. & D., 40 per cent.

Crosscut, Disston's, per ft	35	0 55

S. & D., dis. 35 p.c. on Nos. 2 and 3.

Hack, complete, each	0 75	2 75
" frame only		0 75

SASH WEIGHTS.

Sectional, per 100 lbs	2 25	2 50
Solid, "	1 75	2 00

SASH CORD.

Per lb	0 23	0 30

SASH SETS

"Lincoln" and Whiting, per doz	4 75
Hand Sets No. 1 Woodyatt (Morrill)	4 25
X-cut sets, No. 3 Woodyatt (Morrill)	9 50

SCALES.

Standard, 45 p.c.
Champion, 55 p.c.
Spring Balances, 10 p.c.
Fairbanks Standard, 35 p.c.
" Dominion, 55 p.c.
" Richelieu, 55 p.c.
Warren's new Standard 45 p.c.
" " Champion 65 p.c.

SCREW DRIVERS.

Sargent's per doz	0 65	1 00

SCREWS

Wood, F. H., bright and steel, 87½ and 10 p.c
Wood R. H., " dis. 82½ and 10 p.c.
" F. H., brass dis. 80 and 10 p.c.
Wood, R. H., " dis. 75 and 10 p.c.
" F.H., bronze, dis. 75 p.c.
" R.H. " 70 p.c.
Drive Screws, 87½ and 10 per cent.

Bench, wood, per doz	3 25	4 00
" iron, "	4 25	5 75

Set, Case hardened, 60 per cent.
Square Cap, 50 and 5 per cent.
Hexagon Cap, 45 per cent.

SCYTHES.

Per doz, net 9 00

SCYTHE SNATHS.

Canadian, dis. 45 p.c.

SHEARS.

Bailey Cutlery Co., full nickeled, dis. 60 p.c.
Seymour's, dis. 50 and 10 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SINKS.

Steel and galvanized, discount 45 per cent.

SNAPS.

Harness, German, dis. 25 p.c.		
Lock, Andrews'	4 50	11 50

SOLDERING IRONS.

1, 1½ lb., per lb	0 37
2 lb. or over, per lb	0 34

SQUARES.

Iron, No. 493, per doz	2 40	2 55
" Mo. 494, "	3 25	3 40

Steel, dis. 60 10 and 5 p.c.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.

Plain, dis., 75 and 12½ p.c. off revised list
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized	3 50	4 00
Plain	3 25	3 75

Coopers', discount 45 per cent.
Poultry netting staples, 40 per cent.

STOCKS AND DIES.

American dis. 25 p.c.

STONE.

	Per lb.	
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip,	0 09	0 09
Labrador		0 13
" Axe		0 15
Turkey		0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind. 2 in. 40 to 200 lb. per ton		25 00
" under 40 lb. "		28 00
Grind. under 2 in. thick "		29 00

STOVE PIPES.

5 and 6 inch Per 100 lengths		7 00
7 inch " "		7 50

ENAMELINE STOVE POLISH.

No. 4—3 dozen in case, net cash	$4 80
No. 6—3 dozen in case, "	8 40

TACKS BRADS, ETC.

Cheese-box tacks, blued 80 & 12½
Trunk tacks, black and tinned 85
Carpet tacks, blued 80 & 15
" " tinned 80 & 20
" " (in kegs) 40
Cut tacks, blued, in dozens only 80
" ¼ weights 60
Swedes cut tacks, blued and tinned—
In bulk 80 & 10
In dozens 75
Swedes, upholsterers', bulk 85, 12½ & 12½
" brush, blued & tinned, bulk 70
" gimp, blued, tinned and japanned 75 & 12½
Zinc tacks 25
Leather carpet tacks 55
Copper tacks 50
Copper nails 5 & ½
Trunk nails black 65 and 5
Trunk nails, tinned 65 and 10
Clout nails, blued 65 and 5
Chair nails 35
Patent brads 40
Fine finishing 40
Lining tacks, in papers 10

STANDARD CHAIN CO., PITTSBURGH, U. S. A.

MANUFACTURERS OF **CHAIN** OF ALL KINDS.

Proof Coil, B.B., B.B.B., Crane, Dredge Chain, Trace Chains, Cow Ties, etc.

ALEXANDER GIBB, Montreal. —Canadian Representatives— A. C. LESLIE & CO., Montreal.

For Provinces of Ontario and Quebec. For other Provinces.

Lining tacks, in bulk		15
" " solid heads, in bulk		75
Saddle nails in papers		10
" " in bulk		15
Tufting buttons, 22 line, in dozens only		60
Tin capped trunk nails		25
Zinc glazier's points		5
Double pointed tacks, papers		90 and 10
" " " bulk		40

TAPE LINES.

English, ass skin, per doz	2 75	5 00
English, Patent Leather	5 50	9 75
Chesterman's each	0 90	2 85
" steel, each	0 80	8 00

THERMOMETERS.

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TRAPS. (Steel.)

Game, Newhouse, dis. 25 p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's discount 10 per cent.

German, per doz	4 75	6 00

S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb		0 27
Wrapping, cotton, 3-ply		0 18½
" " 4-ply		0 23½
Mattress, per lb	0 33	0 45
Staging, "	0 27	0 35

VISES.

Wright's		0 13½
Brook's		0 12¾
Pipe Vise, Hinge, No. 1		3 50
" " " No 2		5 50
Saw Vise	4 50	9 00

ENAMELLED WARE.

White, Princess, Turquoise, Blue and White, discount 50 per cent.
Diamond, Famous, Premier, 50 and 10 p.c.
Granite or Pearl, Imperial, Crescent, 50, 10 and 10 per cent.

WIRE.

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Smooth Steel Wire, is quoted at the following net selling prices:

No. 6 to 8 gauge		$2 90
" 9 "		2 80
" 10 "		2 87
" 11 "		2 90
" 12 "		2 95
" 13 "		3 15
" 14 "		3 37
" 15 "		3 50
" 16 "		3 65

Other sizes of plain wire outside of Nos. 9, 10, 11, 12 and 13, and other varieties of plain wire remain at $2.80 base with extras as before. The prices for Nos. 9, to 13 include the charge of 10c. for oiling. Extras net per 100 lb.: Coppered wire, 60c.—tinned wire, $2—oiling, 10c.—special hay-bailing wire, 30c—spring wire, $1— best steel wire, 75c.—bright soft drawn, 15c.—in 50 and 100-lb. bundles net, 10c.—in 25-lb. bundles net 15c.—packed in casks or cases, 15c.—bagging or papering, 10c.

Fine Steel Wire, dis. 17½ per cent. List of extras: In 100-lb. lots: No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, 7.65—No. 24, $8—No. 25, $9—No. 26 $9.50—No. 27, $10—No. 28, $11 No. 29. $12—No. 30, $13—No. 31, $14—No. 32, $15 No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31 $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles, 25c.—in 1-lb. hanks, 50c.—in ¼-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.

Galvanized Wire, per 100 lb.—Nos. 6,7,8, $3.50 to $3 85—No. 9, $2.85 to $3.15—No. 10 $3.60 to $3.95—No. 11, $3.70 to $4.10—No 12, $3 to $3.30—No. 13, $3.10 to $3.40—No. 14, $4.10 to $4.50—No. 15, $4.60 to $5.05—No. 16. $4.85 to $5.35. Base sizes, Nos. 6 to 9 $2.52½ f.o.b. Cleveland.

Clothes Line Wire, regular 7 strand. No. 17, $4.65; No. 18, $2.90; No. 19, $2.60. Hollow 6 strand, No. 17, $4.30; No. 18. $2.70 No. 19, $2.35; No 20, $2.30, f.o.b. Hamilton, Toronto, Montreal.

WIRE FENCING.

Galvanized barb		3 00
Galvanized, plain twist		3 00
Galvanized barb, f.o.b. Cleveland, $2.77½ in less than carlots, and $2.65 in carlots		

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net	1 25

WASTE COTTON. per lb.

Colored	6
White	8

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 60 p.c.
Coe's Genuine, dis. 20 to 25 p.c.

Towers' Engineer, each	2 00	7 00
" S., per doz	5 80	6 00
G. & K.'s Pipe, per doz		3 40
Burrell's Pipe, each		3 00
Pocket, per doz	0 25	2 90

WRINGERS.

Leader per doz.	$30 00	33 00
Royal Canadian.. "		24 00
Royal American., "		24 00
Sampson "		24 00

Terms 4 months, or 3 p.c. 30 days.

WROUGHT IRON WASHERS.

Canadian make, discount, 40 per cent.

JONES BROS.

Bracondale, P.O., Ontario.

Stove Brick Manfrs.; also Stove and Furnace Cement. Fire Clay in Packages or Bulk. Over 200 styles of brick of all makers of stoves; trade supplied only; write for prices and catalogue. All goods sent F.O.B. Toronto.

ADVERTISING in WESTERN CANADA

will be Carefully Efficiently, and Promptly attended to, by

The Roberts Advertising Agency,
WINNIPEG CANADA.

THE OAKVILLE BASKET CO.,



Manufacturers of

1, 2, 3 Bushel

Grain

AND

Root

BASKETS

THE OAKVILLE BASKET CO.



Established 1832. Cable Address, "Bliss."

MANUFACTURERS

Wood Turnings, Hand Bench and other Screws Mallets, Handles, Vises Clamps, Tool Chests Croquet, Lithographs Wood Toys, Novelties

and also the celebrated

Wood's Patent Car Gate

For Street and Steam Railroad Cars.

The R. BLISS MFG. CO.

Pawtucket, R.I., U.S.A.

Canadian Representative: ALEXANDER GIBB, 13 St. John St., MONTREAL.

75 YEARS. *ESTABLISHED 1825.* *75 YEARS.*

CELEBRATED HEINISCH SHEARS.

Tailors' Shears, Trimmers, Scissors, Tinners' Snips, etc.



ACKNOWLEDGED THE BEST.

R. HEINISCH'S SONS CO. NEW YORK OFFICE, 90 Chambers St. NEWARK, N.J., U.S.A.

Not connected with any Shear Combination.

Book-keeping FOR Joint Stock Companies

A text-book for the use of accountants, book-keepers, business men, and advanced accountancy students, by

DAVID HOSKINS, C.A.

Vice-President of the Institute of Chartered Accountants of Ontario.

Price $1.50, postpaid. Address:—

DAVID HOSKINS, C.A.,
Cor. Yonge and McGill Sts., Toronto, Ont.

"BAILEY" BRAND CUTLERY

SURPASSES ALL OTHER MAKES.

WRITE FOR CATALOGUE.



FULLY WARRANTED.

Shears, Scissors, Razors, and Butcher Knives, made by

BAILEY CUTLERY CO., Limited
BRANTFORD, ONT.

THAT NEW SET OF BOOKS.

"BURMESE LINEN LEDGER" is the best paper for blank books—a splendid writing surface—erasable—durable and distinguished throughout for strength. Insist that your stationer give you books made with this famous paper.

CANADA PAPER CO, Limited
TORONTO and MONTREAL

CHAS. F. CLARK, President. JARED CHITTENDEN Treasurer.

...ESTABLISHED 1849...

BRADSTREET'S

Capital and Surplus, $1,500,000. Offices Throughout the Civilized World.
Executive Offices: Nos. 346 and 348 Broadway, New York City, U.S.A.

THE BRADSTREET COMPANY gathers information that reflects the financial condition and the controlling circumstances of every seeker of mercantile credit. Its business may be defined as of the merchants, by the merchants, for the merchants. In procuring, verifying and promulgating information no effort is spared, and no reasonable expense considered too great, that the results may justify its claim as an authority on all matters affecting commercial affairs and mercantile credit. Its offices and connections have been steadily extended, and it furnishes information concerning mercantile persons throughout the civilized world.

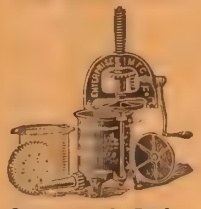
Subscriptions are based on the service furnished, and are available only by reputable wholesale, jobbing and manufacturing concerns, and by responsible and worthy financial, fiduciary and business corporations. Specific terms may be obtained by addressing the Company at any of its offices. **Correspondence Invited.**

—OFFICES IN CANADA—

HALIFAX, N.S.	HAMILTON, ONT.	LONDON, ONT.	MONTREAL, QUE.
OTTAWA, ONT.	QUEBEC, QUE.	ST. JOHN, N.B.	TORONTO, ONT.
VANCOUVER, B.C.	VICTORIA, B.C.	WINNIPEG, MAN.	

THOS. C. IRVING, Gen. Man. Western Canada, Toronto. JOHN A. FULTON, Gen. Man. Eastern Canada, Montreal.

Sausage Stuffer, Lard and Fruit Press



8 Sizes and Styles

Rapid Grinding and Pulverizing Mills

40 Sizes and Styles for Hand and Power



No. 3, $5.00

Bone, Shell and Corn Mill



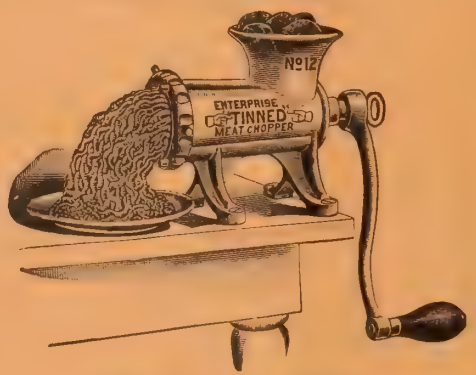
No. 750, $7.50

TRADE "ENTERPRISE" MARK.

Meat and Food Choppers

TINNED

40 Sizes and Styles for Hand and Power
from $1.00 to $300.00



No. 12, - - $2.50

Sold by all the leading Jobbers of the Dominion
ILLUSTRATED CATALOGUE MAILED FREE

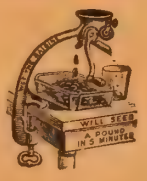
The Enterprise Mfg. Co. of Pa.
Philadelphia, Pa., U. S. A.

Meat Juice Extractor



No. 21, $2.50

Raisin Seeder



No. 36, $1.00

Cold Handle Polishing IRON



No. 82, $6.75 per doz.

Est. 1868 Inc. 1895

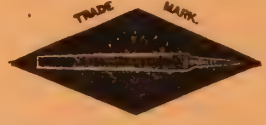
Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve  Medals

Awarded
By **JURORS** at
International Expositions
Special Prize
Gold Medal at Atlanta, 1895



1902 GARDEN HOSE. 1902

We manufacture the most popular and best selling lines of Garden Hose in Canada. Our "Maltese Cross" brand we confidently recommend as the finest Garden Hose on the market.

We have other grades not quite so expensive, but good reliable brands, viz.: "Lion" (the popular medium-priced hose), "King" "Sun" and "Leader."

Our "Kinkproof" (wire wound) hose is wired by a special process controlled solely by ourselves, and is so constructed that it may be cut at any wind of the wire without loosening or uncoiling, the wire being self-gripping throughout each length.

THE GUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

Head Office and Warerooms—
45-47-49 West Front St.

TORONTO,

Factories—115-165 West Lodge Ave.
124-148 O'Hara Ave.

CANADA.

BRITISH MANUFACTURED

CASTOR OIL

"H. O. M. CO." Brand.

Cold Drawn Pharmaceutical,
First Pressure,
Second Pressure.

From stock and to import. In barrels, and cases—2 tins each. Special prices for import orders.

B. & S. H. THOMPSON & CO.

28 St. Sulpice St., MONTREAL,

CORDAGE

ALL KINDS AND FOR ALL PURPOSES.

Manila Rope	Lathyarn
Sisal Rope	Shingleyarn
Jute Rope	Bale Rope
Russian Rope	Lariat Rope
Marline	Hemp Packing
Houseline	Italian Packing
Hambroline	Jute Packing
Clotheslines	Drilling Cables
Tarred Hemp Rope	Spunyarn
White Hemp Rope	Pulp Cord
Bolt Rope	Lobster Marlin
Hide Rope	Paper Cord
Halyards	Cheese Cord
Deep Sealine	Hay Rope
Ratline	Fish Cord
Plow Lines	Sand Lines

"RED THREAD" Transmission Rope from the finest quality Manila hemp obtainable, laid in tallow.

CONSUMERS CORDAGE COMPANY, Limited

Western Ontario Representative—
WM. B. STEWART,
Tel 94. 27 Front St. West, TORONTO.

MONTREAL, QUE.

Sells on its Merits,
LANGWELL'S BABBITT
MONTREAL.

CANADIAN
HARDWARE
AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XIV. MONTREAL AND TORONTO, JANUARY 11, 1902 NO. 2.

POCKET KNIVES
H. BOKER & Cos
IMPROVED
TREE BRAND
TRADE MARK
RAZORS CUTLERY SCISSORS

FOR SALE BY LEADING WHOLESALE HARDWARE HOUSES.

1901

Easily broke all records in the sale of "Queen's Head" Iron.

1902

Promises to be better still, opening with the largest tonnage ever on our books at the same date.

Thanks to all our friends.

JOHN LYSAGHT, Limited, Makers. BRISTOL, ENG.

A. C. LESLIE & CO., MONTREAL, Managers Canadian Branch.

Our Fame Has Been Won in World Competition.

RETURNED JAN 21 1902

We are starting out this year still far ahead in the race. We're likely to stay there, because we have something that can't be improved on—



The "Safford" Radiator.

It won fame against a world of competion. The joints of the "Safford" are its success—made without bolts or packing—can't leak.

Any information you desire will be gladly given. Write for a little booklet on heating.

The Dominion Radiator Co., Limited

Head Office Dufferin St.,

TORONTO, CANADA.



The Largest Radiator Manufacturers Under the British Flag.

FELT
WEATHER STRIP
FOR
DOORS AND WINDOWS.

FOOT WARMERS
RICE LEWIS & SON
LIMITED

Cor. King and Victoria Streets. TORONTO.

CRUCIBLES

Nos. 18 to 60 in stock.

WRITE FOR PRICES.

Samuel, Sons & Benjamin, London and Liverpool, Eng.

M. & L. Samuel, Benjamin & Co.

General Importers and Exporters and Metal Merchants.

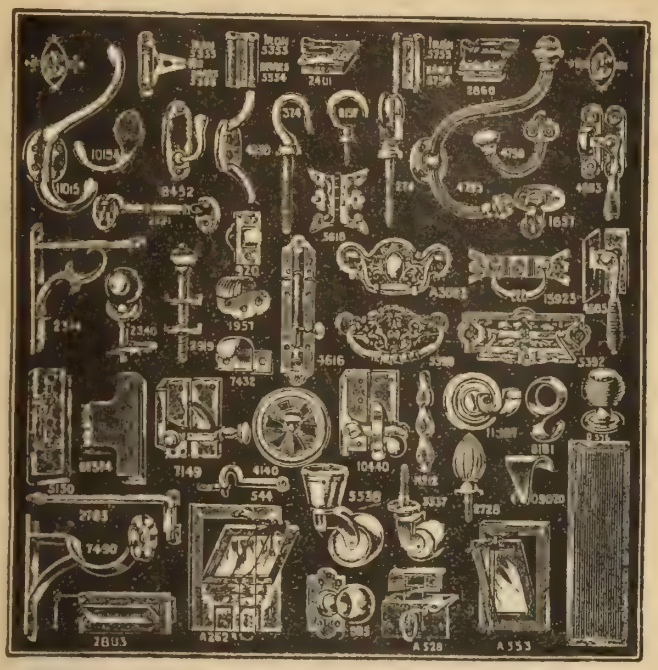
27 Wellington St. West, TORONTO, ONT.

James Cartland & Son

Manufacturers of every description of **Limited**

CABINET, BUILDERS', FURNISHING AND NAVAL BRASSFOUNDRY

BIRMINGHAM, ENGLAND.



London Showrooms: 57 Holborn Viaduct, E.C.

"C.R.Co." Star



RED RUBBER PACKING

FOR HIGH-GRADE WORK

Good Packing **Good Price**

Good Profits **Good Advertising Matter**

Send for samples, prices and advertising matter.

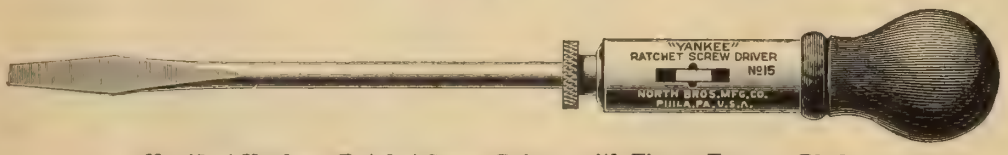
The Canadian Rubber Co.

MONTREAL **TORONTO** **WINNIPEG**

Other Tools are very good Tools, but

"YANKEE TOOLS"

ARE BETTER



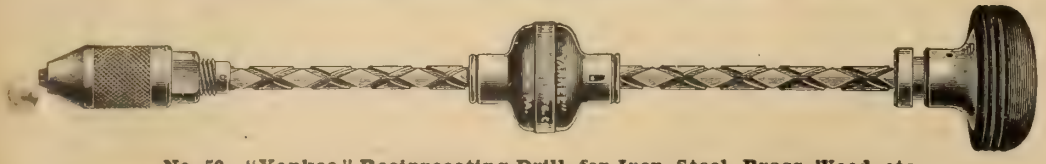
No. 15. "Yankee Ratchet Screw Driver, with Finger Turn on Blade.



No. 30. "Yankee" Spiral-Ratchet Screw Driver, Right and Left Hand.



No. 41. "Yankee" Automatic Drill," Eight Drill Points in Handle.



No. 50. "Yankee" Reciprocating Drill, for Iron, Steel, Brass, Wood, etc.

Our "YANKEE" Tool Book tells all about them. Mailed free on application. . . . . .

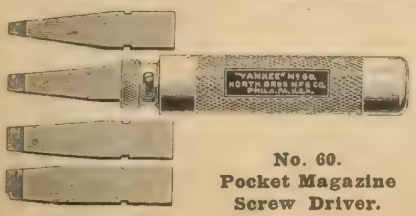
Manufacturers also of

LIGHTNING, GEM and BLIZZARD Ice Cream Freezers.

Toy Freezers, Ice Shaves and Ice Chippers.

Fluting Machines, Hand Fluters.

Sold by Leading Jobbers in Canada.



No. 60. Pocket Magazine Screw Driver.

NORTH BROS. MFG. CO.,

Philadelphia, Pa., U.S.A.

Millions of pounds of "C" brand Horse Nails have been used in shoeing horses in Canada since 1865, and every pound has proved them to be the best Horse Nail made in Canada. They always give the farrier the most satisfactory results in every respect. They cost a trifle more, but are the most economical to use and the easiest for the merchant to sell.

We thank every dealer who has sold "C" Horse Nails in 1901, and convey to them our sincere wishes for a Happy and Prosperous New Year.

CANADA HORSE NAIL COMPANY, MONTREAL.

TO THE TRADE:

We quote the following prices for Incandescent Gas supplies:

	EACH.
Beacon Post Burners,	18c.
No. 18, Incandescent Post Burners,	15c.
Beacon Gallery Burners,	17c.
No. 18, Incandescent Gallery Burners,	14c.
"Gloria" Triple-weave Mantles,	15c.
"United" Single-weave "	11c.
	PER DOZ.
Combination Chimneys,	$1.10
Lighthouse "	1.10
Best Lead Chimneys, small,	90c.
Bulb Globes, all styles,	90c.
No. 74, Porcelain Crimp Shades,	90c.
Crown Canopies,	1.50
3 ly "	70c.
Torches,	1.25
Wax Tapers, per dozen boxes,	60c.

Hoping to be favored with your orders.

Yours truly,

The United Incandescent Light Co.,

7 Yonge St. Arcade, - TORONTO.

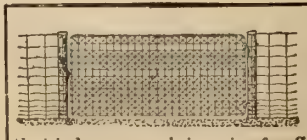
Phone Main 969.

Opening the Season with a Full Assortment



CHURCH'S ALABASTINE. The only Wall-Coating that is extensively advertised and in demand. That is known to be permanent, because it has stood the test of time, and that sells on its own merits. ALL DEALERS will recognize the importance of having goods in stock when customers want them. Don't put off. Order early, to get and be able to give prompt service. **Alabastine** is ready for use by the addition of **Cold Water**, a feature that is protected by patents. Beware of imitations. Write **The Alabastine Co., Limited, Paris, Ont.**, for special inducements to practical men. The trade supplied by Wholesale Hardware and Paint Dealers. Also by

THE ALABASTINE CO., Limited, Paris, Ontario.



PAGE METAL GATES are so low in price no one can afford to use wooden ones. Light, and yet strong enough to support a heavy man on the end while he swings around the circle without causing them to sag. They are neat in appearance, will last a lifetime. Will not sag nor get rickety. They are supplied with latches which allow them to be opened either way and are self acting. The only good metal gate that is low enough in price for General farm purposes. We also make Farm and Ornamental Fence, Poultry Netting, Nails and Staples. **The Page Wire Fence Co., Limited, Walkerville, Ont.**

H. S. HOWLAND, SONS & CO.

WHOLESALE ONLY

37-39 Front Street West, **Toronto.**

ONLY WHOLESALE

German Horse Clippers

(Henry Boker's)



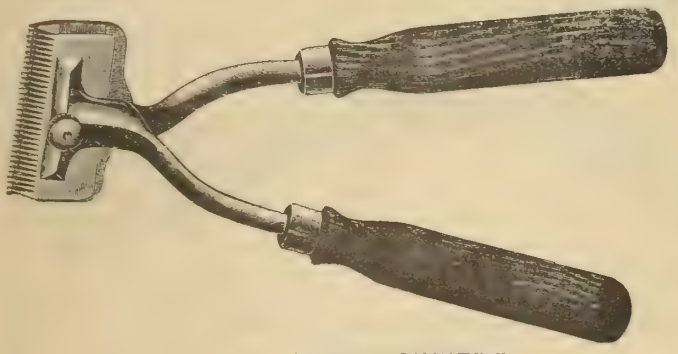
"DANDY" Horse Clippers. "KEEN CUT" Horse Clippers.
No. 1704 BALL BEARINGS.



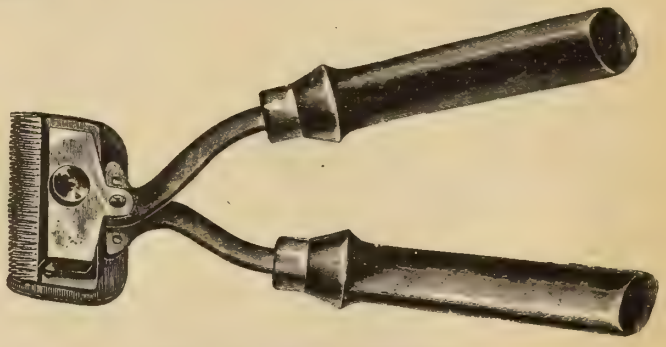
"NEWMARKET" Horse Clippers.

American Horse Clippers

(Herman Boker's)

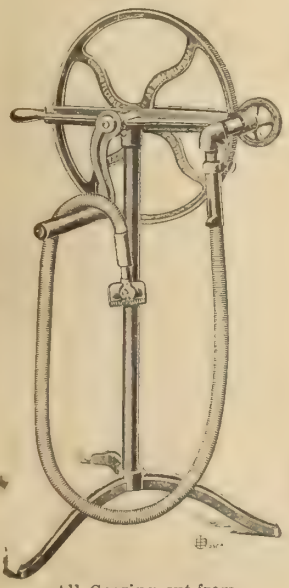


THE "STAR POINTER."



THE "XL. BALL BEARING."

1902--The New Chicago Horse Clipping Machine--1902



All Gearing cut from solid metal (not cast).



"Stewart's Patent."
Knife and Handle Complete.

PARTS.

Without Handle. Top Plates.
Handle Only. Bottom Plates.



No Belts to Slip—Positive Power. It has a rigid base, tubular upright, and a fine, strong crank handle.

H. S. HOWLAND, SONS & CO., Toronto.

OUR PRICES ARE RIGHT

Graham Wire and Cut Nails are the Best.

Factory: Dufferin Street, Toronto.

WE SHIP PROMPTLY

HENRY ROGERS, SONS & CO.,

SHEFFIELD, ENGLAND

Manufacturers of the celebrated

H R S & C°

BARB and PLAIN GALVANIZED WIRE

We make a Specialty of

PLATED WARE, FRUIT KNIVES, ETC.

Our Canadian Representative carries a full line of samples.

Canadian Office:

6 St. Sacrament St., MONTREAL.

F. A. YORK, Manager.



WRIGHT'S Insect Sprayers

PLAIN TIN, LACQUERED, ALL BRASS.

"BEST ON EARTH."

Manufactured by

E. T. WRIGHT & CO.

HAMILTON, ONT., and MONTREAL, QUE.

J. H. Hanson, Agent, Montreal.

KNOX HENRY

Heavy Hardware and Metal Broker

Room 32, Canada Life Bldg., MONTREAL.



Samples sent free on application.

HORSE NAILS — "C." Brand Horse - Nails Canada Horse Nail Co.

"BRASSITE" GOODS — Gunn Castor Co. Limited, Birmingham, Eng.

McCaskill, Dougall & Co

Fine Varnish & Japan Manufacturers.

Montreal

Price Lists on application

THE INDEPENDENT CORDAGE CO., Limited,

TORONTO.

Highest Award Pan-American Exposition

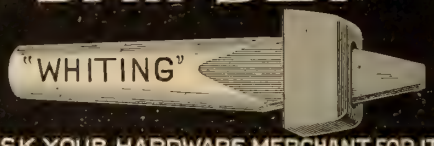
MANUFACTURERS OF ALL KINDS OF

SISAL MANILA **ROPE,** Lath Yarn, Shingle Yarn, Hide Cord, Pulp Cord, Clothes Lines. **BINDER TWINE**

Transmission Rope a specialty.

SAW-SET

FOR LUMBERMEN.



FOR CROSS-CUTS ONLY.

ASK YOUR HARDWARE MERCHANT FOR IT
TAKE NO OTHER. FAILING TO DO ITS WORK YOUR MONEY WILL BE RETURNED

R. DILLON, OSHAWA ONT.

DILLON'S HIGH-GRADE SPECIALTIES:

English Steel Scythes
Saw Tools, Axes, etc.

R. DILLON

OSHAWA, ONT.

H. & R. SINGLE GUN AUTOMATIC AND NON-EJECTING.

12 and 16 Gauges.
Steel and Twist Barrels.

Superior in Design, Workmanship and Finish, and the most popular Gun on the Market.

Simplest "Take Down" Gun Made.



HARRINGTON & RICHARDSON ARMS CO.
Also makers of H. & R. Revolvers,
Catalog on request. Worcester, Mass., U.S.A.

STEVENS-MAYNARD JR. RIFLE

The Young Gentleman's Rifle.



The Young Gentleman's Rifle.

If you want the best cheap rifle ever made we have it in the Stevens-Maynard Jr. It will be a great seller this year. Better place order now.

The leading Jobbers handle Stevens products.

J. Stevens Arms & Tool Co., P.O. Box 217 Chicopee Falls, Mass., U.S.A.

A London Fence Machine is what every farmer needs.

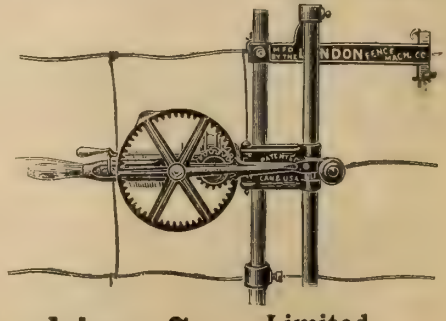
THEY SAVE 50 per cent.

A little trouble to introduce them will create a permanent demand. One agency only in each town.

Kinkora, Perth Co., July 15th, 1901.

Gentlemen,- I have b en successful in placing with farmers of this township about thirty London Fence Machines and a large amount of other fence supplies. My patrons are all well pleased, and speak of the London as the best machine to build a good cheap fence. I expect to sell a great many more next season, as they cannot be beaten.

I am, yours truly, D. HARAGAN.



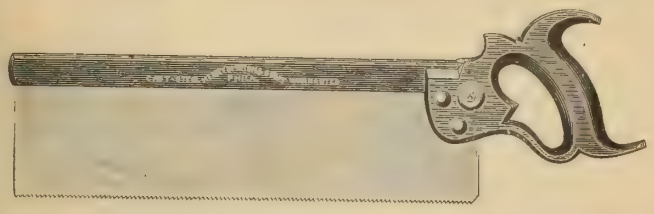
Closest prices on Coiled Spring Wire to the trade.

The London Fence Machine Co., Limited London, Ont.

HENRY DISSTON & SONS,

Keystone Saw, Tool, Steel and File Works,

PHILADELPHIA, PENN., U.S.A.

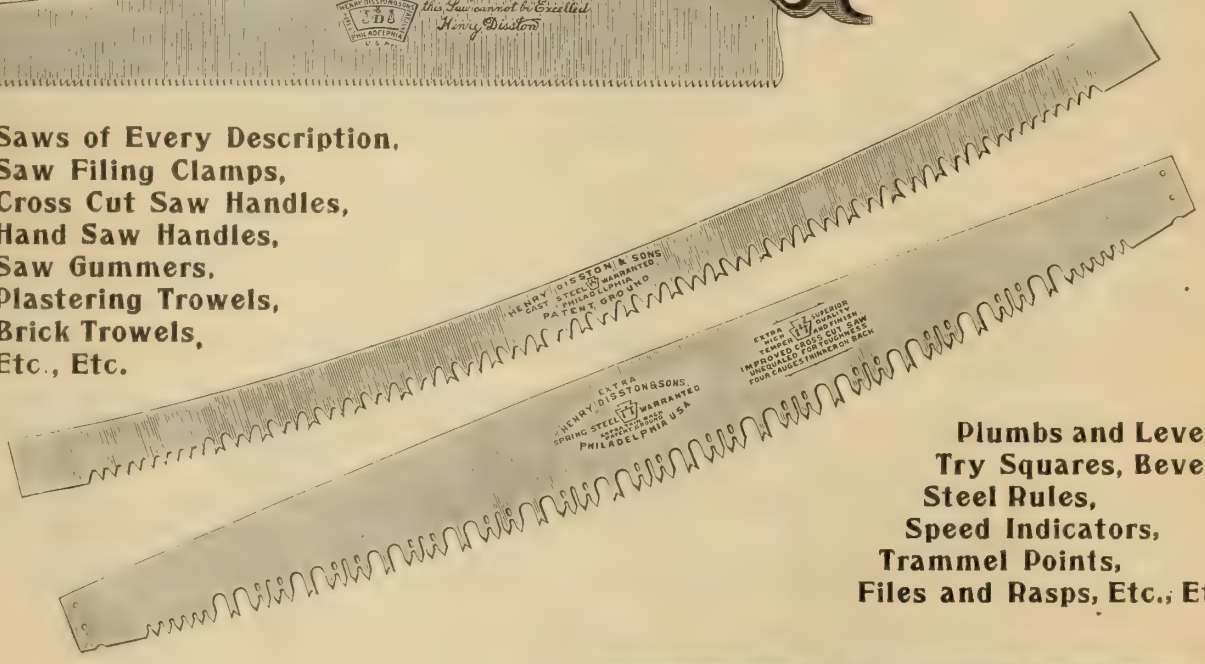


Orders intrusted to
Lewis Bros. & Co., Montreal,
will receive prompt attention.

JAN 11 1902
all to Mont office



Saws of Every Description,
Saw Filing Clamps,
Cross Cut Saw Handles,
Hand Saw Handles,
Saw Gummers,
Plastering Trowels,
Brick Trowels,
Etc., Etc.



Plumbs and Levels,
Try Squares, Bevels,
Steel Rules,
Speed Indicators,
Trammel Points,
Files and Rasps, Etc., Etc.



Send us your orders for
SEASON 1902.
LEWIS BROS. & CO., MONTREAL.



LEWIS BROS. & CO.

AGENTS. MONTREAL.

The Selling Qualities

Of our splendid range—

The Imperial Oxford

make them the most desirable stock you can handle.

THEIR DIFFUSIVE FLUE CONSTRUCTION
FRONT DRAW-OUT GRATE
OVEN THERMOMETER
DRAW-OUT OVEN RACK

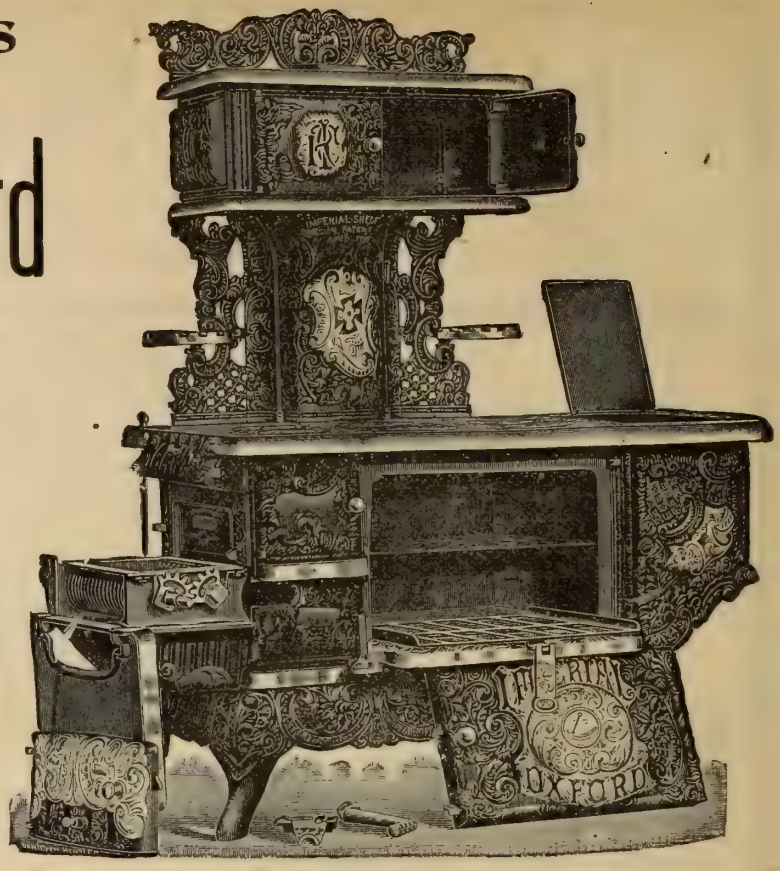
and other improved features, give them a quickly appreciated precedence over other ranges.

Housewives everywhere praise them enthusiastically.

Customers realize their superiority on sight—sales are easy.

They're the popular range of Canada.

Send us your Spring order now and be ready in time for early business.



THE GURNEY FOUNDRY CO., Limited

TORONTO. WINNIPEG. VANCOUVER.

THE GURNEY-MASSEY CO., LIMITED, MONTREAL.

WESTERN ASSURANCE COMPANY

Incorporated 1851.

Fire and Marine

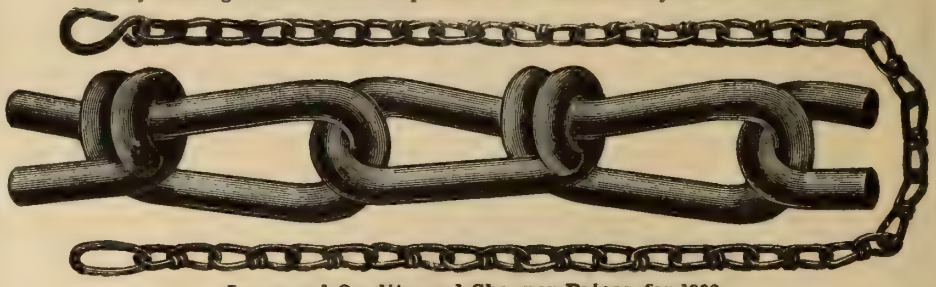
Capital - -	$2,000,000.00
Assets, over - -	2,900,000.00
Annual Income -	3,000,000.00

Head Office: TORONTO, ONT.

Hon. Geo. A. Cox, President. J. J. Kenny, Vice-President
C. C. Foster Secretary.

IMPROVED STEEL WIRE TRACE CHAINS.

Every chain guaranteed. Most profitable and satisfactory chain to handle.



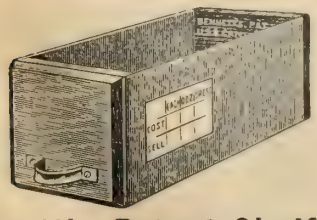
Improved Quality and Cheaper Prices for 1902.

THE B. GREENING WIRE CO., LIMITED

HAMILTON, ONT., AND MONTREAL, QUE.

After Stocktaking

in the quiet time is the opportunity to equip with



Bennett's Patent Shelf Box

Write for our new discount sheets containing lower prices and 7 varieties in Shelf Boxes.

J. S. BENNETT, Patentee and Manufacturer,
15 MARION ST., **TORONTO**

Dundas Axes

One customer writes: "We have found your Axes the best we have ever handled." Another writes: "Duplicate the shipment made us July 4th." Another says: "We sell the 'Crown Jewel' at $1.00 and it goes every time."

DUNDAS AXE WORKS

Dundas, Ont.

W. L. Haldimand, Jr., Agent, Montreal.

The Robin Hood Powder Company

If you want the best Trap or Game load in the world, buy "Robin Hood Smokeless," in "Robin Hood" Shells. It is quick, safe, and reliable. Try it for pattern and penetration from forty to seventy yards against any powder on the market. We make the powder, we make the shells, and we load them. Write for our booklet, "Powder Facts."

The Robin Hood Powder Company

SWANTON, VT.

AMERICAN SCYTHES.

Hubbard & Blake's and Isaiah Blood's } Celebrated Scythes

PRICES NO HIGHER THAN CANADIAN—QUALITY BETTER.

If you want them and your Jobber has not got them write to us.

Thos. C. Collins & Sons
301 St. James St.
MONTREAL
SALES AGENTS FOR CANADA.

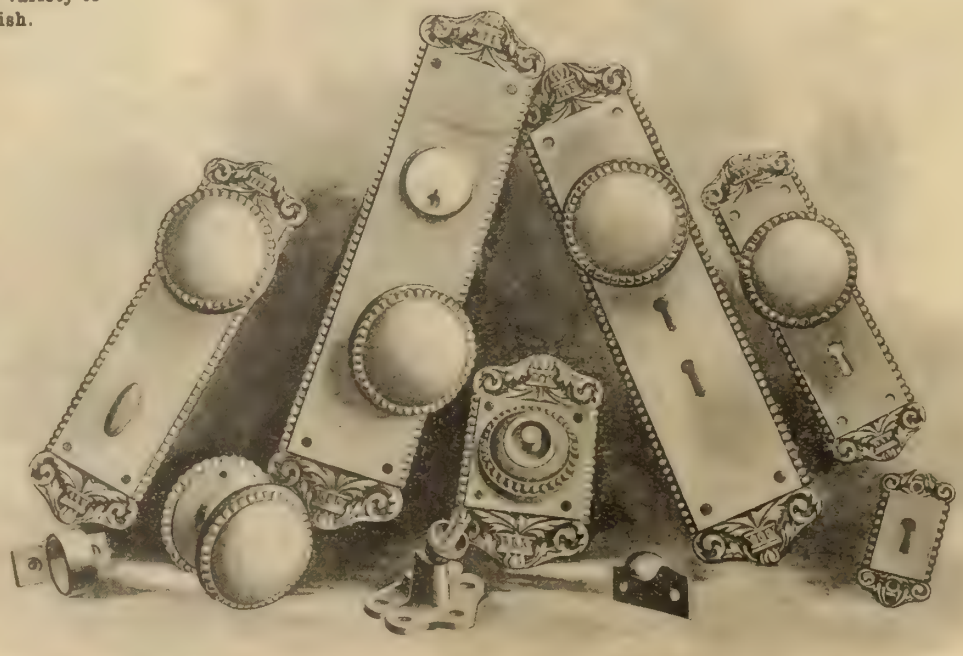
American Axe & Tool Co.
253 BROADWAY,
NEW YORK, N.Y.

LOCKS and BUILDERS' HARDWARE

Made in great variety of design and finish.

Catalogues and price list mailed on application.

THE LARGEST MAKERS IN THE DOMINION.



The Gurney-Tilden Co., Limited, - Hamilton, Canada.

We are now mailing our 1902 Illustrated Catalogue and Price List—acknowledged to be the most up-to-date in the trade.

If you do not receive a copy, drop us a card.

The Imperial Varnish & Color Company, Limited

TORONTO, ONT., CANADA

Do not close for next season's paint until our travellers have had a chat with you. We will have the ground covered thoroughly in good time for the Spring trade.

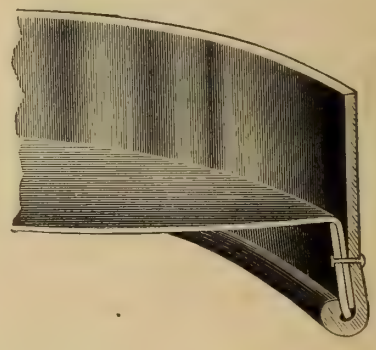
"ARK BRAND PAINT"

is establishing itself with the best Canadian merchants, because its quality backed by our guarantee makes it easy to sell. You will handle it too when you learn more about it.

THE **FRANCIS-FROST C°.** Limited
TORONTO.

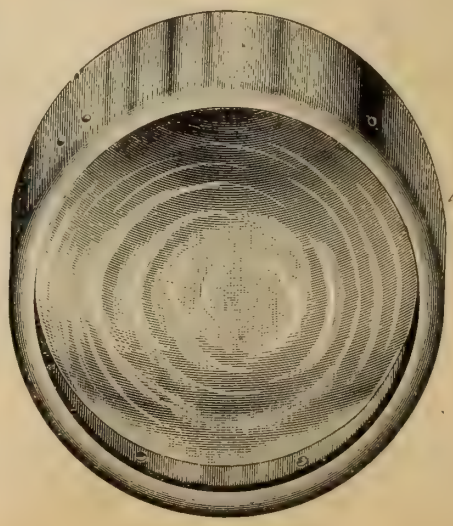
Canadian Distributing Agents for Grippin's Crack Filler.

KEMP'S Broad Hoop Roll Rim Milk Can Bottoms



possess all the points which go to make perfection in Can Bottoms. They have been used by a criticizing public for three seasons, and their popularity is evidence of the satisfaction which they gave. The Roll Rim has no sharp turns which break the grain of the metal and lessen its wearing qualities. It has a broad wearing surface and will not damage floors. They do not cost more than an inferior Bottom. **The IRON-CLAD TRIMMINGS** are made the same as the broad hoop, and differ from them only in having a narrower and thicker hoop which does not require the Roll Rim, and, therefore, can be sold cheaper. For durability and finish our trimmings are unequalled.





Manufactured by

KEMP MANUFACTURING CO.,
TORONTO, CANADA.

HARDWARE AND METAL

VOL. XIV. MONTREAL AND TORONTO, JANUARY 11, 1902. NO. 2.

President:
JOHN BAYNE MacLEAN,
Montreal.

The MacLean Publishing Co.
Limited

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P.E. Island and Newfoundland.

OFFICES.

MONTREAL - 232 McGill Street. Telephone 1255.
TORONTO 10 Front Street East. Telephone 2701.
LONDON, ENG. - 109 Fleet Street, E.C. W. H. Miln.
MANCHESTER, ENG. - 18 St. Ann Street. H. S. Ashburner.
WINNIPEG Western Canada Block. J. J. Roberts.
VANCOUVER, B.C. - - - - Flack Block. J. A. Macdonald.
ST. JOHN, N.B. - - No. 3 Market Wharf. J. Hunter White.
NEW YORK - Room 442 New York Life Bldg.

Subscription, Canada and United States, $2.00.
Great Britain and elsewhere - - - 12s.

Published every Saturday.

Cable Address { Adscript, London. / Adscript, Canada.

WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

TORONTO LOSES A GOOD CITIZEN.

BY the death of the late Walter S. Lee Toronto loses a good citizen whom she can ill afford to lose. He was a type of the man all too rare in this Canada of ours. A business man every inch of him, yet a public man esteemed by all shades of politicians, and respected by all classes of citizens.

The greater part of his useful life was spent in that great school of finance and commercial training, the loan and savings institutions, to say nothing of the experience he gained in his connection with the Board of Trade, the Toronto and Nipissing Railway and the Toronto Industrial Exhibition Board. In 1864 he became manager of the Western Canada Loan and Savings Co., and 23 years later managing-director. At the time of his death he was the general manager of the Canada Permanent and Western Canada Mortgage Corporation, the company that was formed in 1899 as a result of the amalgamation of the Canada Permanent Loan and Savings Co., the Freehold Loan and Savings Co., the Ontario and London Loan and Investment Co., and the Western Canada Loan and Savings Co.

Great as were the demands of his business connections upon him, the late Mr. Lee took a great deal of interest in the affairs of the city of Toronto, and particularly in its educational institutions. For 35 years he was a member of the Public School Board, during several years of which he occupied the honored position of chairman. And on Monday last his name was on the ballot paper for reelection, he having died near midnight on Saturday, and after the ballots had been printed. He also served some years as a member of the Collegiate Institute Board, and the chair there fell to his honor. The presidency of the old Mechanics' Institute and the chairmanship of the Toronto General Hospital were among the many other public positions which were bestowed upon him.

The deceased came from good commercial stock, his father, the late Ald. Joseph Lee, being a general merchant in York. Messrs. A. B. Lee, president of Rice Lewis & Son, Limited; Thomas H. Lee, wholesale jeweller, and Alexander Lee, of The Copp, Clark Co., are brothers of deceased. As a business man the reputation of Mr. Lee was high, and as a public man no one in Toronto was more respected.

CANADA AND CORONATION MEMENTOES.

MANUFACTURERS and others in Great Britain are busy preparing novelties and mementoes for the coronation festivities, and in the trade and daily newspapers are to be found many advertisements drawing attention to the different lines.

It is certain that a demand will be found in this country for some mementoes of the occasion, an occasion new in the experience of most of us. But, as far as we can learn, nothing is being done by the home manufacturers to cater to the demand. If they intend doing anything it is high time they were beginning.

And not only does it appear to us that the manufacturers of this country should make preparations for the home trade, but it is possible that something might be done in the British market as well.

Canada is just now much in the public eye in the Mother Country, and ingenious manufacturers ought to be able to devise a number of lines emblamatic of the Dominion which would sell readily in the United Kingdom while the coronation proceedings were occupying the public mind.

There is, however, no time to lose. Those who would act must act now.

A good many men are cyphers in the world because they have not the ambition to cut a figure in it.

THE BINDER TWINE OUTLOOK.

PRICES on binder twine for the ensuing season have not yet been issued by the Canadian makers; but it is expected they will be in about ten days or two weeks. We have not been able to ascertain what they will be. One thing, however, seems certain, they are not likely to be low.

Stocks carried over from the season of 1901 are unusually small; in fact, we understand they are practically nil. This, of course, is the result of the heavy grain crop of Manitoba and the Northwest Territories, when every pound that could be procured was wanted.

The season was also an unusually good one in the United States. The Cordage Trade Journal, of New York, in its issue of January 2, says that the "binder twine business for the harvests of 1902 will be practically all confined to the year 1902, for the new year opens with few sales of twine for delivery this season actually made." The same authority says that no general quotations have yet been made by even the largest factors, but gives the following as the nominal figures f.o.b. eastern points:

White sisal (500 ft. to lb.).....10 to 10½c.
Standard (500 ft. to lb.).....10 to 10½c.
Standard manila (550 ft. to lb.) ....10½ to 11 c.
Manila (600 ft. to lb.).....12¼ to 13 c.
Pure manila (650 ft. to lb.).....13¼ to 13½c.

By far the most important feature of the situation is the strength of the fibre market. Referring to this, The Cordage Trade Journal says: "Those who do not lose track of events in the fibre market after they have purchased their binder twine, know that the price of sisal fibre began to advance in August last, before the lowest figures of the previous year had been touched, and that manila fibre quotations started advancing in September. Since the advances were inaugurated there has been no important weakness shown by either fibre. In a few weeks the quotations for both manila and sisal had reached figures higher than were touched at any time between July 1, 1900, and July 1, 1901."

The spot price of manila fibre in New York is 3⅜ to 3½c. per lb. higher than it was at the beginning of 1901, and for shipment 4⅜c. higher. Sisal fibre is 2½ to 2¾c. higher than a year ago.

That the outlook, not only for binder twine, but all other products of sisal and manila fibre, is strong, is quite evident.

CONFERENCES BETWEEN BUSINESS MEN AND THEIR EMPLOYES.

QUITE a number of manufacturers and other classes of business men hold conventions with their travellers, heads of departments and other employes during the holiday season when trade is quiet. It is surprising that more do not do so.

When we see that the firms most zealous in this particular are those that are the most progressive and successful we cannot but be impressed with the idea that such conventions must be helpful.

We do not claim that to these conventions must be ascribed the success of the firms with whom they are peculiar. They are the outward and visible sign that the firms who annually utilize them are of a progressive type and possess the wisdom to utilize the opportunity of meeting their travellers and heads of departments at least once a year and discussing ways and means of promoting business.

We believe that this is a principle which is applicable to all business houses, no matter whether their employes be many or few; in fact, the smaller they are the more readily can the machinery be handled. For example, a retail merchant could have a little conference with his clerks, drivers and bookkeepers once a week with little or no inconvenience to anyone. At these conferences such subjects as the most salable and profitable goods to handle; the best methods of dealing with certain customers, and ideas for window dressing and advertising might be discussed with advantage to both employer and employe. But these are only a few of the many subjects that might be discussed.

Whether such conferences are held at short or long intervals, a definite time should be fixed for holding them. With the time fixed, all would be looking forward to it, and in looking forward they would also be fortifying themselves with suggestions and schemes. Some tangible recognition of such suggestions and ideas as are deemed the most practicable for the firm to adopt would undoubtedly stimulate the efforts of the employes.

We would like to hear from some of our readers in regard to this suggestion. We invite clerks and others, as well as employers, to contribute.

DECLINES IN BUILDERS' HARDWARE

A number of American travellers have been on the Montreal market during the past week, and the prices they quote on builders' hardware are, in many cases, lower than those now prevailing. Prices in this market will, of course, be altered to suit those quoted by representatives of American houses, so that on some lines we may expect declines in prices in the near future. These will not likely be very marked, but, such as they are, they will be welcomed by retailers. Just what lines will be affected by this it is difficult at present to determine. In a few instances, in fact, the new quotations given are higher.

IMPORTANT CHANGES IN WHITE LEAD.

Quite an important change is announced this week in the price of white lead. In Montreal, the price has been reduced 12½c. per 100 lb., and in Toronto, 25c. per 100 lb. By this arrangement prices are the same at Montreal, Ottawa, Toronto, Hamilton, London, Windsor, Ont.; St. John, N.B., and Halifax, N.S. Formerly, it will be remembered, there was a difference of 12½c. between eastern and western points.

Quotations f.o.b. the above points are now: Pure, $5.87½; No. 1, $5.50; No. 2, $5.12½; No. 3, $4.75; No. 4, $4.37½ per 100 lb. These quotations are for any quantity, except for packages of less than 25 lb.

DROPS FROM THE EDITOR'S PEN.

The out-of-date man is twin brother to the lazy man.

—

He who imitates is usually lacking in brains sufficient to initiate.

—

A man without ambition, like an engine without steam, is stationary.

—

Market reports are guiding stars to merchants who watch them.

TRADE IN COUNTRIES OTHER THAN OUR OWN.

IRON TRADE SITUATION.

THE new year opens with the iron trade still under the pains of prosperity and destined to be hobbled for many weeks by the breaking down of transportation agencies. There has been little in the developments of the week to suggest the closing of a year's business. Buying has gone right on and the iron trade has crossed the line under a pressure ordinarily found in the active consuming period of the year. Not that the buying is what it was some weeks ago, but the comparison is with the quiet time that usually precedes inventory. The coke embargo upon blast furnaces has reached an acute stage. In the Chicago district 11 furnaces were idle early this week, in the Mahoning and Shenango Valleys, 20, in the Pittsburg district 12, of Southern Ohio 3, several in Virginia and Alabama, in Cleveland 2, while in other districts there is a light cutting off of production by banking for a portion of the week. The locomotive works, which are now driven to their utmost, must be looked to for relief. The market activity of the week has been shared by all lines except the few affected by the season. Pig iron has advanced, Bessemer, foundry and gray forge selling from 25 to 50 cents higher. Buying of smaller quantities of Bessemer has followed the large contracts reported last week, and $16. Valley furnace, is now the basis for round lots, as high as $16.50 in the Valley being paid. Basic iron has advanced to $15.75. Valley furnace, northern gray forge to $15 at furnace, and No. 2 foundry to $15.50 at Valley furnace. Southern furnaces that have maintained $11.50 at furnace for No. 2 followed the advance of the minority on Monday of this week, and now quote $12. Though foundries were supposed to have covered generally for the first half there is still considerable buying, some of it for the entire year, with indications that not a few are contracting to make sure of deliveries, rather than to cover contracts in hand. It was only so recently as 1899 that this sort of buying left the furnaces practically without new business through the following year.—Iron Trade Review, January 2.

OILS, PAINTS AND DRUGS IN 1901.

In its review of the oil, paint, drug, chemical, dyestuffs and kindred trades in 1901 The Oil, Paint and Drug Reporter notes that as the year 1901 advanced and the business of each month was compared with that of the corresponding month of the year preceding it was found that there had been a gain, and the close of the year proves 1901 to have been a record year, exceeding all its predecessors for the volume of business and the prosperous condition of the merchants and manufacturers of the country. The year has been notable for the discovery of new processes, labor-saving devices, and by the largely increased volume of trade. Taking the principal trades separately, it is found that while speculative operations have not been so large as in previous years, there has been a healthy growth in the purchase and sale of drugs, while both the exports of indigenous drugs and manufactured products and the imports from foreign countries show a goodly gain. In the line of chemicals there has been an extraordinary increase in production of some articles, thus displacing large quantities which had formerly been imported. The consumption of nearly all classes of chemicals has increased at a rate far exceeding the increase shown by any preceding year, while the larger number of establishments is evidence of this growth. The manufacturers of and dealers in dyestuffs have also cause for congratulation, though the increase in this line has not been so great. The manufacture of various new dyeing materials, however, has kept well abreast of the times. The trade in paints, which early in the year was feared would not prove so satisfactory as during the year preceding, increased later, and for once the old saying that "trade once lost cannot be recovered" appeared at fault. The general prosperity extended to paints perhaps a little tardily, but the almost universal report now is that the volume of business of the past year greatly exceeds that of the year preceding. To find the increase in the oil business it is only necessary to glance at the record of exports, and that there has been a large increase in home consumption may be taken without saying. A continuance of satisfactory conditions is looked for.

FINISHED MATERIALS IN ENGLAND.

There are few, if any, fresh developments to report in the market for finished materials. The position of makers at the end of this year is not entirely satisfactory, for although they have a fair number of orders on hand still, yet the new business coming forward lately, has not been of sufficient weight to warrant any very confident views as to the course of trade on the resumption of business after the holidays. In some districts the competition of Continental and even Canadian material is being felt a good deal. In Manchester, for instance, the effect of Canadian competition on local brands is widely discussed. It is pointed out that the $2 bounty given by the Dominion Government, practically covers the cost of carriage to this country, and Canadian makers are, consequently, put in a position to compete keenly with the English manufacturer. There is no change to note in the bar trade, except that as we noted last week the demand for common iron in South Staffordshire seems to be falling away a little; but the basic price is still maintained at £7, although buyers are offering less, and best bars are selling fairly well at the full figure—£8 10s.—Iron and Coal Trades' Review.

PIG IRON IN GREAT BRITAIN.

The most notable feature of the pig-iron market during the past week, perhaps, was the remarkable collapse in Scotch warrants on Friday of last week, which was attributed to the tragic death of a well-known London metal broker, followed by an announcement of the failure of a well-known London firm. The market was apparently "hammered" by bears at Glasgow, and Scotch warrants went down to 48s. 7½d. cash, as against 55s. 7½d., the quotation in our last issue—a drop of 7s. in little more than a day. Cumberland warrants were also affected, and have not since recovered. In regard to makers' iron, trade during the few days during which business was done, was not brisk, and prices remained at about the same level; but had for the most part a somewhat weaker tendency. Not only ordinary pig, but hematite, has developed a slow tone, and prices show little of the strength which marked them up till about a fortnight or three weeks ago, when the fall which has since taken place commenced. There is a scarcity of grey forge pig in the Cleveland district, and buyers have been paying for it as much as they will give for No. 3.—Iron and Coal Trades' Review.

WELSH TINPLATE TRADE.

With the exception of stoppages for coal, the Welsh tinplate trade is said to have never been brisker than at the present time. The most satisfactory feature of this industry is stated to be the development which has taken place in the direction of seeking new markets for tinplates. It is confidently believed that after the conclusion of the war, there will be a splendid market opened in South Africa. The smelting works at Briton Ferry steelworks and at the Albion works at the same place are reported to be in full operation, which is the case with the tinplate works in the same locality.—Iron and Coal Trades' Review.

DEATH OF MR. G. CRAWFORD.

The Canada Paint Co., Limited, record with deep sorrow the decease of their esteemed representative, Mr. Gabriel Crawford, which took place at his home, St. John, N.B., on the 6th inst.

Mr. Crawford's fine personality and sterling integrity endeared him to many friends, who are deeply sensible of the loss sustained by his death.

The officials and travellers of The Canada Paint Co. feel the passing of Mr. Crawford very keenly, as he was extremely popular, not only with them but with every employe of the company. His name was a household word throughout the Maritime Provinces, and The Dominion Travellers' Association, of Montreal, lose an active worker and friend, he having been connected with that organization for 17 years.

Mr. Robert Munro, manager of the company, left on Tuesday, to attend the funeral at St. John.

THE LATE MR. RUTLEDGE.

There passed away in Toronto at an early hour on Monday, the 6th instant, one of the best-known hardwaremen in Canada, in the person of Henry George Rutledge. Several months ago deceased received a paralytic stroke, from which he never fully recovered, and on the 1st instant still another was received. This one proved fatal.

Deceased was for many years buyer for M. & L. Samuel, Benjamin & Co., retiring from that position a couple of years ago when that firm sold out the hardware branch of its business and confined itself to metals.

The announcement of his death will be received with a great deal of regret, not only by the hardwaremen in Canada, but by a good many manufacturing firms in the United States who were brought into contact with him during his many years of active connection with the wholesale hardware trade.

At the time of his death the deceased was in his 63rd year.

HOW BUSINESS SUCCESS MAY BE WON IN THE 'TWENTIETH CENTURY.

By Charles R. Flint - - - - In Saturday Evening Post.

THE specialist will be the dominating force in the business world of the 20th century. The road to success lies along that line. Let the young man who starts out in life to-day or to-morrow concentrate on one thing, and he has the golden key.

The day of the all-round man is over. New conditions have come into business life; and they have come to stay. These new conditions are unfavorable to the man who can do half a dozen things. He must master one business.

UNDER THE READJUSTMENT

there is no place for the all-round man. Nobody wants him, nobody cares for his peculiar kind of ability. Industries have been rearranged. They are now separated into departments instead of plants. At the head of each department is wanted a man who knows all about this particular division, who has concentrated his entire mind and ability on its requirements and possibilities, who is, in fact, a highly trained, highly developed specialist. Men like these are scarce to-day. Hundreds of institutions are looking for them. Salaries ranging from $5,000 to $15,000 are waiting for them. My own concern is looking for half a dozen specialists to-day, rubber men, lumber men, etc. We would cheerfully pay them $5,000, a year, and even more cheerfully $15,000, for a $15,000 man is a great deal more valuable to his concern than the $5,000 man. But he has got to be a $15,000 man. Naturally he is not plentiful.

Business in a concrete form has existed as long as the world's record runs, and until recently its course of development has been practically the same as in the beginning. Now, however, we are suddenly

FACE TO FACE WITH A NEW SCHEME

There has been a complete revolution. It is doubtful if the mass of the people appreciate this, yet it is palpable to the man who has his eyes open as is the knowledge that to-day electricity is the motive power of the world. In a few years we shall wonder that we continued in our own time the crude business system of our forefathers.

Let no man delude himself with the belief that we shall ever again go back to the old methods. As soon might we expect to see the electric cars put away in the sheds to give way to the old stages. And unless the boys who are starting out in business life appreciate this and train themselves accordingly, they will be woefully handicapped.

THE NEW METHOD

is the scientific, the civilized one. It is built on the knowledge of the interdependence of men. It explodes the fallacy of "independence." There can be no independence in the world except among savages; the wild man is the only human being who is really independent. The moment you get away from the savage state you leave independence behind. All government, all society are interdependent. The new business idea, call it the "trust," if you will, recognizes this principle and develops it to its highest form. That this recognition did not come long ago simply argues a backward mental state. The old order of "independence" in business ranks with the times when every baron was independent, when he levied on the crops of his feudal retainers and was the master of their lives and families. As constitutional, scientific government has come to supplement the feudal system, so the "consolidation era" in business has come to supplant the old system.

CONSOLIDATION IN BUSINESS

has bred the demand for the specialist, and as consolidation grows, as it will, the demand for specialists will grow. That it is subversive of independence and manhood is absurd. The man who directs a department for a big corporation to-day is more independent than he could possibly be under the old conditions when he went into business for himself. He is not worried with the financial troubles and a thousand-and-one details that consumed his time without adequate return. He devotes all the time he has to that which he can do the best. Naturally the result is higher production, and a consequent betterment for the world dependent on production. Nor does the new systen make for concentration of wealth, as is so generally stated. The reverse is the fact. Out of my experience this is proven. When I was in

BUSINESS UNDER THE OLD SCHEME

there were two profit sharers in the firm, my partner and myself. Everybody else connected with our business was a salaried employe. They had no share in the earnings. Everything they produced they produced for us. Later another partner was added, but there we remained. And what is the condition now? I have 300 partners, men who share in the profits of the concern, and who are interested in preventing losses. Last year $150,000 in profits was divided among the heads of departments with us. Our clerks own $60,000 worth of stock in our establishment. Carnegie, the greatest business man in the world, has 32 partners, young men, who, having demonstrated their fitness for special lines of work, were given interests. And we are in the infancy of the new order of things.

THE CORPORATE SYSTEM.

Such a distribution of interest is impossible only under a corporate system. No man in his senses would dare risk business association with 300 men under the old partnership plan, where anyone of the 300 might involve the firm. Therefore the business remained a close corporation: the good things were distributed among relatives when they were distributed at all. Now everybody comes in on his merits. There are stock allotments, so that the able, frugal, painstaking man may almost any time acquire an interest. That this works to the interest of the man controlling the corporation is made evident from the better service we get. Almost any evening you may see clerks at work in our office. They put in this overtime because of the interest they take in the affairs of the house under the new conditions. It is never required of them that they work out of hours. It is entirely voluntary.

ALL WORK FOR THE GENERAL SUCCESS

All these things work for the general success of the business by the modern methods, and they emphasize the necessity of preparing to work under the methods. Naturally where there are great consolidations the work must be systemized. Production falls into departments, and at the heads of these departments must be specialists. The science of consolidation is not to bring competing interests together in order that prices may be raised. That is a foolish system and can only beget more competition. A combination to be persistently successful must be so managed that the same goods or better goods, may be produced at lower prices. This can only be brought about by scientific supervision. And there is the source from which springs the demand for expert specialists. It is for the young men to take advantage of this demand.

Of course, the young man who starts out with an inherited fortune is not constrained to follow this plan. He can diversify his interests. It is the part of wisdom for him to do so. He protects himself if he is not dependent on one industry alone. But even a rich man's son might very well train himself as a high class specialist. It will give him knowledge and power that in after life may prove exceedingly useful.

AN EXAMPLE.

J. J. Hill, President of The Great Northern Railway, is a magnificent example of the possibilities that lie before a specialist. Mr. Hill is a specialist, has always been a specialist. He has devoted his entire time, attention and ability to railroading. He is to-day the greatest railroad operator in the world. There is nothing about the business that he doesn't know thoroughly. He has studied the business from A to Z, and is master of all its details. Thanks to this thorough knowledge Mr. Hill has made himself one of the richest men in America.

Capital is always eager to associate itself with such men, but capital is mighty shy in having to do with men who are not master specialists. In my own case I always insist that my associates shall be specialists. I am always open to a good business enterprise, but I make sure that the men who are to handle the enterprise know all about it. And I also insist that they go into nothing else. It is distinctly stipulated in all our business contracts that the men in charge of our lumber interests have no other interests, that our rubber men con-

WIRE NAILS
TACKS
WIRE

Prompt Shipment

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

fine themselves to rubber, and so all along the line. It is to this rule and its enforcement that I attribute much of the success we have met with in our business enterprises. It has brought and holds for us a class of thoroughly trained specialists whose minds dwell continually on the one thing in which they are engaged. Thus we get better results than do concerns whose managers have to diversify themselves.

AMBITION.

Everybody who amounts to anything is ambitious. He wants to get to the top, to become rich, to control things; to be a power. This laudable ambition under the new way of the business world, will prove exceedingly dangerous if it leads the young man into general industries. In the formation period it was possible for men to go into different things and carry them through successfully. I, myself, for example, without any particular qualifications as a specialist, have been enabled to aid in organizing a number of diverse industries. But the situation with me was peculiar and unusual. I had been for years a member of a large commission firm which was the largest buyer in the United States of general manufactures for export. We handled evetything from needles to locomotives. When the era of consolidation came I was in a position to deal intelligently as the representative of the different interests. I knew all the principals from years of business association, and, in a superficial way, I was familiar with the requirements and shortcomings of the various industries.

Now the formation period is practically over. We have settled down to doing business under the new plan. We have done very well so far; we are going right along the same line. Nothing can stop the development and expansion of the new trade scheme. The business of the world is going to be divided up more and more into departments.

Success is to be won in getting at the head of one of the departments. It is the 20th century method.

Wise Preparation

for the painting season that will soon be here, means a good stock of

THE SHERWIN-WILLIAMS PAINT

We are planning for the biggest year we have ever known. We believe there will be more painting done this year than ever before, and we mean to get our share of the business. We have prepared for a big season.

If you join with us you can get the lion's share of the trade in your locality. We'll give you the methods and advertising to get it and the paint to hold it after you once get it.

There's money for you in our paint agency proposition. If you want to investigate send for our "B-13 Booklet," free, but full of valuable information for wide-awake paint dealers.



THE SHERWIN-WILLIAMS CO.

PAINT AND VARNISH MAKERS.

CLEVELAND.

CHICAGO, NEW YORK, NEWARK, MONTREAL, BOSTON, TORONTO, SAN FRANCISCO. KANSAS CITY.



MARRIAGE OF A HARDWAREMAN'S DAUGHTER.

THERE was an interesting home wedding in Tottenham, on December 26, when Maude, the only daughter of L. P. Foucar, hardware merchant, was married to Mr. H. J. Strong, of Windsor, Ont. The ceremony took place in the parlor, which was softly lighted by candles and decorated with holly, a sprig of mistletoe being suspended immediately above the bride. Rev. Mr. I. Couch was the officiating clergyman. Miss Nellie Large, of Alliston, acted as bridesmaid, and Mr. Strong was assisted by his brother, Albert, of Toronto. As the bride entered the drawing room Lohengrin's wedding march was played with beautiful effect by Miss Maude Strong, sister of the groom. The bride was gowned in her travelling suit of navy blue camel's hair cloth and tucked with white taffeta blouse with chiffon applique trimmings, and carried a shower bouquet of white 'mums' and sacred lilies. Her going away dress included a navy blue taffeta silk blouse. Her hat was of white camel's hair felt, trimmed with navy blue panne velvet and white dove and ospreys. The bridesmaid was attired in a pale blue foulard silk gown. The groom's gift to the bride was an excellent fleurs de-lis brooch, set with pearls, and to the bridesmaid a pearl stickpin. The bride was also the recipient of many handsome and useful presents. At the conclusion of the ceremony the bride and groom received the hearty congratulations and good wishes of those present, after which all sat down to a wedding dejeuner very daintly served by Mrs. Crossland, caterer, Barrie. The guests were only the near relatives and intimate friends of the contracting parties, and included the following: Mr. and Mrs. J. G. Strong, Mrs. C. Bingham, Mr. Arthur Strong and Mr. W. E. Bulmer, of Toronto; Miss Bertha Nicol, of Tottenham; Miss Davis Ivy, Miss Pringle and Miss L. Elliott, Newmarket; Mrs. Wickens, Barrie; Mr. T. E. Langford, Shelburne; Mr. J. McCullough and Mrs. E. Munro, Hamilton; Dr. Hoggan, Windsor; Mr. and Mrs. R. E. Strong, Fernie; Mr. and Mrs. W. L. Newsom, Vancouver, B.C.; Mr. and Mrs. W. K. Foucar, Bradford. After the luncheon a very enjoyable time was spent in complimentary speeches and toasts and the happy couple departed amid a shower of good wishes extended in a very hearty way.

ENTERTAINED THEIR TRAVELLERS.

H. S. Howland, Sons & Co. entertained their travellers at luncheon on Saturday last at McConkey's, at the conclusion of which a conference on business matters was held.

TORONTO BOARD OF TRADE'S NEW SECRETARY.

The Toronto Board of Trade has appointed Paul Jarvis, as secretary, to succeed Edgar A. Wills, who has resigned his position to accept a situation with Hiram Walker & Co., Walkerville, Ont. The new secretary will enter upon his duties on January 15. He was educated at Trinity College School, Port Hope, Ont., and Upper Canada College, Toronto. His business career was started in the Dominion Bank. He has been in Winnipeg, and also in Buffalo, where he was chief accountant of The World Medical Dispensary Association, of Buffalo, and had charge of from 300 to 400 employes.

Mrs. Gray was appointed as assistant secretary. She has been in the secretary's office for nine years in the capacity of head clerk, and has proved herself a valuable and efficient official.

BAINES & PECKOVER.

R. A. Baines, manufacturers' agent, has removed from 39 Scott street to 124 Bay street, Toronto. He has taken Mr. C. R. Peckover into partnership, under the style of Baines & Peckover. The firm will carry a larger stock of the different lines it handles, with the addition of wood screws. The latter are made by The Chalcraft Screw Co., Brantford, Ont., who have recently gone into that branch of manufacture.

CATALOGUES, BOOKLETS, ETC.

THE B. GREENING CO.'S CATALOGUE.

We have received from The B. Greening Wire Co., Limited, an advance copy of their annual calendar for 1902. There is very little change in its make-up, the leading features being good bold type that can be read from some distance. The extra spaces of each month are filled in with attractive cuts illustrating the principal seasonable lines of manufacture.

We are pleased to hear that this enterprising firm have had a very successful years' business and prospects are bright for the coming year.

They report that some important changes are contemplated and being made. Contracts will be signed in a few days for the erection of fine new offices. Plans are being prepared for a large new paint tower that will contain all the latest improvements. They have just installed a new and up-to-date plant for the manufacture of poultry netting, lawn fencing, etc. Their last catalogue was issued in 1900 and should be in every hardware merchant's office.

GREETINGS FOR THEIR FRIENDS.

By way of extending their wishes and congratulations for the new year, the Dominion Radiator Co., Limited, Toronto, are issuing a neat and attractive folder and sending it to their friends and patrons. On the front cover is the picture of Old Time marching away with his sickle over his shoulder and his hour glass in his hand. In his rear is the figure of a red jacketed young woman standing fast to a Safford radiator. The motto engraved on it reads: "Time Flies, Safford Stays Forever."

SNOWDON & PATERSON'S CALENDAR.

Snowdon & Paterson, manufacturers' agents, Montreal, who represent firms having headquarters in Toronto, Montreal, London, England, and Glasgow, Scotland, have issued a neat calendar this year with the names of the firms they are agents for and their lines of goods carried by them printed thereon.

A VARNISH FIRM'S CATALOGUE.

The Imperial Varnish and Color Co., Limited, Morse street, Toronto, make a specialty of manufacturing high-grade varnishes. Their stock comprises all kinds, from the finest piano, boat and casket to agricultural implement and common house varnishes. Besides, they carry in stock a full line of dry colors, enamels and japans. Their new price list for 1902, just issued, has a neatly-embossed cover, with a neat design of a maple leaf and monogram in front, underneath is the firm's name in gold letters on a bluish background, surrounded by a gold border. Inside are views of the company's premises and of the various departments from the filter and melting to the storage tank rooms.

A USEFUL SOUVENIR.

The Canada Hardware Co., Limited, Montreal, are distributing among their friends a neat and useful New Year's souvenir in the shape of a celluloid-covered note-book. Besides blank space, it contains a good deal of interesting information of a general and particular nature. Readers of HARDWARE AND METAL can secure copies upon inquiry, mentioning this paper.

THE NEW MONTREAL SECRETARY.

Mr. E. H. Cooper, who during the last 18 months has been a member of the editorial staff of HARDWARE AND METAL, in Montreal, has severed his connection with this paper for the purpose of assuming the secretaryship of the Montreal branch of the Canadian Manufacturers' Association. While regretting that Mr. Cooper has severed his connection with our staff, we must congratulate the Manufacturers' Association on securing his services. He is energetic and has a large fund of commonsense. This, with his journalistic and university training, should make him a valuable secretary to such an important body as the Canadian Manufacturers' Association.

During this year nearly 17,000 bbls. of dynamite have been handled in Hull, Que., without a single accident.

TRADING-STAAMP LAW IN FORCE.

THE Act passed at the last session of the Ontario Legislature prohibiting the use of trading stamps went into force on January 1. On that day the various offices of the Dominion Trading Stamp Co. throughout Ontario were closed, and the following circular was sent out from the head office in Toronto to merchants using the stamps:

To Merchants using our Trading Stamps:

Gentlemen,—The statute prohibiting us giving, receiving or dealing with our trading stamps came into force this morning. The Court of Appeal has not yet delivered judgment on the question of the validity of the statute, and we find ourselves obliged by law to close our doors until such time as a decision is given and our right to continue business established. We must obey the law so long as it remains in force. In the event of judgment being given against us, we intend to appeal to the Supreme Court of Canada. We regret this delay, but cannot do anything to avoid it.

In the meantime the trading stamp business will remain at a standstill. We wish you would kindly request your customers to retain all trading stamps they have on hand until the matter is definitely settled.

You will please return any stamps you may have on hand, and pay for those used to our representative presenting this letter. Hoping to obtain a favorable decision and resume business at an early date, we are,

Yours truly,
Dominion Trading Stamp Co.

A DISSOLUTION.

The firm of Lamplough & McNaughton, Montreal, has been dissolved and a new partnership registered. The business will be carried on as in the past, by F. W. Lamplough and J. P. McNaughton, under the same name, as agents for Theile & Quack, Hamburg, and other European manufacturers.

PAST AND FUTURE

THE PAST with us has been a prosperous and successful career of 31 years' standing. During the time we have developed a large business and perpetuated for our products a lasting reputation.

THE FUTURE will be an endeavor to surpass the achievements of past years, an endeavor to enlarge the scope of our influence, and to create additional favor for

Iver Johnson - Guns, Revolvers and Bicycles

Each in its class represents the highest attainment of mechanical precision and completeness. They are the kind that

Procure Public Patronage and Perpetuate Prosperity.

IVER JOHNSON'S ARMS & CYCLE WORKS,
FITCHBURG, MASS.

New York Office—
99 Chambers Street.



QUALITY OF ENGLISH LINSEED OIL.

The Editor HARDWARE AND METAL,—In your issue of January 4 I read an article in reference to English linseed oil of inferior grade being offered in this market, and, as one of the principal importers in Canada of English linseed oil, I feel it my duty to again refer to the matter through your valued columns with a view to relieving the minds of Canadian buyers generally from the erroneous impression they must naturally inherit from such a report. I have not heard of an inferior grade of English oil being offered in Canada and do not believe that any responsible firm would undertake to misrepresent the value or purity of such an article as linseed oil with a view to making sales, knowing that if they did, not only would they be liable for inevitable damages which would result from the use of adulterated oil but their reputation as linseed oil merchants would be gone forever. Furthermore, the Canadian trade is too wideawake these days to be taken in in such a manner, and I venture to say that not a single Canadian buyer of linseed oil would entertain doing business in an article as important as this with any outside firm or one whose reputation in the linseed oil trade is not already established.

Our firm have been in the linseed oil trade for many years, and while we handle Canadian manufactured linseed oil very largely, we also buy and sell considerable English manufactured linseed oil. Our principal brand of the latter is "Stewart Bros. & Spencer's," which is well and favorably known throughout Canada, and invariably commands a higher price than any other make.

In justice to the above firm, whom we represent in Canada, as well as our own firm, as dealers in "genuine" linseed oil only, it devolves upon me to at once clear the atmosphere of these unreliable and damaging reports, and in my effort to do so request that you kindly publish this letter in your next issue.

J. WATTERSON,
Of J. Watterson & Co., Montreal.

St. John, N.B., January 6, 1902.

THEY ARE AMENABLE TO THE LAW.

Editor HARDWARE AND METAL: Will you kindly answer in the columns of your valuable paper the following question in reference to the early-closing by-law? About two years ago the merchants of this village attempted to introduce an early-closing system and circulated a petition among the business people of the town, agreeing to close their places of business at 7 o'clock every night except Wednesdays and Saturdays, and to petition the town council to pass a by-law to this effect, and on anybody found gulity of violating such by law a fine of not more than $20 and not less than $5 be imposed. The above petition was signed by all merchants. The town council seeing nobody opposed to it passed such by-law. Since then a number of new concerns have opened a place of business and refuse to comply with this by-law, and also a merchant who formerly signed the petition. Now, the question arises can they be forced to comply with this by-law? By answering the above in your columns you will will greatly oblige,

MERCHANT,

New Hamburg, Ont., January 7.

[Remarks: Provided the by-law has been properly carried there is no question about the question of conformity to it by those who move into the town subsequent to its adoption by the council. The fact that they were not party to the petition asking the town council to enact the by-law does not absolve them from obeying its provisions. If the sentiment of the majority of the storekeepers is against the by-law it may be repealed, but until such time as that is done everyone is legally bound to close his store at the stipulated hour.—THE EDITOR]

MAY BUY FROM CANADA.

H. Becker, of Becker & Hoag, a well-known financial house having offices in Berlin and Paris, is in Canada, where he has come to look very thoroughly into the graphite and corundum prospects of the country. The firm which he represents will open a large trade with this country, providing they turn out as good as he expects. Hitherto they have secured all their raw materials from the United States.

A CASE OF COLOR.

J. D. Young had some painting done at 329 and 331 Markham street, Toronto. Wm. White did some work there for Young, and, as there was a dispute, sued him for $37.90. Young put in a counter claim of $8.22.

The case came up before Judge Morson in the Division Court on January 9. Young claimed that White was to paint the doors a dark oak, while the fronts were to be cream color, but neither the front or doors came out right. He said he was willing to pay for the work as soon as it was done properly.

White, who is a painter of 20 years' experience, swore that he was to paint the houses white, but that Young afterwards changed the color to light cream. Cream then was put on two coats of white, which produced a stone color.

White obtained judgment for $35 84. All that was allowed on the counter-claim was $1.15.

PERSONAL MENTION.

Mr. Frank Child, of Aaron Child & Co., hardware merchants, Gravenhurst, spent part of the holiday season in Toronto.

Mr. C. F. Grover, who has travelled in Western Ontario for H. S. Howland, Sons & Co., Toronto, for some years, has accepted a position with the Dominion Wire Manufacturing Co., Limited, Toronto and Montreal, and will represent that firm in Ontario, west of Toronto, hereafter.

ST. JOHN, N.B., HARDWAREMEN.

At the eighth annual meeting of the St. John Iron and Hardware Association, held in their rooms, on Monday evening, January 6, 1902, the following officers for the ensuing year were elected:

President—Mr. S. Hayward.
Vice-President—Mr. P. McMichael.
Secretary-Treasurer—Mr. J. J. Barry.
Directors—Mr. W. H. Thorne, Mr. T. McAvity, Mr. R. B. Emerson.

It was moved that the association hold their annual dinner on or about January 22, 1902.

BLAZE IN HARDWARE STORE.

There was a fire in the hardware store of Magnan Freres, 306–308 St. Lawrence street, Montreal, at 10.30 o'clock on Wednesday night. It started in the cellar, where one of the corners and ceiling were burned, but the fire caused very thick smoke, which occasioned some damage to the stock in the upper store. The loss will probably be nearly $1,000, and it is covered by insurance. The firemen of the centre used a stream before the blaze was under control.

FOR SALE.

GOOD HARDWARE AND TINWARE BUSINESS and premises in small town, splendid farming locality. Excellent opportunity for two live men. Too much work for owner. Apply, Box 76, HARDWARE AND METAL, Toronto. (5)

FOR SALE.

STOCK OF HARDWARE IN A HEALTHY, growing town in one of the best farming sections of Nova Scotia. Every facility for doing a good and increasing business. Apply HARDWARE AND METAL, Box 74. (4)

WANTED.

BY A WINNIPEG WHOLESALE HARDware firm, two first-class Hardware Clerks. Must have a thorough knowledge of hardware in all departments. Address applications, stating age, experience, references, married or single, etc., Drawer 1475, Winnipeg. (1-tf.)

JONES BROS.

Stove Brick Manufacturers, Fire Clay and Asbestos, Furnace Cement, all kinds of Fire Clay Products made to order from patterns.

BRACONDALE P.O., ONT. (near Toronto.

MANITOBA MARKETS.

WINNIPEG, January, 6, 1902.

THE only change that has broken the monotony of the situation is the advance of 5c. on building paper. There are rumors that wire nails may experience a change in the near future. Paints, oils and glass are all very quiet, and no change in price to note. Cutter and sleigh men are finding the season considerable of a disappointment owing to lack of snow.

Barbed wire, 100 lb	$3 30
Plain twist	3 40
Staples	3 95
Oiled annealed wire 10	3 95
" 11	4 00
" 12	4 05
" 13	4 20
" 14	4 35
" 15	4 45
Wire nails, 30 to 60 dy, keg	3 55
" 16 and 20	3 65
" 10	3 65
" 8	3 75
" 6	3 80
" 4	3 95
" 3	4 20
Cut nails, 30 to 60 dy.	3 25
" 20 to 40	3 30
" 10 to 16	3 35
" 8	3 40
" 6	3 45
" 4	3 55
" 3	3 90
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to No 1	4 65
No. 2 and larger	4 40
Snow shoes, No. 0 to No. 1	4 90
No. 2 and larger	4 40
Steel, No. 0 to No. 1	4 95
No. 2 and larger	4 70
Bar iron, $2.70 basis.	
Swedish iron, $5.00 basis.	
Sleigh shoe steel	3 25
Spring steel	3 25
Machinery steel	3 75
Toolsteel, Black Diamond, 100 lb	8 50
Jessop	13 00
Sheet iron, black, 10 to 20 gauge, 100 lb.	3 50
20 to 26 gauge	3 75
28 gauge	4 00
Galvanized American, 16 gauge	2 79
18 to 22 gauge	4 75
24 gauge	5 00
26 gauge	5 25
28 gauge	5 50
Genuine Russian, lb	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 75
26 gauge	8 00
28 gauge	8 50
Tinplate, IC charcoal, 20 x 28, box	11 00
" IX "	13 00
" IXX "	15 00
Ingot tin	33
Canada plate, 18 x 21 and 18 x 24	3 75
Sheet zinc, cask lots, 100 lb	7 00
Broken lots	7 50
Pig lead, 100 lb	6 00
Wrought pipe, black up to 2 inch	50 and 10 p.c.
" Over 2 inch	50 p.c.
Rope, sisal, 7-16 and larger	$13 00
" ⅜	13 50
" ¼ and 5-16	13 75
Manila, 7-16 and larger	16 00
" ⅜	16 50
" ¼ and 5-16	17 00
Solder	20
Cotton Rope, all sizes, lb	17
Axes, chopping	$7 50 to 12 00
" double bitts	12 00 to 18 00
Screws, flat head, iron, bright	87½
Round " "	82½
Flat " brass	80
Round " "	75
Coach	57½ p.c.
Bolts, carriage	50 p.c.
Machine	50 p.c.
Tire	60 p.c.
Sleigh shoe	65 p.c.
Plough	40 p.c.
Rivets, iron	50 p.c.
Copper, No. 8	35
Spades and shovels	40 p.c.
Harvest tools	70 p.c.
Axe handles, turned, s. g. hickory, doz.	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 75
No. 1	1 25
Files common	70, and 10 p.c.
Diamond	60
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	30 p.c.
" military	15 p.c.
American R.F.	30 p.c.
C.F. pistol	5 p.c.
C.F. military	10 p.c. advance.
Loaded shells:	
Eley's soft, 12 gauge black	16 50
chilled, 12 gauge	18 00
soft, 10 gauge	21 00
chilled, 10 gauge	23 00
Shot, Ordinary, per 100 lb	6 25
Chilled	6 75
Powder, F.F., keg	4 75
F.F.G.	5 00
Tinware, pressed, retinned	75 and 2½ p.c.
" " plain	70 and 15 p.c.
Graniteware, according to quality	50 p.c.

PETROLEUM.

Water white American	25½c.
Prime white American	24c.
Water white Canadian	22c.
Prime white Canadian	21½c.

PAINTS, OILS AND GLASS.

Turpentine, pure, in barrels	$ 62
Less than barrel lots	67
Linseed oil, raw	84
Boiled	87
Lubricating oils, Eldorado castor	27½
Eldorado engine	26½
Atlantic red	29½
Renown engine	41
Black oil	19½
Cylinder oil (according to grade)	55 to 74
Harness oil	65
Neatsfoot oil	$ 1 00
Steam refined oil	85
Sperm oil	2 00
Castor oil per lb.	11½
Glass, single glass, first break, 16 to 25 united inches	2 50
26 to 40 per 50 ft.	2 75
41 to 50 " 100 ft.	6 00
51 to 60 " " "	6 50
61 to 70 per 100-ft. boxes	7 00
Putty, in bladders, barrel lots per lb.	2½
kegs "	2¾
White lead, pure per cwt.	6 50
No. 1 "	6 00
Prepared paints, pure liquid colors, according to shade and color, per gal.	$1.30 to $1.90

NOTES.

The Manitoba Society of Engineers and Architects is applying to the next session of the Legislature for a charter.

Winnipeg's first paint factory is in operation. The G. F. Stephens Co., Limited, have built one at the rear of their wholesale warehouses, and it is now in working order.

C. C. Macdonald, formerly Dairy Superintendent for Manitoba, has severed his connection with The Melotte Cream Separator Co., of which company he was a member. It is understood that Mr. Macdonald is likely to represent some other separator.

THEIR CAPITAL IS NOW $1,000,000

The enormous increase in the business of The Dominion Bridge Co., Montreal, has rendered it necessary for them to increase their capital. This they finally decided to do at a meeting of shareholders on December 27, when the capital was brought up from $500,000 to $1,000,000.

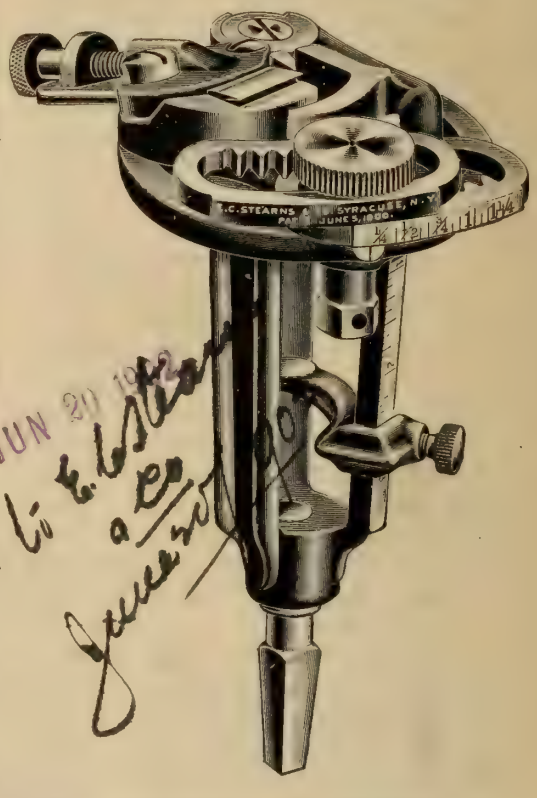
EMPLOYES DINE.

On Monday evening, December 30, the employes of The Portland Rolling Mills, Limited, St. John, N.B., held a reunion and dinner at the Park Hotel, when a delightful menu and an excellent programme of vocal and instrumental music, dancing, etc., were provided. It is needless to say that the sturdy iron-molders were just as good men in their recreation as in their business. About 60 were present, among the invited guests being D. J. Purdy, M.P.P.

The chair was occupied by Eben Perkins, superintendent of the mills. The entertainment closed at midnight by the singing of "God Save the King."

HOLLOW AUGER.

E. C. Stearns & Co., Syracuse, N.Y., have recently placed on the market a new auger, the No. 33 hollow auger, which combines all the desirable features of the well-known Stearns No. 3 hollow auger, with



other improvements, most prominent of which is a patent adjustment of the knife, doing away entirely with the use of a screwdriver and hammer in setting the knife. It cuts any size tenon from ¼ to 1¼ in. It is superior in style and workmanship to any on the market, with its lustrous black and red enamel and its bright parts heavily nickle plated and polished.

E. F. Cowan, storekeeper and lumber merchant, Novar, Parry Sound District, has made an assignment to Fredrick H. Lambe, assignee, of Hamilton. His liabilities are estimated at about $8,000, his creditors being chiefly in Toronto and Hamilton.

MACHINERY DEPARTMENT

THE EFFICIENCY OF TOOL STEEL.

UNDER the auspices of The Society of German Engineers, the largest and richest engineering society in the world, some interesting investigations have recently been made into the difficult problem of ascertaining the suitability of modern tool steels for high-speed cutting tools. The problem has been worked out with characteristic German thoroughness, and the report on the 800 tests involved, which has just been published, is a document of great interest and of permanent value.

The remarkable qualities displayed by the Taylor-White tool steel during the trials conducted by The Bethlehem Steel Co., at the Paris Exhibition of 1900, at once attracted the attention of engineers from all parts of the world, and, as an immediate consequence, many makers of special steels were induced to bestir themselves vigorously in search of new methods by which they hoped, if not actually to rival the performance of the Taylor-White brand, at least to increase very largely the cutting speed and the general efficiency of their own products. As the result of unflagging efforts in this direction, several firms have been able to place on the market steel-turning tools which show a notable improvement in cutting efficiency and resistance on the tool steels hitherto in ordinary use; but though the superiority of such steels is on all sides admitted, it was obviously desirable that the economic advantages to be derived from their use should be established by means of a direct comparison with former methods of working. The Berlin Section of the Society of German Engineers came forward with an offer of assistance towards the realization of this object. A committee was appointed consisting of a number of representatives from leading German engineering works, with Mr. O. Lasche, works manager to the Allgemeine Elektricitats-Gesellschaft, as president, for the purpose of carrying out all necessary arrangements for making the experiments. The German Niles Tool Steel Works placed at the disposal of the committee one of their large standard lathes, and Mr. Lasche's firm supplied an alternating-current motor for independent driving. After careful deliberation it was decided to invite the cooperation of the makers, whose steel was to be tested, because they were considered the best qualified to select the proper shape, and the most suitable brands for particular kinds of work. Most of the members of the committee were, moreover, unfamiliar with the new material and its possibilities, and they relied on the judgment of the makers to determine the limit of cutting speed, the rate of feed, and the depth of cutting which could with safety be permitted.

When all preliminary details had been completed, several steel makers of repute were requested to furnish samples of their new brands for purposes of testing. These firms, The Bergische Stahl-Industrie Gesellschaft, of Remscheid, Bohler Brothers & Co., and The Poldi Works, both of Vienna and Berlin, responded to the invitation, and devoted themselves unremittingly to the furtherance of the committee's plans. Trials were made of the endurance of the steels when working on all kinds of material of the most varied forms, but the chief tests were directed to show:

(1) What extent of surface could be machined in a given time, with a given depth of cut and any rate of advancement.

(2) What weight of cuttings with maximum depth of cut could be turned off in a given time.

Most of the steels were procured from the makers as finished tools. They had been hardened and prepared by a process which it was desired to keep secret, and it was therefore possible to grind them in the works to a certain extent only, for as soon as the hardened portion was worn off it became necessary to return them to the manufacturers for retempering. In any case, the forging of steels of such special compositions as these is beyond the resources of most works; and repairs can only be carried out properly at the original place of manufacture. The following table gives the name of the brands, and the number of test pieces from each firm of makers:—

Manufacturer	No. of Pieces	Self-hardened Brand	No. of Pieces	Hardened by Secret Process Brand
Bergische Stahl Industrie	64	L	—	—
Bohler Brothers	16	Titan-Boreas	78	Rapid
Poldi Works	86	Diamond 000	13	Schnelldreher

The three brands—"L," "Titan-Boreas," and "Diamond 000"—are hardened by heating them to a certain temperature and then allowing them to cool slowly in the air. Of the other two brands the committee could give no particulars as to composition or method of preparation, both being kept secret by the respective owners. In the case of the two first-named firms the steels in no way differ from the product which the firms have for some time past put on the market. The Poldi Works, however, have not yet fully tested the capabilities of the new brand "Schnelldreher" (quick-turner), and although the tools of this steel seemed to be of pre-eminent quality, the firm do not guarantee absolute uniformity of quality. A summary of results may be seen in the following table:

Firm	Speed of Cutting in Inches per Second	Total Weight of Cuttings per Sec. lb.	Total Surface Machined per Sec. Sq. Inches	Duration of Cutting-edge till Blunted Minutes
Bergische Stahl Industrie	0.29	0.321	0.0020	309.56
Bohler Brothers	0.29	0.423	0.0027	357.83
Poldi Works	0.29	0.213	0.0013	184.73

The grooving of chilled rolls, all of equal size and composition, formed the basis of the tests from which the above results were obtained.

The experiments made by the committee cannot be regarded as exhaustive, but they may induce others to compare the results with their own practice, and thus enable them to judge whether the tools and the tool steel made by them are as efficient as they might be, since it is only by studying the best available means that engineers can maintain a high degree of efficiency in their works. That an increased power is necessary for driving the machinery is in one sense true, but the power needed to turn off 1 lb. of cuttings is the same as before; it is, therefore, only the power used per unit of time that is greater. The question of the cost of special steels has not been taken into consideration, nor should the works-manager attach too much importance to the price of good tool steel. In any circumstances it only represents a small fraction of the total capital, and it is vastly more important to turn out heavy work in the least possible time than by mistaken economy to save a little extra money on high-class tool steel. The use of powerful machine tools with a high speed should be aimed at, and in the case of older workshops with slow driving the heavy tools might be readily adapted for independent driving.—Ironmonger.

ACTION RE PARIS GREEN.

Judge Sterling B. Toney, of the Circuit Court, of Jefferson County, Ky., recently rendered an opinion in a curious case. A man was employed last July to sprinkle paris green on potato vines to kill lady bugs, and on account of the heat he opened his shirt, with the result that he was poisioned by the paris green. He sued his employer, who entered a demurrer to the petition, and the learned judge sustained the demurrer for the following reasons: The plaintiff had no right, in foro conscientiae or in foro externo, to make an exposure of himself in the way he did while engaged in killing lady bugs; the defendant exceeded the scope of his employment in sprinkling paris green elsewhere than on the potato vines, as his special and exclusive agency was to kill lady bugs basking in the shade of said potato vines; the plaintiff's act in allowing defendant's paris green to come in contact with his flesh instead of with the flesh of the lady bugs, was unauthorized and ultra vires; the mental and physical suffering of which the plaintiff complains was the result of his own wrong in misapplying the defendant's paris green to purposes other than those for which he was employed to apply it, and, besides, is damnum absque injuria; the plaintiff, in opening his clothes and exposing himself to the lady bugs and the paris green, was guilty of contributory negligence; the plaintiff knew as well as the defendant that paris green was poisonous, and if he did not know that paris green was a poison, then this suit should not have been brought in his name, but by a committee appointed to represent him.

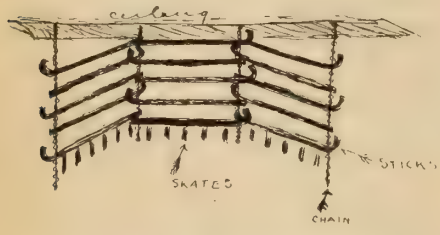
The estimated loss to the general store of John McConville & Co., Texada City, B.C., by fire, is $400; fully covered by insurance.

THE ART OF WINDOW DRESSING.

Hints by an Expert.

SKATE AND HOCKEY STICK DISPLAY.

NOW that the skating season is around again, one of the principal lines to be kept shown in the windows is hockey sticks, skates, pucks, straps, and everything pertaining to these lines. If your window is oblong or square the following suggestion may be of aid in making a display of these lines. Take four lengths of small jack chain (brass or nickel) and suspend them from the ceiling as shown in the rough sketch, and tie hockey sticks from one to the other and in this way you can make a good stocky overhead trim. Skates can be shown on them by shoving the handle of the stick through the front part of the skate after you have fastened the crooked end of stick to the chain. The cut will explain the idea.



No. 1—Skate and Hockey Stick Display.

To suspend the chain from the ceiling use a heavy screw-eye and see that it is well fastened so as to hold a good weight. This idea can be carried right down to the floor and the skates could be hung on every hockey stick. In place of the skates, straps can be shown on the sticks. Skates should also be shown on the floor on a white canton flannel which shows them up well. Black cambric or print makes a good ground for skates, but I think the white shows them up better, especially at night. This suggestion for a display of these wares is an excellent one, as it gives the trim a massive and stocky appearance and it is also very simple and inexpensive. If you intend to use the skates on the sticks the full height of window it would be advisable to use an extra heavy chain so as to insure safety. A neat card worded after the following would complete the trim:

A COMPLETE LINE

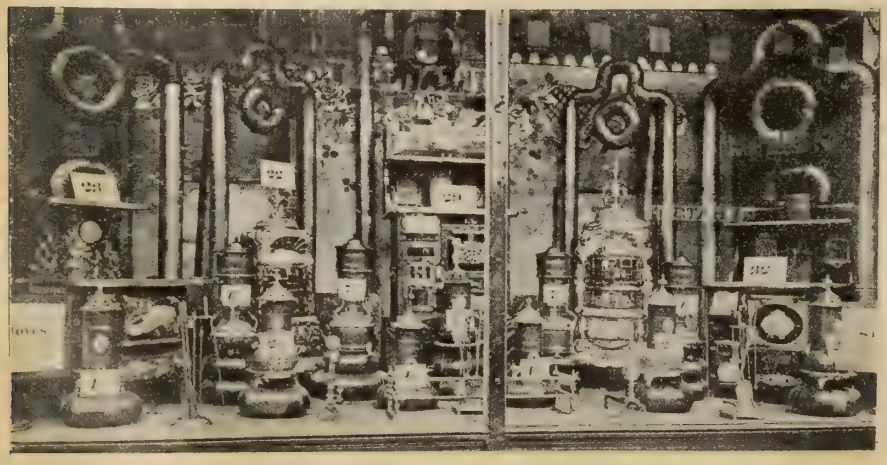
—: of :—

SPORTING REQUISITES

: : at RIGHT prices. : :

A STOVE DISPLAY.

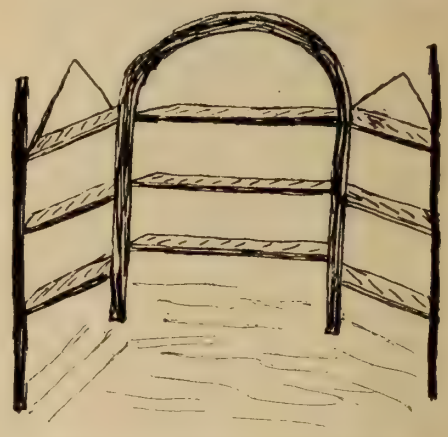
The illustration No. 2 presents an idea that can be carried out on a smaller scale by the average hardware house. The back of the window is covered over with plain ingrain wall paper (red) with a border to match. The floor is carpeted with cheap straw matting, which can be bought for about 15c. per yard (1 yard wide). The red wall paper backing makes a warm, effective background for stoves, and is inexpensive, and can be used as a background for lots of different lines of hardware. Make a framework of rough strips of lumber the same size as the back of your window. Have it made in two sections hinged together, so that you can get in and out of the window. A backing of this kind can be made for a few dollars. Over the frame stretch cheap grey cotton, and on this paste the wall paper. Any wall paperer would do this for you at a very nominal cost. After the paper gets soiled or torn with frequent use it can be repapered in another color. The points to be observed in this display are: (1) The artistic arrangement of the stovepipes; (2) notice how each stove shows up prominently and that one does not crowd the other, and (3) the price cards, which is the main attraction in a display of this kind, or, in fact, of any kind. Any person contemplating purchasing a stove, seeing a display like the one presented in this magazine, could not help being impressed with it. Of course, this was an extra large window, and perhaps a little elaborate for the average hardware store, at the same time the ideas are there to be observed by the hardware window-trimmer, who will find them of great aid in making a trim of these goods in a smaller window with a less extensive stock.



No. 2—Display of Stoves, Stovepipes and Fire Irons.

KITCHEN UTENSIL DISPLAY.

Illustration No. 3 is a business-bringing trim of kitchen utensils. The rough drawing will give the idea of the framework in this



Framework for Kitchen Utensil Display.

trim. The framework was covered with plain black print. The centre arch was made from a 6-inch board 1 inch thick, as were also the shelves.

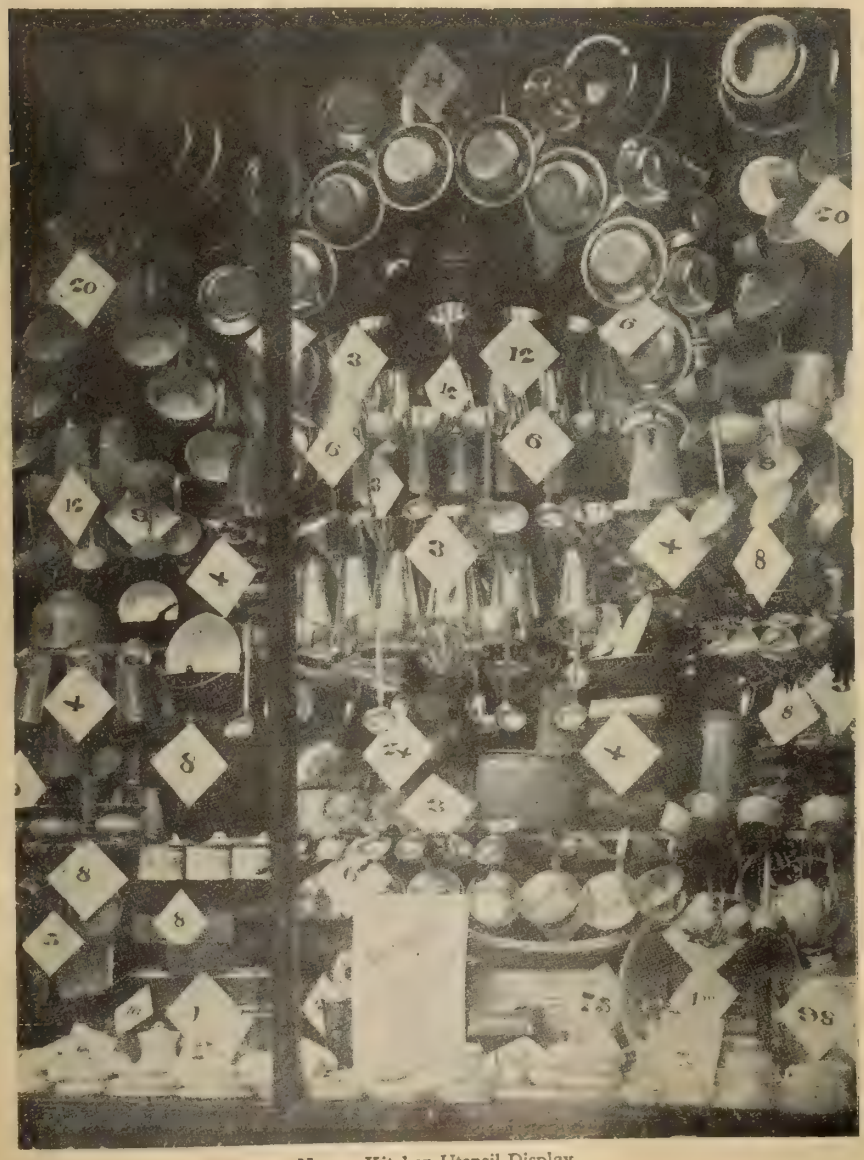
PRICE CARDS.

A most particular point that is given very little attention by most hardwaremen in their window trims is that of price and descriptive tickets. To a large extent, the window display as a sales-bringer is useless unless price-ticketed. If you will just experiment on this you will find the ticketed

window will do twice the work that the unticketed trim will do. There are very few lines among a hardware stock that look attractive in themselves. A price ticket will generally make them attractive and interesting to the passing public. The large progressive stores all over the country do a large part of their business through window displays ticketed, and if it was not the best means of drawing trade it would have been discarded long ago. A little incident that happened some months ago, and which was narrated in the columns of this paper, would perhaps be worth repeating, as it will prove a point in favor of price cards in window displays, and as there are perhaps some of our readers who did not note it when it appeared in these columns before. I had a very attractive arrangement of household necessaries in agate and tinware in one of the large windows of the house I was employed in. Each line of goods was price-ticketed. People crowded about that window all day, attracted, no doubt, by the dozens of price cards. Everything really appeared a bargain, when actually it was nothing special, but all the articles marked at about the same value as they could have been bought anywhere. However, after the trim was completed and the curtain raised, there was a buying throng in the department in a short time, and it kept up for several days. One case in particular which came to my notice was this: A man went up to the department and asked the salesperson to give him "one of those 4c. tin cups like what was in the window." There was a large cooking range on display in the department (price $50), and while the cup was being parceled up the customer was examining the range. He asked the price of it from one of the men in charge, who told him what it was and explained the different parts to him. The customer then told the salesman he intended purchasing a range in the near future, as he was in the restaurant business, and he became so interested that before going out he left a deposit of $10 on the range, as he said it would suit him splendidly, and he was very anxious to have it. A few days afterwards he came in and paid the balance and had it shipped to his address.

Now, I'll venture to say that had it not been for a little 4c. ticket in the window, that it is dollars to doughnuts that range would possibly have been in the store yet. This is only one case among dozens that I have seen where price tickets "did the business." Therefore, I say, don't neglect this item of "trade catching." Any young man can in a very short time become quite proficient in card-making. It may be a little difficult at first, and one will generally become disheartened over his few first attempts, but you will be surprised how soon you will be able to execute a good business ticket with constant practice. Take stock how letters and figures on posters, almanacs, etc., are made, and copy them, and in a short time you will become familiar with the formation of them.

Don't attempt fancy letters, adopt the plain block letter, as it is the easiest read, and that is what the public of to-day require, something that can be read at a glance. Use the black lettering only. Drop black thinned with turpentine makes the best for general use. Get several brushes, sizes from 5 to 10, in sable. Keep these clean by rinsing them in turps. frequently. Put in your spare time practising. Sketch out the lettering in lead pencil. Outline the figures with the small size brush and fill in with the larger ones. After a time you will be able to do the lettering without penciling them first. Train the brushes flat by always using the same side. H. H.



No. 3—Kitchen Utensil Display.

THOS. DAVIDSON MANUFACTURING CO.

Under the cut which appeared in connection with the report of the annual dinner of the Thomas Davidson Manufacturing Co., Montreal, in last week's issue, appeared the line, "The Staff of the Thomas Davidson Manufacturing Co." It should have read, "Members of the firm and travelling staff of the Thomas Davidson Manufacturing Co."

MR. JOHNSTON TO GO SOUTH.

The many friends of Mr. James Johnston, who for many years has been representing the Dominion Wire Manufacturing Co., Limited, Toronto and Montreal, will regret to hear that he has been granted leave of absence on account of ill health and is leaving for the South to spend the winter.

HARDWARE & METAL hopes that his recovery will be speedy.

MANUFACTURE OF SPORTING GUNS AND RIFLES.

From The British Trade Journal.

DOUBTLESS it is one result of the sporting proclivities of the Englishman that the manufacture in this country of guns and rifles for all classes of game has attained its undisputed position. Cheap and common guns may be exported from the Continent, but whenever the nobility of Europe or the millionaires of the United States require a thoroughly serviceable and reliable weapon it is to the English market that they come.

THE ENGLISH GUN INDUSTRY

has attained this position by dint of constant attention given to it by capable men for centuries, and during the last 20 or 30 years the improvements which have been made in guns and rifles testify that it is still as full of life and vigor as ever. Perhaps no other gunmakers in the world have so wide a range of experience in designing weapons for various classes of sportsmen and of sport, not only in this country, but in India, Africa, Australia, and North America, from shot guns for partridges and rook rifles to rifles to bring down lions and bull elephants. In the home market it would be difficult to find, with the exception here and there of a rook rifle, any gun not made by English workmanship and from English material. For export requirements, where serviceable weapons are required, the same remark holds good. For the

BEST CLASS OF EXPORT TRADE

naturally an extensive assortment is necessary, for it must include the highest-class specimens of hammerless choke-bore guns and accurately bored rifles, with the finest types of steel barrels, as well as the cheaper but very serviceable and good-value guns. The minimum of weight for the export trade is of less importance, although the weight of birding guns has constantly downward tendencies. For colonial use, guns of good strength are needed, and strength of the parts naturally means increased weight. India, America, and Australia require heavier guns than the continent because of the heavier game met with. These requirements are fully met by really sound, good-shooting, but plainly-finished weapons, of which we could instance several varieties sent to all parts of the world by our leading makers.

Anyone who wishes to obtain an insight into the best practice of gun manufacture now pursued cannot do better than visit the works of one of the leading English firms in this trade. The various parts of the action and lock are received in the form of rough forgings. They are then subjected to the action of machine tools, such as milling and profiling, boring and slotting machines, by means of which each forging is reduced and shaped to the exact form and size required, being finished with the greatest possible accuracy and machined to the thousandth part of an inch. One part of the action alone undergoes no fewer than 179 operations before it is sufficiently finished to render it fit for putting together with the lock. In this department are also machines producing the screws and bolts by which the various parts of the action are held together. To carry out these processes

AN INFINITE VARIETY

of cutting tools is required, both as regards shape and size, and special arrangements are to hand for making such cutters and keeping them in the highest working condition. The barrels are bored, turned, and finished in another department, where also the ribs and locks are brazed to the barrels. In this part some of the most costly machinery can be seen, by means of which the grooves are cut in the barrels of rifles and the choke given to shot guns. The barrels must also be polished and then browned, and, of course, tested at the London proof house by means of charges of powder, shot or bullet far in excess of anything required in actual use. The construction of the modern gun-action requires even greater nicety and accuracy of workmanship than in a timepiece. Efforts are constantly made to

SIMPLIFY THIS MECHANISM,

and not without success, as will be seen by the new improved ejectors, in which only two parts are necessary, whereas formerly eight or ten were required. Working in the same direction is the wonderfully ingenious lock mechanism by which one trigger is made to serve two barrels. Then the arrangement of hammerless guns and the lever and bolt or grip action for opening breech-loaders and firmly closing them again with perfect rigidity necessitate an excellence of material and a perfect accuracy of workmanship which it would be difficult to parallel, and which, seeing that human life may often depend upon its soundness, is of the utmost importance. A walk through the action department, where rows of skilled artisans are at work, shaping and finishing and putting together the various parts, will convince any user of a gun that nothing is left undone to insure absolute reliability.

The barrels, ribs, actions and levers, and generally with ejecting mechanism, having been put together, the "stocking-room" is reached. Here the steel and iron portions of the weapon are fitted into the stock, and during recent years, as the advantages of using "fitted" guns have become more and more apparent, this operation has become of more importance, necessitating very careful measurement and adjustment by means of a "Try" gun. With the aid of this a sportsman can ascertain the exact shape, bend, length, and cast-off of the stock best suited to his build, and thus insure a perfectly-fitting gun, with which much better practice will be made than with the ordinary stock pattern.

Many of the parts are worked and finished in a comparatively soft state which necessitates the use of

HEARTHS FOR CASE-HARDENING.

This applies also to the action and trigger plates, which in high-class guns are generally covered with beautifully artistic designs, in which the true sportsman takes infinite pride. This work of engraving or chasing requires a considerable degree of skill and judgment. In guns and rifles for princes and wealthy sportsmen of every degree the designs are worked out with inlaid gold, and many sporting scenes are in this way depicted with striking success.

THE SHAPING AND CARVING OF STOCKS

necessitates another set of skilled operatives, and in elaborate designs a considerable amount of work can be bestowed upon this part of a modern weapon. The material mostly favored is English walnut, boldly figured and with contrasts of color. As this is becoming scarce, walnut from other countries must be used, equally strong and light, even when its appearance is less effective. To add to the steadiness and certainty with which a gun can be held, stocks are now shaped with what is well known as the pistol hand and with a cheek piece. The surface of the pistol grip is generally checkered to increase the firmness of grip. In another department such processes as sighting, fitting telescopes for long-range rifles, etc., are carried out.

A 16 BORE HAMMER

or hammerless, weighing only about 6½ lb., has been largely supplied to customers for use in Germany, Russia, Spain and other countries, where snap-shooting at heavy game is usual. Favorable reports as to its efficiency have also been received from British Columbia, Tasmania, and for use against wild boar, red deer, elk, and bear. It discharges shot with a penetration of a 12-bore and conical bullets up to 100 yards with the accuracy of an express rifle. When it was first introduced public trials were held, at which the operator shot 10 consecutive shots right and left at 50 yards' range with three drachms of powder and conical bullets, the whole of which were placed within a space measuring 2⅛ in. by 2½ in. Ten consecutive shots were then fired at 100 yards and put into a space of 3¾ in. by 5¾ in. The wind having dropped, another trial of 10 shots was made, when the 10 bullets were put into a space measuring 3½ in. by 4 3-16 in., nine of them being in a space 2¼ in. by 3½ in. For countries where large and small game are met with, the importance of such a weapon is obvious.

A TRAVELLER'S DEFENCE.

A somewhat sad instance of modern competition, remarks Grocery, especially amongst the travellers of different houses in their endeavor to secure orders for the firms they represent, is afforded by a case which came before the Gloucester assizes. A commercial traveller was charged with embezzling money belonging to his employers, and his defence was that he had not devoted the money to his own purposes, but had employed it in entertaining customers with a view to increased sales. Unfortunately for him, he had previously been in trouble for a similar offence and he was sentenced to three years' penal servitude, but there is very little doubt in our minds that, feeling himself incapable of securing trade in any other way, he had endeavored to obtain it by the means he stated. All this is very sad, but on the whole we doubt whether, in spite of the keen competition which exists, the treating evil is so bad by a long way as it used to be even 20 years ago. Then it was quite unusual for a bargain to be completed without the assistance of alcohol in some shape or form. Now it is the exception rather than the rule.

John Bowman

HARDWARE & COAL CO.

LONDON, ONT.

SKATES SKATES SKATES

We have a large stock of SKATES to dispose of and will fill all orders promptly at closest prices.

Cutlery Cutlery Cutlery

Special Lines Special Prices

English and German Table and Pocket Cutlery, Cases, Carvers, Razors, Scissors, Pen and Pocket and Table Cutlery in great variety.

Special Prices.

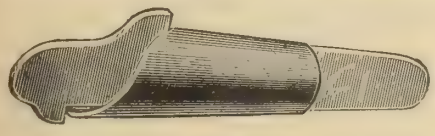
We wish to extend to our patrons our sincere thanks for favors received during 1901, and to wish them one and all a Happy and Prosperous 1902.

DOMINION WIRE MFG. CO.

Montreal Limited Toronto

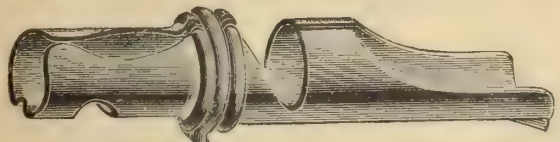
ESTABLISHED 1860. INCORPORATED 1895.

SUGAR MAKERS' SUPPLIES



"IMPERIAL" Steel Sap Spouts

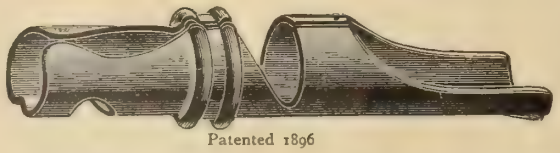
Improved 1902 Pattern, Tapered.
Specially adapted for Covered Sap Buckets.



"EUREKA"

Steel Sap Spouts

Cuts Show Full Size Of Spouts



Patented 1896

THE "EUREKA" STEEL SAP SPOUTS

ARE EVER POPULAR

BECAUSE THEY ARE:
- Economical and Durable.
- Safe and Secure—No Leakage.
- Easily Inserted—Do not injure the tree.
- Secure Full Flow of Sap.

All packed in cardboard boxes, 100 each.

We carry full stock of all lines. Write for prices.
Orders by letter or wire promptly shipped.

MAPLE SYRUP CANS

"LOWER CANADA"

ROUND—With Screw Tops and Strap Handles.

SQUARE—With Screw Tops and Wire Handles.

Plain or Lithographed.

CAPACITY:

1 Qt Wine Measure.
1 Qt. Imperial Measure.
½ Gall. Wine Measure.
½ Gall. Impl. Measure.
1 Gall. Wine Measure.
1 Gall. Impl. Measure.

Special design made up, if sufficient quantities are wanted.



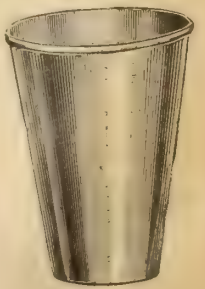
Sap Buckets

Long Pattern

Nos.	7	8	12	16
Quarts	4	6	8	12

Western Pattern

6 and 10 Quarts.



Long Pattern.

THE THOS. DAVIDSON MFG. CO., Limited, MONTREAL, P.Q.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

Montreal, January 10, 1902.

HARDWARE.

THOUGH just recovering from the holiday season, business on the whole, is satisfactory, and, compared with the same period a year ago, it is in a better condition. Orders for present delivery are merely given to fill immediate needs. Merchants throughout the country are stock-taking, and do not care to buy for spring just yet. On the other hand those houses whose travellers have been on the road, report that orders for spring delivery are encouraging, and that the outlook for spring business is bright. All the American travellers have been here this week and they are quoting a few changes on builders' hardware, most of which are slightly lower. This, of course, will affect the trade here in the near future.

BARB WIRE — There is practically no change, a quiet market continuing. We quote $3 per 100 lb. f.o.b. Montreal.

GALVANIZED WIRE — There is not much doing. Prices are steady, as follows: Nos. 6, 7 and 8 gauge, $3.45; No. 9, $2.80; No. 10, $3.55; No. 11, $3.65; No. 12, $2.95; No. 13, $3.05; No. 14, $4.05; No. 15, $4.55; No. 16, $4.80; No. 17, $5.20; No. 18, $5.45.

SMOOTH STEEL WIRE — The demand has taken a turn for the better. Oiled and annealed wire sell as follows No. 9, $2.80; No. 10, $2.87; No. 11, $2.90; No. 12, $2.95; No. 13, $3.15 per 100 lb. f.o.b. Montreal, Toronto, Hamilton, London, St. John and Halifax.

FINE STEEL WIRE — A moderate business is doing; discount 17½ per cent.

BRASS AND COPPER WIRE — There is not much movement in either. On both copper and brass wire the discount is 55 and 2½ per cent.

FENCE STAPLES — A dull market continues. We quote $3.25 for bright and $3.75 for galvanized per 100-lb. keg.

WIRE NAILS — A fair movement is noted. We quote as follows: $2.85 for small lots and $2.77½ for carlots f.o.b. Montreal, London, Toronto, Hamilton and Gananoque.

CUT NAILS — There is a moderate trade doing. Our quotations are: $2.55 per keg for small and $2.45 for carlots; flour barrel nails, 25 per cent. discount; coopers' nails, 30 per cent. discount.

HORSE NAILS — All the mills are now using the new list on horse nails. The demand continues rather light. "C" brand is sold at a discount of 50 and 7½ per cent. off the new list. "M" brand is quoted at 60 per cent. also off the new list, on oval and city head, and 66 2-3 per cent. off countersunk head.

HORSESHOES — There is not a very active market. We quote as follows: Iron shoes, light and medium pattern, No. 2 and larger, $3.50; No. 1 and smaller, $3.75; snow shoes, No. 2 and larger, $3.75; No. 1 and smaller, $4; X L steel shoes, all sizes, 1 to 5, No. 2 and larger, $3.60; No. 1 and smaller, $3.85; feather-weight, all sizes, $4.85; toe weight, steel shoes, all sizes, $5.95 f.o.b. Montreal; f.o.b. Hamilton, London and Guelph, 10c. extra.

SCREWS — The movement is fair, being mostly in small quantities for immediate requirements. The discounts are as follows: Flat head bright, 87½ and 10 per cent. off list; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.

BOLTS — There is a pretty good demand. We quote as follows: Norway carriage bolts, 60 and 5 per cent.; common, 55 and 5 per cent.; full square carriage bolts, 60 and 5 per cent.; machine bolts, 55 and 5 per cent.; coach screws, 70 per cent.; sleigh shoe bolts, 70 per cent.; blank bolts, 60 per cent.; bolt ends, 60 per cent.; plough bolts, 55 and 5 per cent.; tire bolts, 67½ per cent.; stove bolts, 67½ per cent. To any retailer an extra discount of 5 per cent. is

"Samson" Railroad or Delivery Cans and Trimmings



"SAMSON" With Seamless Cover.

Supplied with "Samson" Seamless Bottom, Seamless Cover, Seamless Neck, Seamless Breast, and "D" Side Handles.

Cleanest, Easiest to Handle and most Durable Railroad or Delivery Can on the Canadian market.

Bodies made of extra heavy tinned iron.



"SAMSON"—With Bell Cover.

Seamless Cover has no seams in the rim to collect dirt or to work loose.

Being drawn from one piece of steel makes it of uniform size.

It is perfectly air-tight.

Seamless Neck is drawn from one piece of specially prepared steel and annealed to prevent any possibility of their cracking.



"SAMSON" Trimmings.

This Cover and Neck together with the "Samson" Bottom makes this Railroad or Delivery Can unquestionably the best ever put on the market.

The "Samson" is the **strongest** and **only one-piece** bottom on the market.

TINNED IRON, ALL SIZES AND GAUGES.

Prompt shipment always made.



"SAMSON" Seamless Cover and Neck.

The McClary Manufacturing Co.,

LONDON, TORONTO, MONTREAL, WINNIPEG, VANCOUVER, AND ST. JOHN, N.B.

"Everything for the Tinshop."

THE PAGE-HERSEY IRON & TUBE CO.
Limited
MONTREAL
Manufacturers of
Wrought Iron Pipe
For Water, Gas, Steam, Oil, Ammonia and Machinery.

DRAIN PIPES,
PORTLAND CEMENTS,
FIRE BRICKS AND CLAY
SILICA AND MAGNESIA BRICKS,
with specially prepared mortar.
Contractors' and Founders' Supplies.
F. HYDE & CO.
31 WELLINGTON ST., MONTREAL

. . FULL STOCK . .
Salt Glazed Vitrified
SEWER PIPE
Double Strength Culvert Pipe a Specialty.
THE CANADIAN SEWER PIPE CO.
HAMILTON, ONT. TORONTO, ONT.
ST. JOHNS, QUE.

Deseronto Iron Co.
LIMITED
DESERONTO, ONT.
Manufacturers of
Charcoal Pig Iron
BRAND "DESERONTO."
Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

allowed. Nuts, square, 3¾c. per lb. off list; hexagon nuts, 4c. per lb. off list. To all retailers an extra discount of ¼c. per lb. is allowed.

BUILDING PAPER — The trade in building paper is picking up some, orders for spring having begun to arrive. As yet, however, the movement is not large. We quote as follows: Tarred felt, $1.70 per 100 lb.; 2-ply, ready roofing, 85c. per roll; 3-ply, $1.10 per roll; carpet felt, $2.25 per 100 lb.; dry sheathing, 35c. per roll; tar sheathing, 45c. per roll; dry fibre, 55c. per roll; tarred fibre, 65c. per roll; O.K. and I.X.L., 70c. per roll; heavy straw sheathing, $30 per ton; slaters' felt, 60c. per roll.

CORDAGE — Trade is better than last week. Prices are still firm. We quote as follows: Manila, 15½c.; British Manila at 13½c.; sisal, 12c. and lathyarn at 10½c. Manitoba prices are: Manila, 16c.; British Manila, 14½c.; sisal, 13c. and lathyarn, 12c.

RIVETS AND BURRS — There is nothing new to note. A moderate trade continues. The discounts are as follows: Best iron rivets, section, carriage, and wagon box, black rivets, tinned do., coopers' rivets and tinned swedes rivets, 60 and 10 per cent.; swedes iron burrs are quoted at 55 per cent. off; copper rivets, 35 and 5 per cent. off, and coppered iron rivets and burrs, in 5-lb. carton boxes, are quoted at 60 and 10 per cent. off list.

SCREEN CLOTH — There is little doing. The prices remain at $1.25 per 100 square feet.

POULTRY NETTING — The demand for spring delivery is keeping up well. Canadian or English is quoted at a discount of 60 per cent. off 2 x 2 mesh, 19 wire, and 55 per cent. off 2 x 2 mesh heavier, Canadian list.

HARVEST TOOLS — There is no change. The discount is 70 per cent.

FIREBRICKS — The demand is fairly good. We quote as follows: Scotch at $19 to $23.50 and English at $18.50 to $22.50 per 1,000.

CEMENT — There is little doing. We quote: German cement, $2.30 to $2.40; English, $2.25 to $2.35; Belgian, $1.70 to $1.95 per bbl. ex-wharf, and American, $2.20 to $2.30 ex-cars.

METALS.

Business in most lines is rather flat this week. There have been no changes in prices since our last report.

PIG IRON — There is a small movement at steady prices. We quote: Summerlee at $21 to $21.50 and Canadian at $18.50 to $19.

BAR IRON — Business is not active. Merchants' bar sells for $1.87½ in carlots and $1.95 in smaller quantities. Horseshoe is worth $2.15 to $2.20.

BLACK SHEETS — A fair trade is doing, but it is mostly in small orders. Our quotations are as follows: 28 gauge, $2.65; 26 gauge, $2.60; 20 to 24 gauge, $2.50, and 8 to 20 gauge, $2.50.

GALVANIZED IRON — There is not much change. Business is dull. We quote: No. 28, Queen's Head, $4.40; Apollo, 10¾ oz., $4.40; Comet, $4.25 with 10c. extra in less than case lots.

INGOT COPPER — Since the drop in price last week there has been no change. The price remains at 14½c.

INGOT TIN — There is only a small demand. The price for Straits is 27c.

ANVILS AND VISES
MADE BY
Henry Wright & Co.
SECOND TO NONE.
PRICE MODERATE.
STOCK IN MONTREAL.
A. C. LESLIE & CO.
AGENTS MONTREAL.


IRON AND BRASS
Pumps
Force, Lift and Cistern Hand and Power.
For all duties. We can supply your wants with —quality the best and prices right. Catalogues and full information for a request.
THE R. McDOUGALL CO., Limited
Manufacturers, Galt, Canada.

ADAM HOPE & CO.
Hamilton, Ont.
We offer for prompt shipment
Pig Tin,
L. & F. and STRAITS.
Ingot Copper, O.C.
Pig Lead.
Spelter.
Antimony.

NOVA SCOTIA STEEL CO.
Limited
NEW GLASGOW, N.S.
Manufacturers of
Ferrona Pig Iron
And SIEMENS MARTIN
Open Hearth Steel

FOR THE STREET



THE TRADE "M&M" MARK LIGHT



FOR THE STORE

What "M & M" Lamps Do.

They give a stronger, whiter, steadier light than the electric arc. Operate easily, safely, satisfactorily. Save money—actual 600 candle-power light at a cost of one-half cent an hour. Think of it! Write for circulars, etc. GOOD AGENTS WANTED- Exclusive territory allowed.

ACORN BRASS WORKS,
Dept. 11, 15-23 Jefferson Street - - CHICAGO, ILL.

What "M & M" Lamps Save.

Barrett Hardware Co, Joliet, Ill., write: "Gasoline and supplies for "M & M" Lamps cost us $15.46 last year, an average of 60c. a month per lamp. We believe we had as good a light as though we had six electric arc lights at a cost of $360." No wonder that over 30,000 "M & M" Lamps are in use all over the United States and Canada. THEY KILL BIG GAS AND ELECTRIC LIGHT BILLS. It will pay you to investigate. Write for circulars. AGENTS WANTED. Dept. 11, 15-23 Jefferson St., Chicago.

RICHARD JOHNSON, CLAPHAM & MORRIS LIMITED, MANCHESTER AND LIVERPOOL, ENG.

CABLE ADDRESS—"Metallicus," Manchester.
CODES USED—ABC, A1, Liebers and Private Code.

Manufacturers and Metal Merchants

GALV'D SHEETS
GALV'D CANADAS
BLACK SHEET IRON
BLACK CANADAS
Range & Furnace SHEETS

TINPLATES, TERNES
TINNED SHEETS
PIG TIN, PIG LEAD
WIRE NETTING
GALV'D BARB WIRE



WAREHOUSE LEVER STREET

MONTREAL OFFICE:
Messrs. Copland & Co., Imperial Buildings.

HALIFAX OFFICE:
Messrs. Grant, Oxley & Co, 68 Bedford Row.

PIG LEAD — A fair and steady demand is reported this week. We quote: $3.15 to $3.20.

LEAD PIPE — Business is, as usual, at unchanged prices. We quote: Ordinary 7c., composition waste, at 7½c., with 30 per cent. off.

IRON PIPE — A good movement continues and prices are firm. We quote: Black pipe, ¼, $3.00 per 100 feet; ⅜, $2.95; ½, $3.10; ¾, $3.45; 1-inch, $5; 1¼, $7.10; 1½, $8.50; 2-inch, $11.35. Galvanized, ½ $4.40; ¾, $5; 1-inch, $7.15; 1¼, $10; 1½ $12; 2-inch, $15.95.

TINPLATES — There is not much doing. Cokes sell at $3.75 to $4, and charcoal at $4.25 to $4.50.

CANADA PLATE — Prices remain steady, and there is little doing. We quote: 52's, $2.65 to $2.70; 60's, $2.75 to $2.80; 75's, $2.80 to $2.85; full polished, $3.75 and galvanized, $4.25 to $4.35.

STEEL — The firm prices continue, and the demand is fair. Our quotations are: Sleigh shoe, $2.05; tire, $2.15; bar, $2; spring, $2.85; machinery, $2.85, and toe-calk, $2.60.

SHEET STEEL — There is no change. Quotations are as follows: Nos. 10 to 20, $2.50; 3-16, $2.50; ¼, 5-16 and ⅜, $2.40.

TOOL STEEL — Black Diamond, 8c. and Jessop's, 13c.

TERNE PLATES — There is a fair inquiry for terne plates. We quote $7.75 to $8.00.

COIL CHAIN — There is a little better movement, but still the demand is small. We quote as follows: No. 6, 12½c.; No. 5, 10½c.; No. 4, 10c.; No. 3, 9½c.; ¼-in., 7¼c. per lb.; 5-16, $4.80; 5-16 exact, $5.25; ⅜, $4.25; 7-16, $4.05; ½, $3.85; 9-16, $3.75; ⅝, $3.55; ¾, $3.50; ⅞, $3.45; 1-in., $3.45. In carload lots an allowance of 10c. is made.

SHEET ZINC — There is a small movement at $5.75 to $6.25.

ANTIMONY — The market is unchanged and the price is still 10c.

ZINC SPELTER — The trade is quiet at 5c.

SOLDER — We quote: Bar solder, 18c.; wire solder, 20c.

PAINTS AND OILS.

After a somewhat quiet fortnight, owing to the holidays, business in Montreal has started in briskly. All the factories seem to be preparing for a heavy spring business. Early ordering would be a wise policy, as business at present points to a general rush in February and March, in which the usual slow deliveries would occur. Changes this week are noted in ground white lead and turpentine. In the former, the reduction has been 12½c., which, it is thought, will lead to a good demand, as grinders are keeping these prices firm till May 15. There is a strong demand for turpentine in the South, and the visible supply not being excessive, prices have been advanced 2c. In the opinion of a few dealers, a rising market may be experienced for some time. The situation in linseed oil, which has been so erratic of late, is somewhat steadier, and no changes in prices have been made since our last quotations. Paris green is being inquired after freely. The country seems to be pretty short in stock and Canadian manufacturers have now a large quantity ready for shipment. We quote:

WHITE LEAD—Best brands, Government standard, $5.87½; No. 1, $5.50; No. 2 $5.12½; No. 3, $4.75; No. 4, $4.37½ all f.o.b. Montreal. Terms, 3 per cent. cash or four months.

DRY WHITE LEAD—$5.25 in casks; kegs, $5.50.

DRY WHITE ZINC — Pure dry, 6¼c.; No. 1, 5¼c.; in oil, pure, 7¼c.; No. 1, 6¼c.; No. 2, 5¼c.

PUTTY — We quote: Bulk, in bbls., $1.90 per 100 lb.; bulk, in less quantity, $2.05; bladders, in bbls., $2.25; bladders, in 100 or 200 lb. kegs or boxes, $2.40; in tins, $2.55 to $2.65; in less than 100-lb. lots, $3 f.o.b. Montreal, Ottawa, Toronto, Hamilton, London and Guelph. Maritime Provinces, 10c. higher, f.o.b. St. John and Halifax.

ORANGE MINERAL—Casks, 7c.; 100 lb. kegs, 7¼c.; smaller quantities, 8¼c.

RED LEAD — Genuine red lead in casks, $4.50; in 100-lb. kegs, $4.75; less quantities, $5.75 per 100 lb. No. 1 red lead, casks, $4.25; kegs, $4.50, and smaller quantities, $5.50.

LITHARGE—Ground, casks, 5c.; less, 5½c.; flake litharge, casks, $5.25; smalls, $5.75 per 100 lb.

LINSEED OIL—Raw, 75c.; boiled, 78c. in 5 to 9 bbls., 1c. less, 10 to 20 bbl. lots open, net cash, plus 2c. for four months. Delivered anywhere in Ontario

between Montreal and Oshawa at 2c. per gal. advance and freight allowed.

TURPENTINE — Single bbls., 60c.; 2 to 4 bbls., 59c.; 5 bbls. and over, open terms.

SHELLAC VARNISH — Pure white, $2.35 to $2.45; orange, $2.25 to $2.35.

MIXED PAINTS—$1.20 to $1.45 per gal.

CASTOR OIL 8¾ to 9¼c. in wholesale lots, and ½c. additional for small lots.

SEAL OIL 47½ to 49c.

COD OIL—32½ to 35c.

PARIS GREEN — Petroleum barrels, 16¾c. per lb.; arsenic kegs, 17c.; 50 and 100-lb. drums, 17½c.; 25 lb. drums, 18c.; 1-lb. packages, 18½c.; ½-lb. packages, 20½c.; 1-lb. tins, 19½c.; ½-lb. tins, 21½c. f.o.b. Montreal. Terms: 3 per cent. 30 days, or four months from date of delivery.

GLASS.

The movement is a small one, and there is no change in prices, which are firm. We quote as follows: First break, 50 feet, $2.10; second, $2.20 for 50 feet; first break, 100 feet, $4; second break, $4.20; third break, $4.70, and fourth break, $4.95.

SCRAP METALS.

There is a fairly good movement on most lines. Prices remain steady. We quote as follows: Heavy copper and wire, 13½ to 14c. per lb.; light copper, 12 to 12½c.; heavy brass, 12 to 12½c.; heavy yellow, 9½c.; light brass, 6½c.; lead, 2⅝ to 2⅝c. per lb.; zinc, 2 to 2¼c.; iron, No. 1, wrought, $10 light brass, 6½c.; lead, 2½ to 2¾c. per lb.; zinc, 2 to 2¼c.; iron, No. 1, wrought, $10 to $15 per gross ton f.o.b. Montreal; stove plate, $8 to $9; machinery scrap, $14; light iron, No. 2, $5 a ton; malleable and steel, $4; rags, country, 60 to 70c. per 100 lb.; old rubbers, 7 to 7¼c. per lb.

HIDES.

Business is somewhat quiet, and prices are unchanged. We quote as follows: No. 1 hides, 7½c.; No. 2, 6½c.; No. 3, 5½c. Sheepskins, 60c.

MARKET NOTES.

Turpentine is 2c. higher and prices are becoming firmer.

There has been a reduction of 12½c in ground white lead.

The new list adopted by The Montreal Rolling Mills Co. and by Peck, Benny & Co., is the same that has been in use by The Canada Horse Nail Co. during the past year.

ONTARIO MARKETS.

Toronto, January 10, 1902.

HARDWARE.

THE travellers have again resumed their respective routes, and business is beginning to recover from its holiday quietude. In volume, business is not yet large, but it is fair. The outlook for the spring trade is good. Quite a few orders for future shipment in such goods as harvest tools, spades and shovels, green wire cloth, spring hinges, ice cream freezers and poultsy netting are coming to hand. A number of orders for general hardware have come to hand from the Northwest during the past week. Some orders for fence wire are being booked. Bolts and rivets continue in good demand. Business is fair in screws. Very little is being done in nails. Horseshoes and horse nails are in moderate request. In sporting goods and cutlery, there is very little doing. White lead is 25c. per 100 lb. lower, and pure manila rope advanced another ½c. per lb. on the 9th inst. The various manufacturers' associations are holding their regular meetings in Toronto this week, but up to the time of writing, no changes have been made in prices.

BARB WIRE—A fair number of orders are being placed on import account. Advices from the United States report the demand there good, with prices rather easy, however. We quote, f.o.b. Cleveland, $2.77½ for less than carlots, and $2.65 for carlots. From stock Toronto, $3.

GALVANIZED WIRE — Some business on future account is being done this week. We quote as follows: Nos. 6, 7 and 8, $3.50 to $3.85 per 100 lb., according to quantity; No. 9, $2.85 to $3.15; No. 10, $3.60 to $3.95; No. 11, $3.70 to $4.10; No. 12, $3 to $3.30; No. 13, $3.10 to $3.40; No. 14, $4.10 to $4.50; No. 15, $4.60 to $5 50; No. 16, $4.85 to $5.35. Nos. 6 to 9 base f.o.b. Cleveland are quoted at $2.52½ in less than carlots and 12c. less for carlots of 15 tons.

SMOOTH STEEL WIRE—A few orders for spring delivery are reported for oiled and annealed. We quote net: Nos. 6 to 8, $2.90; 9, $2.80; 10, $2.87; 11, $2.90; 12, $2.95; 13, $3.15; 14, $3.37; 15, $3.50; 16, $3.65. Delivery points, Toronto, Hamilton, London and Montreal, with freights equalized on those points.

WIRE NAILS — As we go to press the wire nailmakers are considering the question of prices, but so far have come to no decision. The base price is nominally $2.85 for less than carlots, and $2.77½ for carlots. Delivery points, Toronto, Hamilton, London, Gananoque and Montreal.

CUT NAILS—No change, trade still being dull. The base price is $2 55 per keg, with 10c. allowance on carlots.

HORSE NAILS—Business is just moderate. Discounts are as follows: "C" brand, oval head, 50 and 7½ per cent., and on "M" and other brands, 50, 10 and 5 per cent. Countersunk head 60 per cent. All the manufacturers are now understood to be selling off the same list.

HORSESHOES—The demand is moderate, with prices unchanged. We quote f.o.b. Toronto as follows: Iron shoes, No. 2 and larger, light, medium and heavy, $3.60; snow shoes, $3.85; light steel shoes, $3.70; featherweight (all sizes), $4.95; iron shoes, No. 1 and smaller, light, medium and heavy (all sizes), $3.85; snow shoes, $4; light steel shoes, $3.95; featherweight (all sizes), $4.95.

We have on hand a large stock of steel sheets for making

EMBOSSED CEILINGS,

etc., and are now prepared to make prompt shipment of anything required in our line, and shall be pleased to receive your orders which shall have our best attention.

The Metallic Roofing Co.
LIMITED
Wholesale Manufacturers
TORONTO, - - - CANADA

SCREWS—Business keeps fairly good. The discounts are as follows: Flat head bright, 87½ and 10 per cent.; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.; round head bronze, 65 per cent., and flat head bronze at 70 per cent.

RIVETS AND BURRS—A good demand is reported this week for rivets. We quote: Iron rivets, 60 and 10 per cent.; iron burrs, 55 per cent.; copper rivets and burrs, 25 and 5 per cent.

BOLTS AND NUTS — An active trade is being done this week in bolts, and prices are unchanged. We quote as follows: Carriage bolts, common ($1 list), 55 and 5 per cent.; carriage bolts, full square ($2.40 list), 60 and 5 per cent.; carriage bolts, Norway iron ($3 list), 60 and 5 per cent.; machine bolts, all sizes, 55 and 5 per cent.; coach screws, 70 per cent.

ROPE—Another advance of ½c. in the price of pure manila rope took place on January 9. We now quote: Pure manila, 16c.; British manila, 13½c.; sisal, 12c.

CUTLERY—Very little is being done in cutlery.

SPORTING GOODS—Trade is quiet and featureless.

STRUCTURAL MATERIAL—For all kinds of structural material the demand is good.

MILK CAN TRIMMINGS—These are going out quite freely this week, and a number of dealers are sending in requests for early shipment. Discount is 25 per cent., the same as last year.

GRANITE AND TINWARE—The demand for both these lines is only fair.

CEMENT—The outlook is a little better than last week, and a few inquiries have been made, but as yet no extensive orders have been placed, nor will there be till towards Spring. We quote: Canadian Portland, Rathbun's "Star," $2.25 to $2.65; "Beaver," $2.10 to $2.50; "Ensign," $1.90 to $2.30; German, $3.15; English, $3; Belgian, $2.50 to $2.75; Canadian hydraulic, $1.25 to $1.50 per bbl.

METALS.

Trade is, on the whole, fairly good. Tin is weak and lower, but in other metals prices are as a rule firm.

PIG IRON—The pig iron market continues firm, and further advances are reported from the United States. For Canadian iron we still quote $17.50 to $18 on track Toronto for No. 2 foundry.

BAR IRON—A good, steady demand is still to be noted, and prices rule firm. Base price $1.95 to $2.05. Extras cut to length while rolling: 2 ft. and over, 10c. per 100 lb.; 1 ft. and under 2 ft., 15c.; under 1 ft., 20c.; over 20 ft. by special agreement, according to length and size.

STEEL—Trade is quiet, but prices continue firm. We quote: Merchantable cast steel, 9 to 15c. per lb.; drill steel, 8 to 10c. per lb.; "BC" and "Black Diamond" tool steel, 10 to 11c.; Jessop's, Morton's and Firth's tool steel, 14c.; toe-calk steel, $2.85 to $3; tire steel, $2.30 to $2.50; sleighshoe steel, $2.10 to $2.25; reeled machinery steel, $3, hoop steel, $3.10.

BLACK SHEETS—A fairly good business is still to be noted. We quote: Common, $3.15 for 28 gauge; and dead flat, $2.50 for 26 gauge.

CANADA PLATES—Trade is still good for this time of the year. We quote: All dull, $3.05; half polished, $3.15; all bright, $3.75.

GALVANIZED SHEETS—Some fairly good sized lots have been turned over during the week, and the demand generally is good. We quote as follows: "Queen's Head" brand at $4.50 in case lots, and $4.65 in less quantities.

TIN—The outside markets are dull and lower. The idea as to price locally is $29 to $30 per 100 lb.

TINPLATES—There is a fairly good movement, but stocks are short with some jobbers, shipments having been delayed in coming forward. The idea for coke plates is still $4.25 for I. C.

TINNED SHEETS—Quite a number of shipments are going forward, quite a number of dealers being anxious to get delivery. We quote: 72 x 30, up to 24 gauge, 7½c.; ditto, up to 26 gauge, 8c.

TERNE PLATES—Business is almost nil. We quote: I.C., 20 x 28 gauge, at $8 50.

COPPER—The outside copper markets are a little firmer, although there does not appear to be much business doing. Locally, trade conditions are much about the same as a week ago. We quote ingot at $16 per 100 lb. and sheet at $23 to $25 per 100 lb.

BRASS—Quiet. Discount is 10 per cent. on rod and sheet.

SOLDER—Business is moderate. We quote: Half-and-half, guaranteed, 19 to 19½c.; do. commercial, 19c.; refined, 18½c.; wiping, 18c.

LEAD—At the time of writing lead is a little firmer in London but easier in St. Louis. Locally, business is fair at the recent decline. We quote: $3.50 to $3.75 for pig lead and $5 for bar.

IRON PIPE—Business is just moderate. We quote: Black pipe, $5.40 for 1-inch.

SPELTER—A moderate demand is being experienced. We quote $5.50 to $6 per 100 lb.

ZINC SHEET—Trade is fair at $6 to $6.25.

PAINTS AND OILS.

The movement in paints and oils is beginning to show signs of improvement after the last few weeks of depression. The travellers have all gone out to their fields, and a more hopeful feeling is experienced regarding the coming season's trade. The prices of white lead ground in linseed oil have been lowered 25c. per 100 lb. by the paint grinders' association, and now the prices are quoted the same as at Montreal and other centres. The prices of raw and boiled oil ought to be very firm, as raw linseed has advanced on the Chicago market. We quote:

WHITE LEAD—Ex Toronto, pure white lead, $5.87½; No. 1, $5.50; No. 2. $5.12½; No. 3, $4.75; No. 4, $4.37½ in pkgs. of 25 lb. and upwards; ½c. per lb. extra will be charged for 12½-lb. pkgs.; genuine dry white lead in casks, $5.12½.

RED LEAD—Genuine, in casks of 560 lb. $5.12½; ditto, in kegs of 100 lb., $5.50; No. 1, in casks of 560 lb., $4; ditto, kegs of 100 lb., $4.50.

LITHARGE—Genuine, 6 to 6½c.

ORANGE MINERAL—Genuine, 7½ to 8c.

WHITE ZINC—Genuine, French V.M., in casks, $6 to $6.25; Lehigh, in casks, $6.

BENZINE—In barrel lots, 16½c. per gal.; less quantities, 25c. per gal.

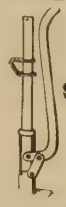
PARIS WHITE—90c. to $1 per 100 lb.

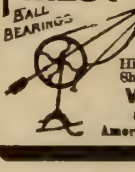
WHITING—65c. per 100 lb.; Gilders' whiting, 80c.

GUM SHELLAC—In cases, 35c.; in less than cases, 40c. per lb.

LIQUID SHELLAC—Pure orange, in bbls.,

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.
'WELLINGTON' KNIFE POLISH
JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
Wellington Mills, London, England.
Agent:
JOHN FORMAN, 644 Craig Street
MONTREAL

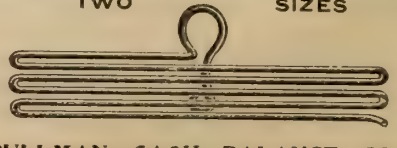

COVERT MFG. CO.
West Troy, N.Y.
Steel Carriage and Wagon Jacks,
Harness Snaps, Chain, Rope and Web Goods, etc.
FOR SALE BY JOBBERS AT MFRS. PRICES.

PRIEST'S CLIPPERS
BALL BEARINGS

Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., U.S.A.

Don't Forget the Name. . .
NEWMAN'S INVINCIBLE
FLOOR SPRINGS
Strong, Quick, Reliable, Effective.
Will close a door against any pressure of wind. Far ahead of ordinary door springs pneumatic or otherwise. Ask your wholesaler.
W. NEWMAN & SONS, Birmingham.

Oneida Community Goods
HALTERS, COW TIES, SNAPS, etc., etc.,
in all sizes and styles. May be had of all jobbers throughout Canada.
Factory—NIAGARA FALLS, ONT.

MACKENZIE BROS.
HARDWARE
MANUFACTURERS' AGENTS,
Travellers covering Manitoba, Northwest Territories and British Columbia.
WINNIPEG MAN.
CORRESPONDENCE SOLICITED.

"PULLMAN"
TROUSER or SKIRT HANGERS.
TWO SIZES

PULLMAN SASH BALANCE CO.,
ROCHESTER, N.Y., U.S.A.

$2.25 to $2.35; white, $2.35 to $2.45 per gal.; in less quantities, 10c. extra.

PUTTY—Bladders, in bbls., $2.25; bladders, in 100 lb. kegs, $2.40; bulk in bbls., $1.90; bulk, less than bbls. and up to 100 lb., $2.05; bladders, bulk or tins, less than 100 lb., $2.90.

PLASTER PARIS—New Brunswick, $1.90 per bbl.

PUMICE STONE — Powdered, $2.50 per cwt. in bbls., and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in bbls.

LIQUID PAINTS—Pure, $1.20 to $1.30 per gal.

CASTOR OIL — English, in cases, 9½ to 10c. per lb. and 10 to 10½c. for single tins.

LINSEED OIL—Raw, 1 to 4 barrels, 77c.; boiled, 80c.; 5 to 9 barrels, raw, 76c.; boiled, 79c., delivered. To Toronto, Hamilton and London, 2c. less.

TURPENTINE—Single barrels, 59c.; 2 to 4 barrels, 58c., delivered. Toronto, Hamilton and London 1c. less. For less quantities than barrels, 5c. per gallon extra will be added, and for 5-gallon packages, 50c., and 10-gallon packages, 80c. will be charged.

GLASS.

Things are quiet in glass. A little local retail trade is doing. We quote as follows: Under 26 in., $4.25; 26 to 40 in., $4.65; 41 to 50 in., $5.10; 51 to 60 in., $5.35; 61 to 70 in., $5.75; 71 to 80, $6.25; 81 to 85, $7; 86 to 90, $7.75; Toronto, Hamilton and London. Terms, 4 months, or 3 per cent. 30 days.

OLD MATERIAL.

While there is no particular change in the copper market, it is conceded that bottom prices have now been reached, and that, while there may be no immediate rise, there will be no further decline. This week heavy copper has gone down 1c. per lb.; new light scrap copper 1c., bottoms 2c., coil wire 1c., heavy red brass 1c. and scrap rubber ¼c. per lb. We quote as follows: Agricultural, 60c. per cwt.; machinery cast, 60c.; heavy copper, 11c. per lb.; stove cast, 40c.; No. 1 wrought, 50c. per 100 lb.; new light scrap copper, 9c. per lb.; bottoms, 8c.; coil wire, 12c.; light brass, 6c.; heavy yellow brass 8c.; heavy red brass, 9½c.; scrap lead, 2¼c.; zinc, 2c.; scrap rubber, 6c.; good country mixed rags, 50 to 60c.; clean dry bones, 40 to 45c. per 100 lb.

HIDES, SKINS AND WOOL.

Trade is quiet. On account of their drop in the Chicago market green hides have gone down ½c. per lb. all around. This usually occurs every year, as the hides now marketed are of poorer quality, having longer hair and thinner skins. We quote prices paid by buyers on arrival:

HIDES—We quote: No. 1, green, 7½c.; No. 2 green, 6½c.; No. 1 green, steers, 8c.; No. 2 green, steers, 7c.; cured, 7¾ to 8¼c.

SKINS—We quote: No. 1 calfskins, 9c.; and No. 2, 7c.; deacons (dairies) 55 to 60c. each; sheepskins, 65 to 75c.; deerskins, 12½ to 14c. per lb.

WOOL—We quote: Fleece, 13c., and unwashed, 7 to 8c. per lb.

SEEDS.

No further change has occurred, but the foreign export demand is rather better. We quote: Red clover, $5 to $5.40; alsike, $6.50 to $8.50, and timothy, $2.25 to $3 per bush.

PETROLEUM.

The movement is steady, with prices firm. We quote: Pratt's Astral, 16½ to 17c. in bulk (barrels, extra); American water white, 17 to 17½c. in barrels; Photogene, 16½ to 17c.; Sarnia water white, 16 to 16½c. in barrels; Sarnia prime white, 14½ to 15c. in barrels.

COAL.

We see no change in the situation. Cars still are scarce. There has been no change in prices. We quote at international bridges: Grate, $4.75 per gross ton; egg, stove and nut, $5 per gross ton; soft coal, $2.50 to $3.25 in bond, according to grade.

KEARNEY & FOOTE BRAND

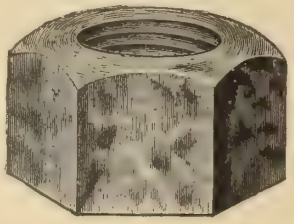
FILES AND RASPS



WARRANTED

Files of the above brand are standard, and are well known for their excellence of cut, temper and finish, and the K. & F. Horse Rasp is one of the leaders in this line, and is in demand in all parts of the Dominion. These goods are stocked by the following wholesale hardware merchants, and may be procured from either of them at bottom prices:

THE JAMES ROBERTSON CO., Winnipeg, Man.
H. S. HOWLAND, SONS & CO., Toronto, Ont.
THE SEYBOLD & SONS CO., Montreal, Que.
HOWDEN, STARKE & CO., Montreal, P.Q.
T. McAVITY & SONS, St. John, N.B.
H. H. FULLER & CO., Halifax, N.S.



THE JOHN MORROW MACHINE SCREW COMPANY, Limited

Manufacturers of

Set and Cap Screws, Special Milled Work, Engine Studs, Etc. Cold Punched Nuts of every variety of finish.

INGERSOLL, ONT.

MARKET NOTES.

Pig tin is quoted lower at $29 to $30 per 100 lb.

Pure manila rope is ½c. higher, being quoted at 16c. per lb.

The prices for white leads ground in linseed oil have taken a drop of 25c. per 100 lb.

The prices of heavy copper have gone down 1c. per lb.; new light scrap copper, 1c.; bottoms, 2c.; coil wire, 1c.; heavy red brass, 1c., and scrap rubber, ¼c. per lb.

CAP D'OR COPPER PROPERTIES.

In Cumberland County, N.S., a New York syndicate is working copper properties at Cap d'Or. Some of the ore is very rich, and the company has already expended over $100,000 in the work of development, employing over 100 men, who will shortly be increased to 150. A regular little village has sprung up around this mine, where many beautiful pockets of almost pure copper have been already found.

NOVA SCOTIA MARKETS.

Halifax, January 6, 1902.

THIS is the season of the year, above all others, in which the hardware trade is the dullest, and except the ordinary city trade, there is little doing except stock taking, and straightening up stock for the current year's business.

R. G. Dun & Co.'s report for the past year is summed up as follows. "Though profits generally were not so large as in 1900, a larger volume of trade was done; sales increased considerably, and markets showed firmness and steadiness, especially in heavy metals." With this report the dealers generally agree as a fair statement.

* * *

The boom in Sydney of the last two years, consequent on the introduction and installation of The Dominion Iron and Steel Co.'s works, has been of interest to the whole Province and Canada in general, and more especially to those engaged in the hardware trade. Iron, in large quantities, has been made for some months, but it remained for the closing days of 1901 in which to produce the first steel.

* * *

The following is the message sent over the wires to the directors of the company, by Mr. Moxham, the manager, on December 30, and which produced a flutter of excitement and comment in iron circles, not alone in Canada, but the world over: "Poured first heat of steel at 8 o'clock to-night. Everything worked well. Steel made by ordinary pig and scrap process: Sixty per cent. Bell Island pig and 40 per cent. scrap. Quality of steel is excellent."

* * *

The steel manufactured is in the form of ingots, and it is said that the company have already found a market for all they can produce. In about two weeks' time the blooming mill will be in operation, when the ingots will be converted into billets. As steel enters so largely in the various manufactures in all lines, its production insures the success of The Dominion Iron and Steel Company.

* * *

The first heat of steel produced about 30 tons of steel. This was from one furnace, of which there are 10, each having a capacity of 50 tons per day. The company is now making steel regularly every day, and soon all the furnaces will be in operation. The success of the company means much for Nova Scotia; it means much for Canada.

* * *

During the year 1901 the public accounts will show that the Dominion Government has paid the following amounts in bounties on iron manufactures: On pig iron, $351,259.07; puddled bars, $16,703.09; steel ingots, $100,157.74. Next year will see the amounts largely increased.

R. C. H.

TRAVELLERS WANT TO ORGANIZE.

The advisability of forming a local commercial travellers' association at Peterboro' was discussed by a well attended meeting last week at the Oriental Hotel there. It was decided to send a deputation to wait on the president of The Toronto Commercial Travellers' Association, and urge upon them the importance of the step contemplated. Another is to wait on The Dominion Commercial Travellers' Association, at Montreal, for the same purpose.

J. C. Grant, Secretary of The Peterboro' Association, was instructed to write the various commercial travellers' organizations, that the names of any members residing in that town might be obtained. He was also requested to write the chief officer of The Toronto Travellers' Association, for as much information as would be required before organizing a camp in Peterboro'.

THE COPP BROS. & CO. AFFAIR.

The Toronto Globe of the 9th instant, says: "'Hardware and Metal' tells a remarkable story of the liquidation of the firm of Copp Brothers & Co., stove manufacturers, Hamilton. When one reads an article on a failure or liquidation he expects to find some revelation of fraud or recklessness, resulting in heavy losses to creditors. In this case the remarkable fact is that every creditor has been paid in full, and that in spite of the enormous sacrifices made in winding up the business a handsome surplus remains. We used to hear a great deal about the evil of incompetent men in business. The evil in this case is the needless forcing out of business of honest and competent men, representing a firm which was established 53 years ago.

"The direct cause of the liquidation, it is said, was the action of the Merchants Bank in insisting on the immediate payment of $37,000. The bank, no doubt, had a legal right to enforce its claim, and must be presumed to have understood its own business; but the result of the liquidation certainly makes the case a very strange one. It might be supposed that a firm able to make so good a showing would have been able to raise the money elsewhere. Whatever may have been the cause, the result is very much to be regretted."

CANADIAN COAL FOR BOSTON.

The Dominion Coal Company have succeeded in securing an order of 80,000 tons for the Boston and Maine Railway, and a further order for some 15,000 tons for the Maine Central. At the present time in Boston there is delay in the moving of coal, causing a scarcity. The duty of 67 cents a ton is, however, a barrier to Provincial coal companies taking advantage of the scarcity. There is no foundation for the report that this company had sold 50,000 tons to a French railway. It is said that the company had an offer from Italy to send some 30,000 tons, but the conditions were such that the offer had to be declined. Some coal has been sold in Sweden and there is hope of further sales. The company will send one or two of its experts, with a steamer to carry about 7,000 tons to that country, to initiate Swedish firemen into the secrets of most effectively handling the coal. To sell coal in Europe at this time is not so easy a matter as it would have been a year ago. Then prices were stiff and steady, whereas now they are easy and uncertain. And yet there is hope that a good foreign trade may develop by degrees.—Mining Record.

THE LONDON SCALE WORKS
GEORGE M. FOX
(Successor to John Fox)
Manufacturer of Railroad, Hay and Platform Scales.
91 York Street, LONDON, ONT.



Ontario Nut Works, Paris
BROWN & CO.
Manufacturers of
All sizes of Hot Pressed Nuts, Square and Hexagon.

ALEXANDER GIBB
Manufacturers' Agent and Metal Broker,
13 St. John Street, Montreal
Representing British and American Manufacturers. Correspondence invited from firms wishing to be represented in Canada.

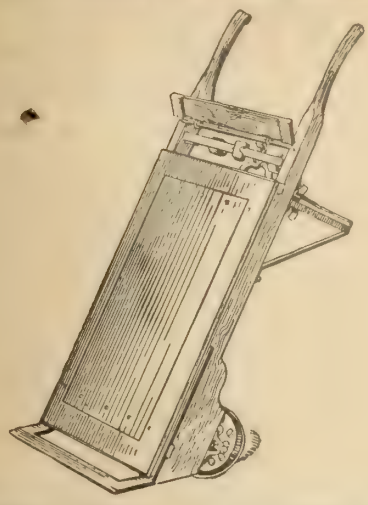
LABELS
Every Description, Shape and Colors
Stock Labels for Hardware trade
LEVY & CO., 19 Leader Le., TORONTO

The Long Distance Telephone
IS THE
IDEAL RAPID TRANSIT.
Long distance equipment increases the speed, and cuts down overtime charges.
The contract department will furnish particulars.
THE BELL TELEPHONE CO. OF CANADA.

The Grey and Bruce Portland Cement Company of Shallow Lake, Limited,
Manufacturers of
"HERCULES" BRAND OF
Portland Cement
Unsurpassed for Sidewalks, Floors, and all work requiring the Highest Grade of Portland Cement.
HEAD OFFICE: OWEN SOUND.

THE PARCELL DROP LEVER TRUCK SCALES.

Highly Endorsed by Government Inspectors.



Designed for Farm, Mill, Factory and Warehouse uses. Ask your Wholesale Dealer for cuts and prices, or write

AYLMER IRON WORKS CO., Limited, AYLMER, ONT.

BRITISH BUSINESS CHANCES.

Firms desirous of getting into communication with British manufacturers or merchants, or who wish to buy British goods on the best possible terms, or who are willing to become agents for British manufacturers, are invited to send particulars of their requirements for

FREE INSERTION

in "Commercial Intelligence," to the Editor

'SELL'S COMMERCIAL INTELLIGENCE,'
168 Fleet Street, London, England.

"Commercial Intelligence" circulates all over the United Kingdom amongst the best firms. Firms communicating should give reference as to bona fides.

N.B.—A free specimen copy will be sent on receipt of a post card.

R. BAILEY & SON

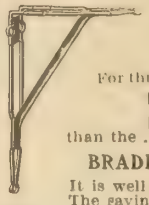
MANUFACTURERS OF

STOVE LININGS for Ranges and Ovens.

All kinds of Fire Brick and Fire Clay Work, Paving Tile, etc.

Wholesale Only. - - Write for particulars.

1220 Yonge Street, TORONTO.



Will Hold Up a Shelf!

That's what a shelf bracket is for.

For this purpose there can be

NOTHING BETTER
NOTHING CHEAPER

than the ....

BRADLEY STEEL SHELF BRACKET

It is well **Japanned, Strong** and **Light.** The saving in freight is a good profit, aside from the **lower price** at which the goods are sold.

☞ Order direct or through your jobber.

ATLAS MFG. CO., New Haven, Conn., U.S.A.

ONTARIO SILVER CO.,
Limited,
NIAGARA FALLS, CANADA.

Manufacturers of **FLATWARE, CUTLERY and ELECTRO PLATE.** . . .

Ask for our Catalogue and Quotations.

"THE EMLYN" SAW BENCH

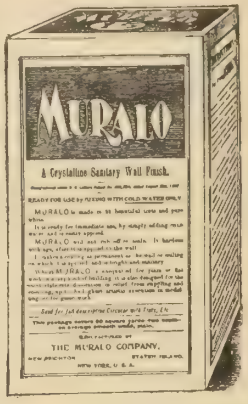
Made in 6 sizes. Best value obtainable. Specially designed for export With or without "Emlyn" Patent Guard. Sole maker—

CHARLES D. PHILLIPS,

Cables—
"Machinery," Newport.

Emlyn Engineering Works,
NEWPORT, MON., ENGLAND.

PERSONS addressing advertisers will kindly mention having seen their advertisement in Canadian Hardware and Metal Merchant.

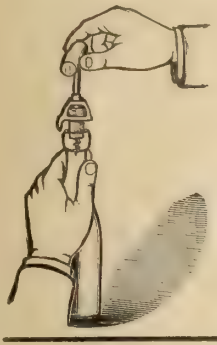


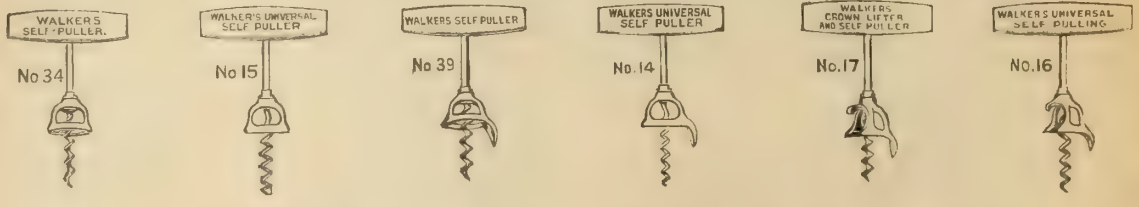
MURALO THE WALL FINISH

The most perfect **cold water** wall finish in the **cold water** business. Put up in handsome packages, strong and well packed. More durable than any other wall finish. More beautiful, healthier and a bigger money-maker. The Muralo Co. is the wealthiest and largest of its kind in the world, and is ready to assist with advertising and to back up all its agents and dealers the world over. Write for particulars.

A. RAMSAY & SON - MONTREAL
J. H. ASHDOWN - - WINNIPEG
McLENNAN, McFEELEY & CO., VANCOUVER
} **Agents**

See! You Don't Have to Pull. A Child Can Do It.





Walker's Self-Pulling Cork Screws

Made of Crucible Steel, Nickel Plated, Polished Apple Wood Handles.

EVERY ONE TESTED AND GUARANTEED. Several imitations on the market, but none as good.

Mfrd. only by **ERIE SPECIALTY CO., Erie, Pa., U.S.A.**

WE MANUFACTURE THE VERY BEST KINDS OF

PAINT AND COLOR CANS
VARNISH AND OIL CANS
PAINT PACKAGES
ROUND AND SQUARE PAINT IRONS
LYE TINS

Our goods are guaranteed to be reliable, and to give entire satisfaction. Quotations gladly submitted for any quantity.

THE ACME CAN WORKS

Office and Factory: Ontario St. and Jeanne D'Arc Avenue.

Jas. B. Campbell. MONTREAL. William Pratt.

HEATING AND PLUMBING

BUILDING IN TORONTO.

For the first week of 1902 the following building permits have been taken out in Toronto : Rose Ann Harrison, for a two-storey brick dwelling at 777 King street west, to cost $1,900 ; E. A. Drummen, for a two-storey and attic brick dwelling at 331 St. Clarence avenue, for $2,200 ; F. Caro, for alterations consisting of a stone cellar under his house at 968 Queen street west, for $450 ; to A. G. Strathy, for alterations and new front of brick, wood, and glass to his shop at 309 to 311 College street, for $200 ; Geo. Lasher, for two two-storey brick and stone stores and dwellings at 262 and 264 Dundas street, for $2,500 ; Catherine Corbett, for a two-storey brick dwelling on Brock avenue, for $2,500 ; John Waldie, for brick alterations and additions to dwelling at 75 Park Road, for $4,500 ; Toronto City Corporation, for two hay barns, one large sheep pen, and addition to stable at the cattle market, on Wellington avenue, for $3,750 ; Toronto City Corporation, for hay barns, stable and office, all frame, with gravel roofs, at the cattle market annex, on Strachan ave., for $1,250 ; and Marion Eastman, for a two-storey brick and roughcast dwelling on Woodbine avenue, for $900.

NEW HOTEL AT NEWCASTLE, N.B.

In a very short time a fine brick block, having a frontage of 103 feet with a depth of 70 feet, will be completed on N.B. It is faced with freestone and is the old Waverley Hotel site, at Newcastle, three storeys high, with a basement. The building is a very handsome structure with its neatly designed galvanized iron cornice, which adds much to its appearance. The building will contain a number of offices besides being used as a dry goods store, and as the quarters of the Bank of Nova Scotia for that town. The architect is H. B. McDonald, of Chatham, N.B., while the contractors are John McDonald & Co., also of Chatham.

BUILDING IN MONTREAL FOR 1901.

Montreal, during the year 1901, has been prosperous in the way of building operations, the revenue from the permits giving to the city alone the sum of $2,141.75. The total value of the new buildings erected during the past year is estimated at $2,568,372, and the repairs and alterations at $332,361, bringing the total up to $2,900,733. The total revenue for the Montreal Building Inspector's Department, for the past year, amounted to $6,526.42, including water rates, for which $2,991.71 was obtained.

IMPORTANT ARBITRATION CASE

By a document made two years ago between The Rathbun Co., of Deseronto, and The Standard Chemical Co., of Toronto, the former agreed to deliver a certain quantity of wood to the chemical company, by whom it was to be converted into charcoal. This charcoal was to be shipped to Deseronto, for use in the iron works there. The Standard Chemical Co. being entitled to the use of any gases or by-products obtained in the process of manufacture. This agreement is yet to remain in force six years, but a dispute recently occurred, and now the matter is left to arbitration before Judge Macdougall, Christopher Robinson, K.C., and S. Lazier, local master at Belleville. The amount involved is said to be large.

BUILDING IN GALT.

There have been 37 new houses erected at Galt during the year 1901, at a cost of $61,900, while alterations and repairs to buildings reached $31,135. Only $4,000 was spent on business blocks, but over $48,000 was expended for manufacturing establishments. There were $12,000 worth of unclassified building operations, the total of which was over $157,710.

BUILDING OPERATIONS IN SIX TOWNS.

Below is given a list showing the value of the building operations in the six towns of Galt, Woodstock, Stratford, Waterloo, Wingham, and Listowel, all neighborong rivals. Galt leads with $157,510, while Listowel comes last with $37,420 :

Galt	$157,510
Woodstock	150,000
Stratford	100,000
Waterloo	90,000
Wingham	75,000
Listowel	37,420

BUILDING NOTES.

The parish of Charlesbourg, P.E.I., has decided to build a new church.

Dennis Kelly is going to build a brick cottage, to cost $700, on King William street, Hamilton, Ont.

Peter Innes is building a new residence on his farm, at Coldbrook, Wolfville, Nova Scotia.

A new Roman Catholic church is to be built in the Little Farm district, Hull, Que. Tenders are now being received.

W. E. Tracey, of W. E. Tracey & Co., plumbers, Winnipeg, is dead.

C.P.R. LOWER RATES TO THE WEST

The Canadian Pacific Railway Company has issued a circular reducing its freight rates from the east to Manitoba and the Northwest points for the year 1902. By comparing the following the nature of these reductions can be seen :

Toronto to Fort William, old rate, first class, $1.35 ; second, $1.15 ; third, 90c.; fourth, 65c.; fifth, 57c.; sixth, 48c. New rate, first class, $1 ; second, 82c. ; third, 66c.; fourth, 47c.; fifth, 40c.; sixth, 34c.

Toronto to Winnipeg, old rate, first class, $1.81 ; second, $1.55 ; third, $1.24 ; fourth, 97c.; fifth, 82c.; sixth, 74c. New rate, first class, $1.78 ; second, $1.52 ; third, $1.21 ; fourth, 95c.; fifth, 80c.; sixth, 73c.

There are also corresponding reductions to Northwestern points. Under the Crow's Nest Pass agreement tariffs, the commodity rates have also been lowered.

MARITIME PROVINCE BUSINESS MEN.

I had a talk the other day with W. H. Seyler, who for over five months has been travelling through Quebec, New Brunswick, and Nova Scotia, for The F. F. Dalley Co., of Hamilton.

It was Mr. Seyler's first visit to the Maritime Provinces, and he was naturally busy forming his impressions as well as selling goods, and he appears to have succeeded well in both respects. "It is pleasant," he said, "to do business with the merchants in the Maritime Provinces. They are conservative in their way of doing business, but they are most friendly and sociable, and I received every courtesy. Most of them complain, however, that the balance of trade between the Maritime Provinces and Western Canada is largely in favor of the latter.

"One thing I regretted to learn and that was that there appears to be a house here and there in Ontario that thinks it can use the Maritime Provinces as a dumping ground for cheap and inferior goods. The result has been to bring a discredit upon western goods and to make it extremely difficult to introduce new goods there."

Mr. Seyler said that Sydney was a revelation to him on account of the extent of the steel and iron works and the magnificence of the harbor. "Business," he said, "is rather overdone, too many merchants having opened up there. This, of course, will remedy itself in time.

"Wherever I went I saw 'Hardware and Metal.' This was a source of gratification to me, for it kept me well in touch with trade conditions in the west during my five months' absence."

The business men of the Province of Quebec, Mr. Seyler speaks most highly of, and particularly their quickness in coming to a decision and their general courtesy.

A GOOD MOVEMENT.

In the Maritime Provinces of Nova Scotia and New Brunswick tourists' associations have been working effectively for a number of years. The towns and cities have been beautified, and thousands of tourists have annually come from the New England States, Boston, and New York, and other cities farther south. The residents of these Provinces have reaped a golden harvest, while everybody has been benefited by the increased steamship service, the enlargement of the hotels and other public improvements rendered necessary to accommodate these visitors.

Now, in Victoria, B.C., a number of leading citizens have met together, formed themselves into a tourist association, adopted a constitution and have laid out plans whereby they hope to greatly beautify the town, and by extensive advertising through the newspapers, guide books and circulars, attract from all points tourists during the summer. Comment in many other centres of population and trade has been excited and people are largely watching to see what the results will be.

WHITE LEAD

Let us book you for White Lead. You might as well be booked against any advance in price.

RAMSAYS LEAD:

UNICORN PURE	$5.87½
RUSSIAN PURE	5.87½
DECORATORS PURE	5.87½
EXTERIOR "RAMSAYS"	5.50
THISTLE	5.50
DECORATORS NO. 1	5.50
CRESCENT STAR	5.12½
DECORATORS SPECIAL	5 12½
ALBION	4 75
LONDON	4.37½

We can book you at these prices now, for shipment up to 15th May next. F.O.B. Montreal, Toronto, Ottawa, Hamilton, London, Windsor, Ont., St. John, N.B., and Halifax, or freights equalized on these points. Send your specification and say when it is to be shipped.

If you have **"RAMSAYS EXTERIOR"** you have the leader in the lead market. More economical, better to wear and whiter than pure.

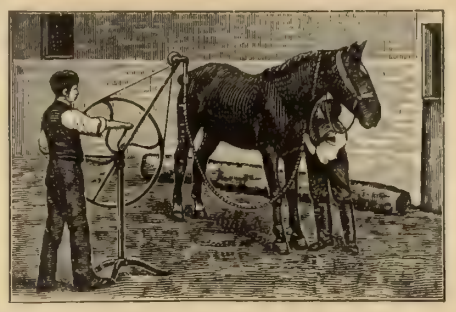
A. RAMSAY & SON

Est'd 1842

PAINT MAKERS **MONTREAL**

BURMAN & SONS' CELEBRATED CLIPPERS

Established 1871. **BIRMINGHAM, ENG.** for Horsemen and Barbers.



NO. 3—POWER CLIPPER, with "Wrist" Joint."

As supplied to { The Czar of Russia, The King of Denmark. Earl Roberts, Etc., Etc.



THE "LEOPOLD" TOILET.

NO. 297.



THE "WARWICK" CLIPPER.

Cuts over three teeth.

As supplied to His Majesty's War Department.

SEND FOR PRICE LIST AND TERMS.

To be obtained from all the principal Jobbers throughout the Dominion.

BUSINESS NEWS

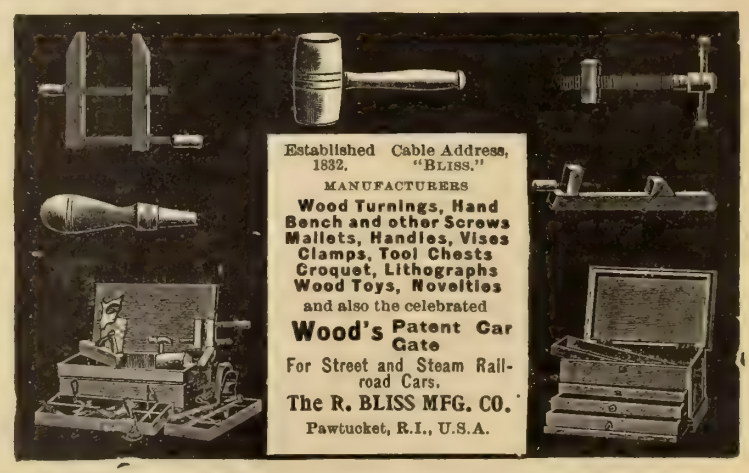
of any kind that is of value to business men supplied by our Bureau. We can give you market quotations from any town in Canada, reports from the city markets, stock quotations, etc. You can get commercial news from any Canadian paper through us.

Write us, giving us particulars of what you want and where you want it from, and we will quote you prices by return.

"Clippings from any Canadian paper on any subject."

CANADIAN PRESS CLIPPING BUREAU,

232 McGill Street, MONTREAL, QUE. Telephone Main 1255.
10 Front St. East, Toronto. Telephone 2701



Canadian Representative: **ALEXANDER GIBB, 13 St. John St., MONTREAL.**

75 YEARS. *ESTABLISHED 1825.* *75 YEARS.*



You may be looking for a Good

Pipe Hanger.

Ask us about

the "Grabler."

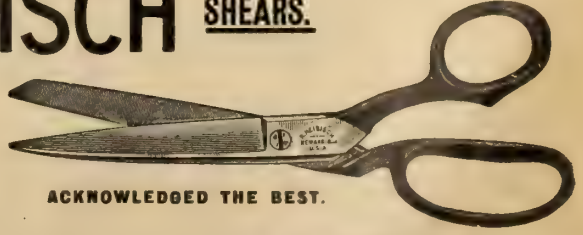
We send you booklet illustrating the different kinds.

The James Morrison Brass Mfg. Co.

TORONTO. Limited.

CELEBRATED **HEINISCH** SHEARS.

Tailors' Shears, Trimmers, Scissors, Tinners' Snips, etc.



ACKNOWLEDGED THE BEST.

R. HEINISCH'S SONS CO.

NEW YORK OFFICE, 90 Chambers St.
NEWARK, N.J., U.S.A.

Not connected with any Shear Combination.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

N. GARANT, general merchant and mill owner, Caplin River, Que., has compromised at 40c. on the dollar.

A. Desmarais, general merchant, Marieville, Que., has compromised.

W. E. Douper, general merchant, Woodham, Ont., is offering to compromise.

M. Ornstein & Co., general merchants, St. Polycarpe, Que., have compromised.

J. L. Aubert, general merchant, St. Eloi, Que., has assigned to V. E. Paradis.

A winding-up order has been applied for re The Brampton Gas Co., Brampton, Ont.

The creditors of Gurney & Co., general merchants, Acton, Ont., held a meeting on January 3.

J. J. Fluetot's interest in mining properties at Kaslo, B.C., has been seized by the sheriff.

Elliot & Borlands, general merchants, Steinbach Station, Man., have assigned to C. H. Newton.

The creditors of G. D. D'Entrement, general merchant, Middle East Pubnico, N.S., held a meeting on January 6.

E. F. Cowan, general merchant, Novar, Ont., has assigned to F. H. Lamb, Hamilton. His creditors met on January 7.

The Gardner, Rice, McLeod Co., of Ontario, Limited, departmental store, Rat Portage, Ont., is asking an extension.

Charles Tremblay, general merchant, St. Boniface de Shawenegan, Que., has assigned, and V. E. Paradis is the proguardian.

PARTNERSHIPS FORMED AND DISSOLVED.

Churchill & McKay, general merchants, Elburne, B.C., have dissolved.

J. H. Morris & Co., general merchants, Edmonton, N.W.T., have dissolved.

J. T. McDonald & Co., general merchants, Calgary, N.W.T., have dissolved.

Asher & Leeson, general jobbers, Toronto, Arnprior, Galt, Napanee, Owen Sound, Picton, and Port Hope, Ont., are about to dissolve. Harry Leeson retiring.

Lessen & Bauer, lumber and agricultural implement merchants, Westaskiwin, N.W.T., have dissolved.

Lamplough & McNaughton, commission hardware merchants, Montreal, have dissolved, and a new partnership has been registered.

SALES MADE AND PENDING.

Chester Thompson, general merchant, Selkirk West, Man., is giving up business there.

The stock of J. P. Ross, general merchant, Exeter, Ont., was sold by auction on January 9.

M. P. Plouffe, general merchant, Ladysmith and Shawville, Que., is selling off his stock at Ladysmith.

The assignee of Alex. Chisholm, general merchant, Nova Scotia, is advertising for tenders for the stock.

G. Guimond & Co., general merchants, Ste. Angele, Rimouski Co., Que., has sold his stock at 66⅔c. on the dollar.

The assets of J. C. Chouinard, general merchant, St. Charles, Bellechasse, Que., were advertised to be sold on January 8.

T. A. Kennedy is advertising his sash and door factory at Owen Sound, Ont., for sale.

The assets of The Diamond Machine and Screw Co., of Toronto, Limited, are to be sold by tender.

The assets of George Daglish, sr., manufacturer of matches, Hull, Que., are to be sold by auction on January 17.

CHANGES.

Joseph Boyd, general merchant, Hornby, Ont., is giving up business.

Arthur Snazel, painter, Stratford, Ont., is removing to Goderich.

The Columbus Building Association, Quebec, has applied for a charter.

The assets of Geo. S. Kimber, painter, Montreal, are to be sold by tender.

Rutter & Fitzpatrick, general merchants, Birtle, Man., are giving up business.

W. J. Wilcox & Co., Limited, Virden, Man., general merchants, are applying for a charter.

The Chicago Copper and Smelting Co., Limited, Greenwood, B.C., has been incorporated.

The Cochshutt Plow Co., Limited, Roland, Man., have sold out to Chaytor & McDonald.

W. S. Rodgers & Son, hardware merchants, Guelph, Ont., have sold out to Wm. J. Seeds.

M. J. McKenzie, general merchant, Dodger's Cove, B.C., is succeeded by Horris Walters.

R. H. Benson & Co., general merchants, Indian Head, N.W.T., have sold out to J. J. Mills.

The assets of Wm. Smith, general merchant, Point Gatineau, Que., have been sold to A. J. Smith.

FIRES.

F. J. Ramsay's general store, at Dunnville, Ont., was damaged by fire.

Mann & Co., general merchants, Petrolea, Ont., suffered loss by fire. Insured.

The general store of T. A. Newman & Bros., Portage la Prairie, Man., has been burned.

The Morden Manufacturing Co., office files, etc., Gananoque, Ont., have been burned out; insured.

Alexander Sauriol, general merchant and cattle buyer, Montebello, Que., has been burned out. The loss is partially covered by insurance.

DEATHS.

J. E. Westcott & Co., hardware and furniture merchants, West Lorne, Ont., have sold out to B. Partridge.

The Ottawa Showcase Co., who have carried on their business on the corner of Florence and Bay streets, Ottawa, have made an assignment to William A. Cole.

For some time a number of Winnipeg and United States capitalists have been taking into their serious consideration the scheme of transmission of electric power to Winnipeg from an outside point. Now, preparations are under way to establish a plant to furnish that city with motive power at half the present cost. This was announced at Winnipeg by F. W. Thompson, at the travellers' banquet.

PAINTERS PERFECT WHITE LEAD

Manufactured by the Latest and most Approved Method, Securing Whiteness, Permanence, and the Greatest Covering Power.

This Lead is a new and scientific combination of materials which are in themselves perfect pigments, ground in pure refined Linseed Oil. It will be found on trial to be the whitest lead ever introduced, besides which it has great covering power, works well under the brush, and shows up tints sharp and clear. In thinning, it takes more Oil than any other Lead, and will, therefore, cover more surface. It will also wear better either on inside or outside work than any paint ever offered before.

THE
CANADA PAINT COMPANY
LIMITED

Sole Manufacturers

MONTREAL.

Special

Order early—
We are already booking a large number of orders for Painters Perfect.

HEAD OFFICE. TORONTO. NEWMARKET. LONDON MONTREAL. WINNIPEG.

UNITED FACTORIES, LIMITED

BRUSHES, BROOMS AND WOODENWARE.

OPERATING
BOECKH'S TORONTO FACTORIES.
BRYAN'S LONDON FACTORIES,
CANE'S NEWMARKET FACTORIES.

Toronto.

DICTATED BY

January 11, 1902.

To the Trade:--

With the object of placing our businesses on a more permanent footing and not subject to the interruptions which are liable to occur in an ordinary partnership or company, we have consolidated into "UNITED FACTORIES, Limited," which will enable us at the same time to greatly extend our manufacturing and marketing facilities.

The policy of the Company will be to supply the trade, and through it the consumers of Canada, with a better article than has been possible in the past, and at no increase in cost, and having ample capital will be in a position to buy its raw materials for cash to the very best possible advantage, and, through carrying large and complete stocks of finished goods, be able to serve you with the greatest promptness.

As the personnel of the management will not be changed in any way, we are not writing as though the pleasant connections, which have existed in the past, were to be severed; in fact, the well-known brands of Boeckh's Standard Brushes and Brooms, Bryan's London Brushes, and Cane's Newmarket Woodenware, will continue to be our leading standard lines, and with the same push and energy that has characterized these businesses in the past we look to an increased and continued connection with your house in the future.

All accounts due to Boeckh Bros. & Company, Toronto; Thos. Bryan, London, and The Wm. Cane & Sons Manfg. Co., Limited, Newmarket, are to be paid direct to them, and they will settle all accounts due by them respectively, as the new Company does not assume any book debts or liabilities.

Our Catalogue for 1902 is now under way and will be distributed at an early date, and our travellers will have the pleasure of calling on you very shortly with complete sets of samples, and as our prices have been very carefully revised and a large number of new lines added, we would ask you to kindly withhold your orders until they have the opportunity of seeing you and quoting prices.

Yours very truly,

Signed,
Boeckh Bros. & Company.
Thos. Bryan.
The Wm. Cane & Sons Manfg. Co., Limited.
UNITED FACTORIES, LIMITED.

THE ADVERTISING ARENA.

Hints and Ideas for Business Men.

Mail Orders.

A GOOD paying mail order business is appreciated most by the fellow who had to work hardest to establish it. You never saw a summer snap that was satisfactory after the thermometer had tumbled 20 degrees.

The mail order man's ad. is his fortune.

Little conscience or no conscience at all has no place in the mail order business.

There are but two kinds of ads. The one takes money out of your till; the other puts money in.

Don't get discouraged in your advertising. Success comes in a way and at a time we little dream of.

Don't write a misleading ad. The fellow who buys a chestnut horse is not going to be satisfied with a horse chestnut.

The good reputation of a mail order man is worth more to him than a degree of Doctor of Divinity from a State university.

The line between failure and success is so closely drawn that mail order men frequently do not know which side they are on.

If you want to succeed in the mail order business, scheme! scheme! all the time. Out-scheme the other fellow is the only safe way.

If some mail order men would spend as much time and exercise, as much care in writing their ads. as they did in writing their first love letter, the failures in the business would be reduced one-half.—Jabs.

The Time to Advertise.

When the grain has all been gathered,
When the harvest is all through,
When the husbandman and family
Have not a thing to do
But sit around the fire
And read and talk about
The many things they have to buy
That can't be done without;
Oh, that's the time of all the year
A man should advertise—
When the frost is on the pumpkin,
And the pumpkin's in the pies.

—Jabs.

The Most Important Advertising.

Somebody has said that trade journal advertising as a class is the most impotent of all advertising.

Somebody struck it pretty nearly right.

This sad state of affairs cannot generally be laid at the door of the trade paper publisher. This scion of the shears and pen is generally anxious for his clients to furnish good copy.

It wasn't a hundred years ago that publishers deprecated generally the frequent changes of ads. They have had their eyes opened for quite a spell now. They realize that an advertisement must be fresh and newsy, like the rest of the journal. They have come to learn that the advertiser who sticks to them is the advertiser whose returns are satisfactory. They have sense enough to delve behind the whys of things and realize that the advertiser who gets returns is the advertiser who advertises.

And the advertiser who advertises well is the advertiser who changes his ads. every issue, unless (and it is a rare instance) he has evolved some peculiarly bright and particularly strong drawing card.

Even then it will lose a good share of its effectiveness after being run twice.

Besides this, its moral effect on the bulk of readers is bad.

For instance: There are large classes of people who take trade journals, and if they take them they look through them. It would be a rarity to find a dealer who looks through the editorial and news columns of his trade journal who does not look through the advertising pages.

He learns that Peter Jones & Co.'s ads. are always attractive and entertaining, and, as he turn over his pages every week or every month, he stops at Peter Jones & Co.'s say-so.

Should he find this week the same story that he read last week and the week before, it is a shock to him and a disappointment, and he is very apt to lose faith in Peter Jones & Co.'s advertisement—or at least lose interest.

Besides, he naturally gets the notion into his head that Peter Jones & Co. are going to tell the same story over and over indefinitely. This is all the more true of the man who has not made a particular note of Peter Jones & Co.'s advertising, but who has read it because it caught his eye and appealed to his reason, but who, as stated before, has never made any particular note of Peter Jones & Co.'s advertising.

One or two experiences like this will keep him away from these ads.

This is not only true of the reading matter, but even more so of the designs used for display.

This part of the work is first seen of all. That is its object.

The reader who notices your advertisement on account of its display design this week is, of course, impressed with it, else he would not have noticed it.

Next week, if he runs up against the same thing, he imagines it is the same all the way through, reading and everything, and he has no particular longing to review it.

There is nothing like keeping advertising green. It can be made just as newsy as the news column. It can be made more newsy for the pure and simple reason that it strikes the dealer right close to his heart—his own business.

It means dollars and cents to him. It means just exactly what he is in business to get.

If you tell a dealer that you can help him and furnish him a better line of goods for less money, or in which there is more profit for him, and if you make him believe it, you will interest him.

He can be made to believe it if he is kept after persistently enough and given good hard nuts of wisdom to ponder on, That can never be done by general statements and outlandish claims and high-sounding words and such doddering rot which the trade papers are about 90 per cent. full of, and which is the fault, first, last and all the time of the advertisers themselves.

A man who has accumulated enough worldly wisdom to accumulate enough coin of the realm to surround himself with a stock of goods is a man generally who likes common sense.

He isn't very sentimental or poetical. He is hard business. There isn't a great deal of difference between a farmer and a country merchant. One is usually the outcome of the other. One is horny-handed and the other is horny-brained. Such a dealer is not affected to any alarming extent by bare, bald statements. What strikes him is a pointed argument—pointed at both ends.

The sooner manufacturers and jobbers and wholesalers realize this and will quit soaring to heaven the minute they get a pencil in their clutches to write out their

WE have the nicest set of Hose samples ever shown to the Canadian trade. Don't fail to see them.

HOSE

GARDEN
STEAM
SUCTION
ETC.

Send for samples and quotations.

WE make Hose of all kinds for all purposes. Our equipment is the most modern and our goods are perfection.

MANUFACTURED BY

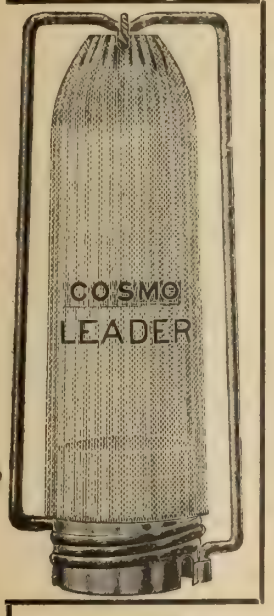
THE DURHAM RUBBER CO., LIMITED

Bowmanville, Ont.

1902

THE LIGHTING BUSINESS OF CANADA

We are after the lighting business of Canada. We have a liberal share of it already, but we are always open for more. We want 1902 to be a record maker. We have the best lights and our terms and prices are right.



OUR LEADERS

The Cosmopolitan Gas Lamps and Mantles — Up-to-Date American lights, brilliant and durable.

We can sell these goods at lowest manufacturers' prices in Chicago, with duty added. This is a remarkably low price.

The Rochester Lamp — A leader always when oil is used. Central draft, 80 to 400 candle power.

FULL STOCK OF THESE GOODS ALWAYS ON HAND.

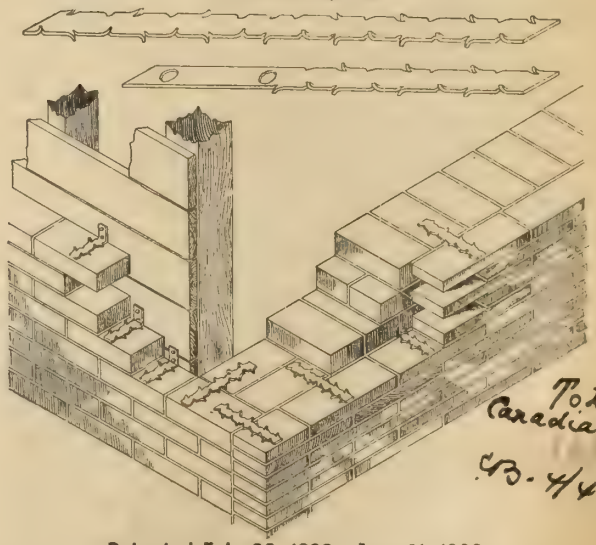
Write us for particulars.

THE ROCHESTER LAMP CO. OF CANADA

24 Front St. West, TORONTO.

Pittsburg Steel Wall Tie.

Manufactured by THE McDOWELL MAN'FG CO., PITTSBURG, PA.



To Editor Canadian Archit

53-4/42

Patented Feb. 28, 1899. Aug. 21, 1900.

For Bonding Face Brick, Terra Cotta, Hollow Walls, Etc.

For Sale By

THE LUXFER PRISM CO., Limited,
98 and 100 King West.

AIKENHEAD HARDWARE CO., Limited,
6 Adelaide East, TORONTO, ONT.

advertisements, the sooner trade paper advertising will increase its effulgence several candle-powers for good.

Which means that it will increase the advertiser's wherewithal several tinkling dollars.

It is almost enough to give one goose pimples to run through the pages of the trade papers and see the good, costly, liberal spaces which are filled with mostly just about nothingness.

Would it not be more to the point and a better investment for the advertiser who has not the time or the inclination to prepare proper copy to put a little money into this part of the work alongside of the money he puts into the space itself?

Good copy and good space are inseparable for good. Divided, the whole thing falls. As a usual thing, good copy costs less than space. Generally it costs very much less.

But where a $100 space is not worth $1 if it lacks good copy, an additional outlay of from $10 to $25 to procure good copy will increase the worth of the space not only to what it actually cost, but more, and make it a gilt-edge paying investment.

Where is the philosophy of doing otherwise, unless the advertiser has a combination of the two—good space and good talk?—Current Advertising.

How to Judiciously Distribute.

An enormous amount of money is annually wasted through the injudicious distribution of advertising matter. This is true in many lines of publicity, from the unpretentious and annoying handbill of the country grocer to the elegantly-printed and expensive booklet or catalogue of the manufacturer and the manufacturer's agent. In many cases this waste is brought about through carelessness—in more cases it is a direct result of ignorance.

To begin at the bottom. The handbill, or "dodger," as it is more familiarly known, is practically a dead loss to the advertiser. From a business point of view there is absolutely nothing to it. People don't have time to read this kind of stuff, and even if they did there is nothing about a black and white piece of common paper to catch the eye, and granting that even if the attention were attracted there is ordinarily nothing in the character of the reading matter calculated to interest the reader. The handbill is a dead failure—that's flat.

Now, to leave the retail man and his ideas.

The expensively-designed and handsomely-executed folder and booklet so much in vogue at present is frequently distributed in a reckless and unprofitable manner. There are firms to-day who put a whole lot of money in this class of work without having any fixed or definite plan as to the distribution of the same. It would appear that, upon the delivery of this booklet or folder in question by the printer, all interest in the placing thereof ceases.

Lists are an unknown quantity to the careless advertiser, or even if such lists are used they are worked over indiscriminately without regard as to whether this person or that person will be in any way interested in the goods exploited. It is too often a case of "get 'em off as quickly as possible and have done with it."

When it comes to a matter of dollars and cents this carelessness or ignorance is bound to cost somebody dear. Just supposing, for instance, that a firm sends out 20,000 booklets costing 5c. each. Of this number, say, 5,000 are wasted by injudicious distribution. It's simply a case of $250 gone to the everlasting bow-wows, not counting postage.

Now, don't think this is painting the matter in colors too strong. Cases such as the above do exist, as the writer will affirm with positive knowledge to back him up.

Books, booklets, folders and other advertising novelties can and will prove an impetus to business if distributed with a proper amount of care and consideration; otherwise, this publicity scheme will be as futile as the endeavors of a man who tries to empty a tub of water through the use of a coarse-mesh coal screen.

There is just as much virtue in an intelligently-made up list as there is in the quality of the advertising matter sent out. An advertisement sent to one promising customer is worth 20 received by the waste-basket, because-not-in-my-line type.—Ad. Sense.

Lacking Nerve.

Many new advertisers are lacking in nerve, says a contemporary: They won't keep at it long enough. (All the better for the bulldog fellow who hangs on.) The public is a big thing. It is hard to stir up. It moves slowly sometimes, wants to get acquainted first. Likes to deal with well-known people. The only way to get acquainted and become well known is to keep on advertising. The first investment may not pay at once, but, like the foundation of a house, it is necessary even if it is underground. When additional storeys appear the house is a landmark, and not until then.—Agricultural Advertising.

The Hard-to-Get Customer.

Some advertisers stop short of the reader who is hard to convince, aiming their ads. and follow-up literature at the susceptible souls who are open to conviction, says Printers' Ink: But the reader who is hardest to transform into a customer is usually best worth going after. Not only will he make the staunchest customer, once he has been brought to book, but he will carry weight with his neighbors. He is almost invariably an arbiter of opinions in his community, and what he thinks or says is of more importance than what is said or thought by the fickle.

How to Do It.

Bright ideas in advertising or in other lines do not come merely as "inspirations," remarks an exchange. They come with hard work more often; with application and continued application. The man who keeps at advertising sends out the best ads. always, not the occasional writer who picks up tablet and pencil, announcing mentally to himself: "Now I'll write a regular stunner."

As you look over the field who are the men distinguished by brilliant advertisements? They are the firms who work at it daily—whose names and goods hold the public eye every hour of the day. You can name them at once.

Keep at it. That's the motto for steady as well as brilliant work.

Signs and Sayings for Advertisers.

A much-talked-of store.
Our patrons wear smiles.
Values that are revelations.
Our goods are this year's vintage.
Nothing worth having is not here.
Each day here is "bargain day."
Our low prices bring you back.
Every shelf teems with bargains.
Perfect service promptly rendered.
We expand values and condense prices.
Telephone us for what you forget.
We don't promise the earth for a nickel.
Our method of selling invites you back.
We are here to think of your interests.
Your coming merely to look pleases us.
Cross the street first; then come here.
Our clerks are here to assist, not to insist.
You don't wait here—you're waited upon.
What you buy thoughtfully we buy back.
The goodness of our goods goes without saying.
Incomparable values at unmatchable figures.
"Spoils from every clime" are congregated here.
Our clerks serve us well by serving you well.
It pleases us to say that we are here to please.
We couldn't afford to give you a bad bargain.
To see our goods is a "liberal education" in trade.

"MIDLAND"

BRAND

Foundry Pig Iron.

Made from carefully selected Lake Superior Ores, with Connellsville Coke as fuel, "Midland" will rival in quality and grading the very best of the imported brands.

Write for Prices to Sales Agents

Drummond, McCall & Co.
or to MONTREAL, QUE.

Canada Iron Furnace Co.
MIDLAND, ONT. Limited

"The Peerless"

is the best Bolster Spring ever produced. A fine line for the hardware trade. Write Us For Prices.



James Warnock & Co. = Galt, Ont.

CURRENT MARKET QUOTATIONS.

January 10, 1902.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desir is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag and Straits—		
56 and 28 lb. ingots, 100 lb.	29 00	30 00

Tinplates.

Charcoal Plates—Bright	
M.L.S., equal to Bradley.	Per box
I.C., usual sizes	$6 75
I.X., "	8 25
I.X.X., "	9 75
Famous—	
I.C.	6 75
I.X	8 25
I.X.X	9 75
Raven & Vulture Grades—	
I.C., usual sizes	5 00
I.X., "	6 00
I.X.X "	7 00
I.XXX., "	8 00
D.C., 12½x17	4 50
D.X	5 25
D.X.X	6 00
Coke Plates—Bright	
Bessemer Steel—	
I.C., usual sizes	4 25
I.C., special sizes, base	4 60
20 x 28	9 00
Charcoal Plates—Terne	
Dean or J. G. Grade—	
I.C., 20x28, 112 sheets	8 50
I.X., Terne Tin	10 50
Charcoal Tin Boiler Pla	
Cookley Grade—	Per lb.
X X., 14x56, 50 sheet bxs	0 06½
" 14x60, "	
" 14x65, "	
Tinned Sheets	
7 x30 up to 24 gauge	0 07½
" 26 "	0 08

Iron and Steel.

Common Bar, per 100 lbs	1 95	2 05
Refined " "		2 45
Horse Shoe Iron "		2 40
Hoop steel, 1½ to 3 in. base,		3 10
Sleigh Shoe Steel " base		2 10
Tire Steel	2 30	2 50
Reeled Machinery		3 00
Toe Calk Steel	2 85	3 00
T. Firth & Co's tool steel, per lb	0 12½	0 13
Jessop's tool Steel		0 14
Morton's tool steel	C 12½	0 13
Black Diamond and "B C," tool steel	0 10	0 11
Chas. Leonard's tool steel	0 08	0 09
Drill Steel, per lb	0 08	0 10

Boiler Tubes.

1½-inch	0 12½
2 "	0 13
2½ "	0 15
3 "	0 16
3½ "	0 20
4 "	0 25

Steel Boiler Plate.

¼ inch	2 50	2 60
3-16 inch	2 60	2 70
⅜ inch and thicker	2 50	2 60

Black Sheets.

	Com.	D.Fl.
18 gauge	2 85	3 00
02 gauge	2 85	3 00
22 to 24 "	2 95	3 25
26 "	3 05	3 50
28 "	3 15	

Canada Plates.

All dull, 52 sheets		3 05
Half polished		3 15
All bright		3 75

Per 100 Feet.

Iron Pipe.

Black pipe—	
⅛ "	4 65
¼ inch	3 40
⅜ "	3 45
½ "	3 70
¾ "	3 85
1 "	5 40
1¼ "	7 70
1½ "	9 20
2 "	12 50
2½ "	24 00
3 "	28 00
3½ "	36 00
4 "	43 00
4½ "	50 00
5 "	57 00
6 "	73 00
alvanized pipe—	
⅛ inch	5 15
¾ "	5 50
1 "	7 95
1¼ "	10 80
1½ "	12 95
2 "	17 35

5 p. c. off to preferred buyers.

Galvanized Sheets.

	G C. Comet.	Amer.	Queen's Head.
16 gauge			
18 to 24 gauge	4 05	3 75	4 05
26 "	4 25	4 00	4 25
28 "	4 50	4 25	4 50

Less than case lots 10 to 15c. extra.
28 gauge American equals 26 gauge English.

Chain.

Proof Coil, 3-16 in., per 100 lb		
" ¼ " "	7 85	8 10
" 5-16 " "	4 95	5 25
" ⅜ " "	4 25	4 60
" 7-16 " "	4 15	4 40
" ½ " "	4 00	4 25
" 9-16 " "	3 90	4 15
" ⅝ " "	3 80	4 05
" ¾ " "	3 85	4 10

Halter, kennel and post chains, 40 to 40 and 5 p.c.
Cow ties ..... 40 p.c.
Tie-out chains ..... 65 p.c.
Stall fixtures ..... 35 p.c.
Trace chain ..... 45 p.c.
Jack chain, iron, single and double, discount 35 p c.
Jack chain, brass, single and double, discount 40 p.c.

Copper.

	Ingot	Per 100 lb.
English B. S., ton lots		16 00
Lake Superior		
Bars.		
Cut lengths round, ½ to ⅞ in.	23 00	25 00
" round and square 1 to 2 inches	23 00	25 00
Sheet.		
Plain, 14 oz., and light, 16 oz., 14x48 and 14x60	24 00	24 50
Plain, 14 oz., and light, 16 oz., irregular sizes	24 50	25 00
Tinned copper sheets		26 00
Planished		32 00
Braziers (In sheets.)		
4x6ft. 25 to 30 lbs. ea., per lb.		0 25
" 35 to 45 " "		0 24
" 50-lb. and above, "		0 23
Boiler and T. K. Pitts		
Plain Tinned, per lb		0 28
Spun, per lb		0 32

Copper Ware.

Discount, 50 per cent.

Brass.

Rod and Sheet, 14 to 30 gauge 10 per cent.	
Sheets, hard-rolled, 2x4	0 23
Tubing, base, per lb	0 23½

Zinc Spelter

Foreign, per lb	0 05½	0 06
Domestic "		

Zinc Sheet.

5-cwt casks	6 00	6 25
Part casks	0 06	0 06½

Lead.

Imported Pig, per 100 lb	3 50	3 75
Bar, 1 lb		0 05
Sheets, 2½ lbs. sq. ft., by		0 06¼
Sheets, 3 to 6 lbs., "		0 06

NOTE.—Cut sheets ½ cent per lb. extra.
Pipe, by the roll, usual weights per yard, lists at 7c. per lb. and 30 p.c. dis. f.o.b. Toronto.
NOTE.—Cut lengths, net price, waste pipe 3-ft. lengths lists at 7½ cents.

Shot.

Common, $6.50 per 100 lb.; chilled, $7.00 per 100 lb.; buck, seal and ball, $7.50. Discount, 17½ p.c. Prices are f.o.b. Toronto, Hamilton, Montreal, St. John and Halifax. Terms 3 per cent. cash, freights equalized.

Soil Pipe and Fittings.

Discount, 60 and 10 per cent. on medium and extra heavy, and 60 per cent. on light.

Solder.

	Per lb.	Per lb.
Bar half-and-half, guarant'd		0 19½
Bar half-and-half, commer'l		0 19
Refined		0 18½
Wiping		0 18

Antimony.

Cookson's, per lb	0 10½	0 11

White Lead.

	Per 100 lb.
Pure	5 87½
No. 1	5 50
No. 2	5 12½
No. 3	4 75
No. 4	4 37½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B B. Genuine	8 25
" " No. 1	7 50

Above prices are for 25 lb. and upwards.

Red Lead.

Genuine, 560 lb. casks, per cwt.	$4 75
Genuine, 100 lb. kegs, per cwt.	5 00
No. 1, 560 lb. casks, per cwt.	4 25
No. 1, 100 lb. kegs, per cwt	4 50

White Zinc.

Extra Red Seal	0 06	0 08
No. 1	0 05½	0 07
No. 2	0 05	0 06

Dry White Lead.

Pure, casks	5 25
Pure, kegs	5 50
No. 1, casks	5 00
No. 1, kegs	5 25

Prepared Paints.

In ¼, ½ and 1 gallon tins.

Pure, per gallon		1 25
Second qualities, per gallon		1 10
Barn (in bbls.)	0 60	0 90
The Sherwin-Williams Paints		1 40
Canada Paint Co's Pure		1 25
Toronto Lead & Color Co's Pure		1 25
Sanderson Pearcy's Pure		1 20
Stewart & Wood's Champion Pure		1 20

Colors in Oil.

25 lb. tins, Standard Quality.

Venetian Red, per lb	0 04½	0 06
Chrome Yellow	0 12	0 14
Golden Ochre	0 08	0 10
French "		0 06
Marine Black		0 09
Chrome Green		0 10
French Imperial Green		0 12
Sign Writers' Black		0 16
Burnt Umber		0 11
" Sienna		0 11
Raw Umber		0 11
" Sienna		0 11

Colors, Dry.

Common Ochre bbls	1 20	1 30
Yellow Ochre J.F.L.S., bbls		2 00
Yellow Ochre (La Belle)	1 15	1 25
Brussels Ochre		2 00
Venetian Red (best), bbl	1 75	2 00
English Oxides, per cwt	3 00	3 25
American Oxides, bbls	1 25	2 00
Canadian Oxides, bbls	1 25	1 75
Super Magnetic Oxides, 93p.c.	2 00	2 25
Burnt Sienna, pure, per lb		0 10
" Umber, " "		0 10
do Raw		0 09
Drop Black, pure		0 09
Chrome Yellows, pure		0 18
Chrome Greens, pure, per lb.	0 09	0 10
Golden Ochre	0 04	0 05
Ultramarine Blue in 28-lb. boxes, per lb	0 06	0 18
Fire Proof Mineral, per 100 lb		1 00
Genuine Eng. Litharge, per lb		0 07
Mortar Color, per 100 lb	1 25	1 50
Pure Indian Red, No. 45 lb.	0 08	0 10
Whiting, bbl	0 55	0 60
English Vermillion in 30-lb. bags		0 95

Paris Green.

	per lb.
Petroleum Casks	16¾
Arsenic Kegs	17
50-lb. and 100-lb. drums	17½
25-lb. drums	18
1-lb packages	18½
½-lb. do	20
1-lb. tins	19½
½-lb do	21½

F O B. Montreal. Terms—3 p. c. off 30 days, or 4 mos. from date of delivery.

Blue Stone.

Casks, for spraying, per lb	0 07
100-lb. lots, do. per lb	0 08

Putty.

Bulk in bbls.,	1 90
Bulk in less quantity	2 05
Bladders in bbls	2 25
Bladders in kegs, boxes or loose	2 40
Bladders in 25-lb. tins	2 35
Bladders in 12½-lb. tins	2 65
Bladders in bulk or tins less than 100 lb	2 90

Varnishes.

In 5-gal. lots.	Per gal.	net.
Carriage, No. 1	1 50	1 60
Pale Durable body	4 10	4 25
" rubbing	2 85	3 00
Gold Size, Japan	2 85	3 00
No. 1 Brown Japan		0 85
Elastic Oak		1 50
Furniture, extra		1 25
" No. 1		0 85
Hard Oil Finish	1 65	1 75
Light Oil Finish	1 40	1 60
Demar	1 76	1 80
Shellac, white	2 30	2 45
" orange	2 25	2 35
Turpentine Brown Japan		1 25
" Black Japan	0 85	0 90
" No. 1	0 70	0 75

Elastilite Varnish 1 gal. can, each, $3.00.
Granatine Floor Finish per gal., $2.75.
Maple Leaf Coach Enamels; Size 1, $1 20 Size 2, 70c.; Size 3, 40c. each.

Castor Oil.

East India, in cases, per lb	0 09½	0 10
" " small lots	0 10	0 10½

Cod Oil, Etc.

Cod Oil per gal	0 50	0 55
Pure Olive		1 20
" Neatsfoot		90

Glue.

Common	0 08½	0 09
French Medal	0 14	0 14½
Cabinet sheet	0 12	
White, extra	0 18	
Gelatine	0 22	0 30
Strip	0 18	
Coopers	0 19	
Huttner		

STEEL, PEECH & TOZER, Limited

Phœnix Special Steel Works. The Ickles, near Sheffield, England.

Manufacturers of

Axles and Forgings of all descriptions, Billets and Spring Steel, Tyre, Sleigh Shoe and Machinery Steel.

Sole Agents for Canada.

JAMES HUTTON & CO., - MONTREAL

HARDWARE.

Ammunition.

Cartridges.

B. B Caps Dom. 50 and 5 per cent
Rim Fire Pistol, dis. 40 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Central Fire Pistol and Rifle, 10 p.c. Amer.
Central Fire Cartridges, pistol sizes Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 per cent.
Central Fire, Military and Sporting, Amer. add 5 p.c. to list. B.B. Caps, discount 40 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 10 p.c. advance on list.
Brass Shot Shells, 55 per cent.
Primers, Dom., 30 per cent.; American, $1.60.

Wads	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb. bags	70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	

Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 20 per cent.

Anvils.

Wright's, 80-lb. and over	....	0 10¾
Hay Budden, 80-lb. and over	....	0 09¼
Brook's, " " "	....	0 11¼

Augers.

Gilmour's, discount 65 and 5 p.c. off list.

Axes.

Chopping Axes		
Single bit, per doz	5 50	10 00
Double bit, "	11 00	18 00
Bench Axes, 40 p.c.		
Broad Axes, 25 per cent.		
Hunters' Axes	5 50	6 00
Boy's Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Axle Grease.

Ordinary, per gross	5 75	6 00
Best quality	13 00	15 00

Bath Tubs.

Zinc	....	6 00

Copper, discount 15 p.c. off revised list

Baths.

Standard Enameled.

5½-inch rolled rim, 1st quality	25 00
" " " 2nd "	21 00

Anti-Friction Metal.

"Tandem" A	per lb.	0 27
" B	"	0 21
" C	"	0 11½
Magnolia Anti-Friction Metal, per lb.		0 25
Frictionless metal, per lb		0 23

SYRACUSE SMELTING WORKS.

Aluminum, genuine	0 41
Dynamo	0 27
Special	0 22
Aluminum, 99 p.c. pure "Syracuse"	0 45
Phosphorine anti-friction metal	0 25

Bells.

Hand.

Brass, 60 per cent.
Nickel, 55 per cent.

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Door.

Gongs, Sargant's	5 50	8 00

" Peterboro', discount 45 per cent.

Farm.

American, each	1 25	3 00

House.

American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00

Blacksmiths', discount 40 per cent.

Belting.

Extra, 60 per cent.
Standard, 60 and 10 per cent.
No. 1, not wider than 6 in., 60 10 and 10 p.c.
Agricultural, not wider than 4 in., 75 p.c.

Bits.

Auger.

Gilmour's, discount 60 and 5 per cent.
Rockford, 50 and 10 per cent.
Jennings' Gen., net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind and Bed Staples.

All sizes, per lb	0 07¾	0 12

Bolts and Nuts.

	Per cent.
Carriage Bolts, common ($1 list)	55 and 5
" " full square ($2.40 list)	60 and 5
" " Norway iron ($3 list)	60 and 5
Machine Bolts, all sizes	55 and 5
Plough Bolts	55 and 5
Blank Bolts	60
Bolt Ends	60
Sleigh Shoe Bolts	70
Coach Screws, cone point	70

Nuts, square, all sizes, 3¾c per lb. off.
Nuts, hexagon, all sizes 4c. per lb. off.
Stove rods, per lb. 5½ to 6c.
Nuts, in 50 lb. lots ¼c. per lb extra in less than 50 lb lots, ½c. extra.

Boot Calks.

Small and medium, ball, per M	4 25
Small heel, per M	4 50

Bright Wire Goods.

Discount ..... 6½ per cent.

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent.

Henis, No. 8		6 00
Henis, No. 9,		7 00
Queen City	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Building Paper, Etc.

Tarred felt, per 100 lb	1 70
Ready roofing, 2-ply, not under 45 lb. per roll	85
Ready roofing, 3-ply, not under 65 lb. per roll	1 10
Carpet felt, per ton	45 00
Dry sheathing, per roll, 400 sq. ft.	35
Tar sheathing, " " "	45
Dry fibre " " "	55
Tarred fibre, " " "	65
O.K. & I.X.L., " " "	70
Resin-sized, " " "	40
Oiled sheathing, " 600 "	1 10
" " " 400 "	70
Roof coating, in barrels, per gal.	17
" " small packages	25
Refined tar, per barrel	4 50
Coal tar, "	4 00
Coal tar, less than barrels, per gal.	15
Roofing pitch, per 100 lb	85

Bull Rings.

Copper, $2.00 for 2½ in. and $1.90 for 2 in.

Butts.

Wrought Brass net revised ist

Cast Iron.

Loose Pin, dis., 60 per cent.

Wrought Steel.

Fast Joint, dis. 65, 10 and 2½ per cent.
Loose Pin, dis. 65, 10 and 2½ per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.
Gen. Bronzed, per pair 0 40 0 65

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	....

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	8 50	9 50

Cement.

Canadian Portland	2 25	2 75
English "	3 00	3 15
Belgian "	2 50	2 75
Canadian hydraulic	1 25	1 50

Chalk.

Carpenters Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 70 per cent.
Warnock's, dis. 70 per cent.
P. S. & W. Extra 60, 10 and 5 p.c.

Churns.

Revolving Churns, metal frames—No. 0, $8—No. 1, $8.50—No. 2, $9.00—No. 3, $10.00—No. 4, $12.00—No. 5, $16.00 each. Ditto, wood frames—20c. each less than above. Discounts: Delivered from factories, 56 p.c.; from stock in Montreal, 54 p.c. Terms, 4 months or 3 p.c. cash in 30 days.

Clips.

Axle dis. 65 per cent.

Closets

	Net.
Plain York or Ontario Syphon Jet.	$9 60
Emb. York or Ontario Syphon Jet.	10 20
Fittings	1 00
Plain Elgin or Teu. Syphon Washout	6 00
Emb. Elgin or Teu. Syphon Washout	6 60
Fittings	1 25
Low Down Elgin or Teutonic, plain	9 60
" " " emb.	10 20
Plain Richelieu	4 00
Emb. Richelieu	4 25
Connections	1 25
Low Down Out. Sy. Jet, plain	11 70
" " " " " emb'd.	12 30
Closet connection	1 25
Basins P.O., 14 in.	0 70
" oval, 17 x 14 in.	1 50
" " 19 x 15 in.	2 25

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Cradles, Grain.

Canadian, dis. 25 to 33⅓ per cent.

Crosscut Saw Handles.

S. & D., No. 3, per pair	17½
" " 5, "	22½
" " 6, "	15
Boynton pattern "	20

Door Springs.

Torrey's Rod, per doz	(15 p.c.)	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Coach and Wagon, dis. 50 and 10 per cent
Carpenters, dis. 70 per cent.

Drills.

Hand and Breast.

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis., 37½ to 40 per cent.
Standard dis. 50 and 5 to 55 per cent.

Faucets.

Common, cork-lined, dis. 35 per cent.

ELBOWS. (Stovepipe.)

	per doz.
5 and 6-inch, common	1 20
7-inch	1 35

Polished, 15c. per doz. extra.

ESCUTCHEONS.

Discount, 45 per cent.

ESCUTCHEON PINS.

Iron, discount 40 per cent.

FACTORY MILK CANS.

Discount off revised list, 40 per cent.

FILES AND RASPS.

Great Western	70 and 10 per cent.
Arcade	70 " 10 "
Kearney & Foot	70 " 10 "
Disston's	70 " 10 "
American	70 " 10 "
J. Barton Smith	70 " 10 "
McClellan	70 " 10 "
Eagle	70 " 10 "
Nicholson, 60 and 10 to 65, 10 and 5	"
Royal	80 "
Globe	70 to 75 "

Black Diamond, 60 and 10 to 60, 10 and 5 p.c.
Jowitt's, English list, 25 to 27½ per cent.
Nicholson File Co 's "Simplicity" file handle, per gross, 85c. to $1.50.

GLASS—Window—Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	D. Diamond Per 50 ft.	D. Diamond Per 100 ft.
Under 26	2 20	4 25	....	6 25
26 to 40	2 40	4 65	....	6 75
41 to 50	....	5 10	....	7 50
51 to 60	....	5 35	....	8 50
61 to 70	....	5 75	....	9 70
71 to 80	....	6 25	....	11 00
81 to 85	....	7 00	....	12 55
86 to 90	....	7 75	..	15 00
91 to 95	..	....	...	17 50
96 to 100	.. ..	....	..	20 50
101 to 105	....	....	....	24 00
106 to 110	....	....	....	27 50

GAUGES

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's, Nos. 26 to 33, each	1 65	2 40

HALTERS.

Rope, ⅜ per gross	....	....
" ½ "	....	9 00
" ⅝ to ¾ "	....	14 00
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, —per doz	1 87	2 45

HAMMERS.

Nail

	Can.	dis.
Maydole's, dis. 5 to 10 per cent. 25 to 27½ per cent.		

Tack.

Magnetic, per doz	1 10	1 20

Sledge.

Canadian, per lb	0 07½	0 08½

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz. net	1 50	2 00
Store door, per doz	1 00	1 50

Fork.

C. & B., dis. 40 per cent. rev. list.

Hoe.

C. & B., dis. 40 per cent. rev. ist.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 75

Hammer and Hatchet.

Canadian, 40 per cent.

Cross-Cut Saws.

Canadian, per pair	0 13¾

HANGERS.

	doz. pairs.	
Steel barn door	5 85	6 00
Stearns, 4 inch	....	5 00
" 5 inch	....	6 50
Lane's covered—		
No. 11, 5-ft. run	....	8 40
No. 11½, 10-ft. run	....	10 80
No. 12, 10-ft. run	....	12 60
No. 14, 15-ft. run	....	21 00
Lane's O.N.T. track, per foot	....	4½

HARVEST TOOLS.

Discount, 70 per cent.

HATCHETS.

Canadian, dis. 40 to 42½ per cent.

USE PHOSPHORINE ANTI-FRICTION METAL

It is the new discovery. Ask for particulars.

It is the only Anti-Friction Metal known to be chemically pure.



For Paper and Pulp Mills, Saw and Wood Working Machinery, Cotton and Silk Mills, Dynamos, Marine Engines, and all kinds of Machinery Bearings.

Wire, Triangular and Bar Solder, Pig Tin, Lead, Ingot Copper, Ingot Brass, Antimony, Aluminum, Bismuth, Zinc Spelter, Phosphor Tin, Phosphor Bronze, Nickle, etc., always in stock.

CANADIAN WORKS, MONTREAL, P.Q.
AMERICAN " SYRACUSE, N.Y.

Syracuse Smelting Works

HINGES.

Blind, Parker's, dis. 50 and 10 to 60	per cent
Heavy T and strap, 4-in., per lb	0 06½
" " 5-in., "	0 06¼
" " 6-in., "	0 06
" " 8-in., "	0 05¾
" " 10-in., "	0 05½
Light T and strap, dis. 65 and 5	per cent.
Screw hook and hinge—	
6 to 10 in., per 100 lbs	4 25
12 in. up, per 100 lbs	3 25
	Per gro. pairs.
Spring	12 00

HOES.

Garden, Mortar, etc., dis. 50 and 10	p.c.
Planter, per doz	4 00 4 50

HOLLOW WARE

Discount, 45 and 5 per cent.

HOOKS.

Cast Iron.

Bird Cage, per doz	0 50	1 10
Clothes Line, per doz	0 27	0 63
Harness, per doz	0 72	0 88
Hat and Coat, per gross	1 00	3 00
Chandelier, per doz	0 50	1 00

Wrought Iron.

Wrought Hooks and Staples, Can dis 47½ per cent.

Wire.

Hat and Coat, discount 45 per cent.
Belt, per 1,000 0 60
Screw, bright, dis. 55 per cent.

HORSE NAILS.

"C" brand 50 and 7½p.c.off new list } Oval-
"M" brand 50, 10 and 5 per cent. } head
Countersunk. 60 per cent.

HORSESHOES

F.O.B. Montreal.

Iron Shoes.	No. 2 and larger.	No. 1. and smaller.
Light, medium, and heavy	3 50	3 75
Snow shoes	3 75	4 00
Steel Shoes.		
Light	3 60	3 85
Featherweight (all sizes)	4 85	4 85

F.O.B. Toronto, Hamilton, London and Guelph, 10c. per keg additional.

Toe weight steel shoes 6 70

JAPANNED WARE.

Discount, 45 and 5 p.c. off list, June 1899

ICE PICKS.

Star per doz 3 00 3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.

Copper, per lb	0 30 0 50
American, 60 and 10 to 65 and 5	p.c.

KEYS.

Lock, Can., dis., 45 p.c.
Cabinet, trunk, and padlock, Am. per gross 60

KNOBS.

Door, japanned and N.P., per doz	1 50 2 50
Bronze, Berlin, per doz	2 75 3 25
Bronze Genuine, per doz	6 00 9 00
Shutter, porcelain, F. & L. screw, per gross	1 30 4 00
White door knobs—per doz.	1 25

HAY KNIVES.

Discount, 50 and 10 per cent.

LAMP WICKS.

Discount, 60 per cent.

LANTERNS.

Cold Blast, per doz	7 00
No. 3 "Wright's"	8 50
Ordinary, with O burner	4 00
Dashboard, cold blast	9 00
No. 0	5 75
Japanning, 50c. per doz. extra.	

LEMON SQUEEZERS.

Porcelain lined, per doz.	2 20 5 60
Galvanized	1 87 3 85
King, wood	2 75 2 90
King, glass	4 00 4 50
All glass	1 20 1 30

LINES.

Fish, per gross	1 05 2 50
Chalk "	1 90 7 40

LOCKS.

Canadian, dis. 45 p.c.
Russel & Erwin, per doz. Cabinet. 3 00 3 25
Eagle, dis. 30 p.c.

Padlock

English and Am. per doz	50 6 00
Scandinavian, "	1 00 2 40
Eagle, dis. 20 to 25 p.c	

MACHINE SCREWS. Iron and Brass.

Flat head discount 25 p.c
Round Head discount 20 p.c.

MALLETS.

Tinsmiths' per doz	1 25	1 50
Carpenters', hickory, per doz	1 25	3 75
Lignum Vitae, per doz	3 85	5 00
Caulking each	60	2 00

MATTOCKS.

Canadian, per doz 5 50 6 50

MEAT CUTTERS.

American, dis. 25 to 30 p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are :	Cut.	Wire.
2 d and 3d	$3 55	$3 85
3 d	3 20	3 52
4 and 5d	2 95	3 35
6 and 7d	2 85	3 20
8 and 9d	2 70	3 00
10 and 12d	2 65	2 95
16 and 20d	2 60	2 90
30, 40, 50 and 60d. (base)	2 55	2 85

Wire nails in carlots are $2.77½
Galvanizing 2c. per lb. net extra.
Steel Cut Nails 10c. extra.
Miscellaneous wire nails, dis. 70 and 10 p.c.
Coopers' nails, dis. 30 per cent.
Flour barrel nails, dis. 25 per cent.

NAIL PULLERS.

German and American 1 85 3 50

NAIL SETS

Square, round, and octagon per gross	3 38 4 00
Diamond	12 00 15 00

POULTRY NETTING.

2-in. Mesh, 19 w.g., dis. 60 p.c.
2-in. Mesh, 18 w.g. and heavier, 50 and 10 p.c.

OAKUM. Per 100 lb.

Navy	6 00
U. S. Navy	7 25

OIL.

Water White (U.S.)	0 16½
Prime White (U.S.)	0 15½
Water White (Can.)	0 15
Prime White (Can.)	0 14

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal., per doz 10 00
Zinc and tin, dis. 50, 50 and 10.

Copper, per doz	1 25 3 50
Brass, "	1 50 3 50

Malleable, dis. 25 per cent.

GALVANIZED PAILS.

Dufferin pattern pails, dis. 45 p.c.
Flaring pattern, discount 45 per cent.
Galvanized washtubs discount 45 per cent.

PIECED WARE.

Discount 40 per cent. off list, June, 1899.
10-qt. flaring sap buckets, dis. 40 p.c.
8, 10 and 14-qt. flaring pails, dis. 40 p.c.
Creamer cans, dis. 40 p.c.

PICKS.

Per doz 6 00 9 00

PICTURE NAILS.

Porcelain head, per gross	1 75 3 00
Brass head "	0 40 1 00

PICTURE WIRE.

Tin and gilt, discount 75 p.c.

PLANES.

Wood, bench, Canadian dis. 40 per cent.
American dis. 50.
Wood, fancy Canadian or American 7½ to 40 per cent.

PLANE IRONS.

English, per doz 2 00 5 00

PLIERS AND NIPPERS.

Button's Genuine per doz pairs, dis. 37½ 40 p.c.

Button's Imitation, per doz	5 00 9 00
German, per doz	0 60 2 60

PLUMBERS' BRASS GOODS.

Standard Compression work, dis. 60 p.c.
"J.M.T." Cushion work, dis. 50 p.c.
Fuller work, dis. 65 p.c.
6 doz. lots and over of the above, extra dis. 10 p.c.
Rough Stops and Stops and Waisters, dis. 50 p.c. With, in lots of 2 doz. and over, an extra dis. of 10 p.c.
"J.M.T." Globe, Angle and Check Valves, dis 55 p.c.
Standard Globe, Angle and Check Valves, dis. 60 p.c.
"J.M.T." Radiator Valves, dis. 55 p.c.
Standard " " dis., 60 p.c.
Patent Quick Opening Valves, dis. 65 p.c. and 10 p.c

No. 1 compression bath cock, net	2 00
No. 4 " " "	2 00
No. 7, Fuller's	2 20
No 4½, "	2 35
Patent Compression Cushion, basin cock, hot and cold. per doz	15 00
Patent Compression Cushion, bath cock, No. 2208	2 25

POWDER.

Ve'ox Smokeless Shotgun Powder.

100 lb. or less	0 85
1,000 lb. or more	0 80

Net 30 days.

PRESSED SPIKES.

Discount 22½ per cent.

PULLEYS.

Hothouse, per doz	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning	0 35	2 50

PUMPS.

Canadian cistern	1 80 3 60
Canadian pitcher spout	1 40 2 10

PUNCHES.

Saddlers', per doz	1 00	1 85
Conductors's "	9 00	15 00
Tinners', solid, per set	0 00	0 72
" hollow per inch	0 00	1 00

RANGE BOILERS. Net.

Galvanized, 30 gallons	$ 5 75
Dominion, 35 "	6 75
" 40 "	7 75
Ronald's Galvanized 30 gallons	6 50
" " 35 "	7 50
" " 40 "	8 50
Copper, 30 gallons	25 00
" 35 "	29 00
" 40 "	33 00

RAKES.

Wood, 10 per cent.

RAZORS.

	per doz.	
Elliot's	4 00	18 00
Geo. Butler & Co.'s	4 00	18 00
Boker's	7 50	11 00
" King Cutter	12 50	50 00
Wade & Butcher's	3 60	10 00
Theile & Quack's	7 00	12 00

REGISTERS.

Discount 40 per cent

RIVETS AND BURRS.

Iron Rivets, black and tinned, discount 60 and 10 per cent.
Iron Burrs, 1 discount 55 per cent.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets & Burrs, 35 and 5 p.c. dis. and cartons, 1c. per lb. extra, net
Extras on Tinned or Coppered Rivets ½-lb. cartons, 1c. per lb.

RIVET SETS

Canadian dis. 35 to 37½ per cent.

ROPE ETC.

Sisal	12
Pure Manilla	16
"British" Manilla	13½
Cotton, 3-16 inch and larger	16
" 5-32 inch	21
" ⅛ inch	22½
Russia Deep Sea	15½
Jute	5
Lath Yarn	10¼

RULES.

Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS. per set.

Mrs. Potts, No. 55, polished	65
" No. 50, nickle-plated	75

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 5 per cent.
Emery, 40 per cent.
Garnet (Rurton's), 5 to 10 p.c. advance on list.

SAP SPOUTS.

Bronzed iron with hooks, per doz 9 50

SAWS.

Hand Disston's, dis. 12½ p.c.
S. & D., 40 per cent.

Crosscut, Disston's, per ft	35	0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.		
Hack, complete, each	0 75	2 75
" rame only		0 75

SASH WEIGHTS.

Sectional, per 100 lbs	2 25	2 50
Solid, "	1 75	2 00

SASH CORD.

Per lb 0 23 0 30

SAW SETS.

"Lincoln" and Whiting, per doz	4 75
Hand Sets, No. 1 Woodyatt (Morrill)	4 25
X-cut sets, No. 3 Woodyatt (Morrill	9 50

SCALES.

Standard, 45 p.c.
Champion, 55 p.c.
Spring Balances, 10 p.c.
Fairbanks Standard, 35 p.c.
" Dominion, 55 p.c.
" Richelieu, 55 p.c.
Warren's new Standard, 45 p.c.
" " Champion 65 p.c.

SCREW DRIVERS.

Sargent's per doz 0 65 1 00

SCREWS

Wood, F. H., bright and steel, 87½ and 10	p.c
Wood R. H., " dis. 82½ and 10	p.c.
" F. H., brass dis. 80 and 10	p.c.
Wood, R. H., " dis. 75 and 10	p.c.
" F.H., bronze, dis. 75	p.c.
" R.H. " 70	p.c.
Drive Screws, 87½ and 10	per cent.
Bench, wood, per doz	3 25 4 00
" iron, "	4 25 5 75

Set, Case hardened, 60 per cent.
Square Cap, 50 and 5 per cent.
Hexagon Cap, 45 per cent.

SCYTHES.

Per doz, net 9 00

SCYTHE SNATHS.

Canadian, dis. 45 p.c.

SHEARS.

Bailey Cutlery Co., full nickeled, dis. 60 p.c
Seymour's, dis. 50 and 10 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SINKS.

Steel and galvanized, discount 45 per cent.

SNAPS.

Harness, German, dis. 25	p.c.	
Lock, Andrews'	4 50	11 50

SOLDERING IRONS.

1, 1½ lb., per lb	0 37
2 lb. or over, per lb	0 34

SQUARES.

Iron, No. 493, per doz	2 40	2 55
" Mo. 494 "	3 25	3 40

Steel, dis. 60, 10 and 5 p.c.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.

Plain, dis. 75 and 12½ p.c. off revised list
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized	3 50	4 00
Plain	3 25	3 75

Coopers', discount 45 per cent.
Poultry netting staples, 40 per cent.

STANDARD CHAIN CO., PITTSBURGH, U. S. A.

MANUFACTURERS OF **CHAIN** OF ALL KINDS.

Proof Coil, B.B., B.B.B., Crane, Dredge Chain, Trace Chains, Cow Ties, etc.

ALEXANDER GIBB, Montreal. —Canadian Representatives— A. C. LESLIE & CO., Montreal.

For Provinces of Ontario and Quebec. For other Provinces.

STOCKS AND DIES.

American dis. 25 p.c.

STONE.	Per lb.	
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip,	0 09	0 09
Labrador	....	0 13
" Axe	....	0 15
Turkey	....	0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind. 2 in. 40 to 200 lb. per ton	....	25 00
" under 40 lb. "	....	28 00
Grind. under 2 in. thick "	....	29 00

STOVE PIPES.

5 and 6 inch Per 100 lengths	....	7 00
7 inch " " "	....	7 50

ENAMELINE STOVE POLISH.

No. 4—3 dozen in case, net cash	$4 80
No. 6—3 dozen in case, "	8 40

TACKS BRADS, ETC.

Cheese-box tacks, blued .....80 & 12½
Trunk tacks, black and tinned 85
Carpet tacks, blued .....80 & 15
" " tinned .....80 & 20
" " (in kegs) 40
Cut tacks, blued, in dozens only ..80
" ¼ weights.....60
Swedes cut tacks, blued and tinned—
In bulk.....80 & 10
In dozens.....75
Swedes, upholsterers', bulk....85, 12½ & 12½
" brush, blued & tinned, bulk..70
" gimp, blued, tinned and japanned..... .....75 & 12½
Zinc tacks 35
Leather carpet tacks 55
Copper tacks 50
Copper nails 52½
Trunk nails, black.....65 and 5
Trunk nails, tinned.....65 and 10
Clout nails, blued.....65 and 5
Chair nails 35
Patent brads 40
Fine finishing..... 40
Lining tacks, in papers 10
Lining tacks, in bulk 15
" " solid heads, in bulk.... ... 75
Saddle nails in papers..... 10
" " in bulk..... 15
Tufting buttons, 22 line, in dozens only 60
Tin capped trunk nails..... 25
Zinc glazier's points..... 5
Double pointed tacks, papers.....90 and 10
" " " bulk 40

TAPE LINES.

English, ass skin, per doz....	2 75	5 00
English, Patent Leather....	5 50	9 75
Chesterman's each.....	0 90	2 85
" steel, each	0 80	8 00

THERMOMETERS.

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TRAPS. (Steel.)

Game, Newhouse, dis. 25 p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's discount 10 per cent.

German, per doz.....	4 75	6 00

S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb.....	....	0 27
Wrapping, cotton, 3-ply.....		0 18½
" " 4-ply.....	....	0 23½
Mattress, per lb.....	0 33	0 45
Staging, "	0 27	0 35

VISES.

Wright's	....	0 13½
Brook's	....	0 12¾
Pipe Vise, Hinge, No. 1.....	....	3 50
" " " No 2	....	5 50
Saw Vise	4 50	9 00

ENAMELLED WARE.

White, Princess, Turquoise, Blue and White, discount 50 per cent.
Diamond, Famous, Premier, 50 and 10 p.c.
Granite or Pearl, Imperial, Crescent, 50, 10 and 10 per cent.

WIRE.

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Smooth Steel Wire, is quoted at the following net selling prices:

No. 6 to 8 gauge		$2 90
" 9	"	2 80
" 10	"	2 87
" 11	"	2 90
" 12	"	2 95
" 13	"	3 15
" 14	"	3 37
" 15	"	3 50
" 16	"	3 65

Other sizes of plain wire outside of Nos. 9, 10, 11, 12 and 13, and other varieties of plain wire remain at $2.80 base with extras as before. The prices for Nos. 9, to 13 include the charge of 10c. for oiling. Extras net per 100 lb.: Coppered wire, 60c.—tinned wire, $2—oiling, 10c.—special hay-bailing wire, 30c—spring wire, $1— best steel wire, 75c.—bright soft drawn, 15c.—in 50 and 100-lb. bundles net, 10c.—in 25-lb. bundles net 15c.—packed in casks or cases, 15c.—bagging or papering, 10c.
Fine Steel Wire, dis. 17½ per cent. List of extras: In 100-lb. lots: No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, 7.65—No. 24, $8—No. 25, $9—No. 26 $9.50—No. 27, $10—No. 28, $11 No. 29. $12—No. 30, $13—No. 31, $14—No. 32 $15, No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31 $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles. 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.50 to $3 85—No. 9, $2.85 to $3.15—No. 10 $3.60 to $3.95—No. 11, $3.70 to $4.10—No 12, $3 to $3.30—No. 13, $3.10 to $3.40—No. 14, $4.10 to $4.50—No. 15, $4.60 to $5.05—No. 16. $4.85 to $5.35. Base sizes, Nos. 6 to 9 $2.52½ f.o.b. Cleveland.
Clothes Line Wire, regular 7 strand, No. 17, $4.65; No. 18, $2.90; No. 19, $2.60. Hollow 6 strand, No. 17, $4.30; No. 18. $2 70 No. 19, $2.35; No 20, $2.30, f.o.b. Hamilton, Toronto, Montreal.

WIRE FENCING.

Galvanized barb	....	3 00
Galvanized, plain twist.....	....	3 00

Galvanized barb, f.o.b. Cleveland, $2.77½ in less than carlots, and $2.65 in carlots

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net.. 1 25

WASTE COTTON.	per lb.
Colored.....	6
White	8

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 60 p.c.
Coe's Genuine, dis. 20 to 25 p.c.

Towers' Engineer, each.....	2 00	7 00
" S., per doz.....	5 80	6 00
G. & K.'s Pipe, per doz.....	....	3 40
Burrell's Pipe, each.....	....	3 00
Pocket, per doz.....	0 25	2 90

WRINGERS.

Leader..... per doz.	$30 00	33 00
Royal Canadian.. "	...	24 00
Royal American., "	....	24 00
Sampson..... "	....	24 00

Terms 4 months, or 3 p.c. 30 days.

WROUGHT IRON WASHERS.

Canadian make, discount, 40 per cent.

ADVERTISING in WESTERN CANADA
will be Carefully Efficiently, and Promptly attended to, by
The Roberts Advertising Agency,
WINNIPEG CANADA.

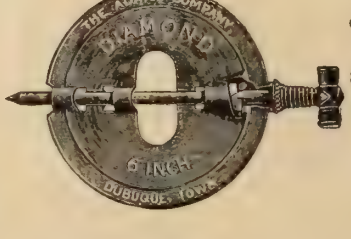
Buy the Best.



HERCULES
Sash Cord.

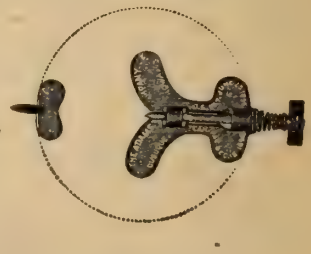
Star Brand Cotton Rope
Star Brand Cotton Clothes Lines
Star Brand Cotton Twine
For Sale by all Wholesale Dealers

DIAMOND STOVE PIPE DAMPER AND CLIP.



U. S. Patent June 25th, 1895.
Canadian Pat. Dec. 13th, 1894.

Sold by Jobbers of - - -
HARDWARE
TINWARE
and STOVES,
for furnace pipe, to support the sheet steel blade.



Manufactured by THE ADAMS COMPANY, Dubuque, Iowa, U.S.A.
A. R. WOODYATT & CO., Guelph, Ontario.

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY MONTREAL.

Watch our ad. in next issue, or write to us for particulars on our patented
Automatic Door Strip and Weather Strip
Specially adapted for cold climates and takes the place of the inner window.
HELMS & HELMS, 148-50 Willow St., PHILADELPHIA.

Standard Paint & Varnish Works Limited
Makers of High Grade Varnishes, Japans, Paints, Colors & Enamels.
Windsor, Ont.

After Stock-Taking A New Set of Books.

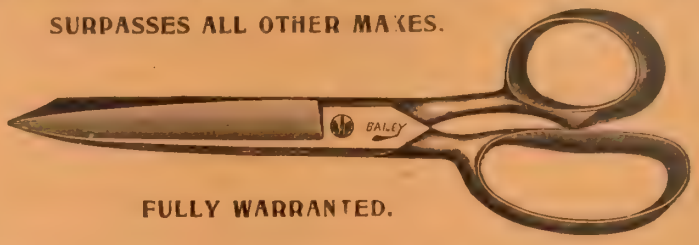
And see that your stationer given you books made of "Burmese Linen Ledger"—a paper of excellent writing surface—hard and durable—good erasable face—distinctively adapted for blank books.

CANADA PAPER CO, Limited
TORONTO and MONTREAL

"BAILEY" BRAND CUTLERY

SURPASSES ALL OTHER MAKES.

WRITE FOR CATALOGUE.



FULLY WARRANTED.

Shears, Scissors, Razors, and Butcher Knives, made by

BAILEY CUTLERY CO., Limited
BRANTFORD, ONT.



"BUILD TO-DAY THEN, STRONG AND SURE
WITH A FIRM AND AMPLE BASE."
—Longfellow.

DO YOU?

WISH THUS TO BUILD an advertisement in the CONTRACT-RECORD, TORONTO will bring you tenders from the best contractors

CHAS. F. CLARK, President. JARED CHITTENDEN Treasurer.

...ESTABLISHED 1849...

BRADSTREET'S

Capital and Surplus, $1,500,000. **Offices Throughout the Civilized World.**
Executive Offices: Nos. 346 and 348 Broadway, New York City, U.S.A.

THE BRADSTREET COMPANY gathers information that reflects the financial condition and the controlling circumstances of every seeker of mercantile credit. Its business may be defined as of the merchants, by the merchants, for the merchants. In procuring, verifying and promulgating information no effort is spared, and no reasonable expense considered too great, that the results may justify its claim as an authority on all matters affecting commercial affairs and mercantile credit. Its offices and connections have been steadily extended, and it furnishes information concerning mercantile persons throughout the civilized world.

Subscriptions are based on the service furnished, and are available only by reputable wholesale, jobbing and manufacturing concerns, and by responsible and worthy financial, fiduciary and business corporations. Specific terms may be obtained by addressing the Company at any of its offices. **Correspondence Invited.**

—OFFICES IN CANADA—

HALIFAX, N.S.	HAMILTON, ONT.	LONDON, ONT.	MONTREAL, QUE.
OTTAWA, ONT.	QUEBEC, QUE.	ST. JOHN, N.B.	TORONTO, ONT.
VANCOUVER, B.C.	VICTORIA, B.C.	WINNIPEG, MAN.	

THOS. C. IRVING, Gen. Man. Western Canada, Toronto. JOHN A. FULTON, Gen. Man. Eastern Canada, Montreal.



Australasian Hardware and Machinery.

The Organ of the Hardware, Machinery and Kindred trades of the Antipodes.

SUBSCRIPTION $1.25 PER ANNUM,

post free to any part of the world.

PUBLISHING OFFICES:
Melbourne, - Fink's Buildings.
Sydney, - - - Post Office Chambers.
AMERICAN OFFICES:
New York, - Park Row Building.
BRITISH OFFICES:
London, - - - 42 Cannon St., E.C.

Specimen Copies on application.

THE TIME TO INSURE IS NOW

While you are WELL, STRONG and INSURABLE.

THE

Confederation Life

ASSOCIATION issues policies on all approved plans of insurance, and is a prosperous and progressive Canadian Company.

PROTECTION FOR YOUR FAMILY.
PROFITABLE INVESTMENT FOR YOURSELF.

Pamphlets and full information sent on application.

Hon. Sir W. P. Howland, K.C.M.G., C.B., PRESIDENT.
W. H. Beatty, Esq., W. D. Matthews, Esq., VICE-PRESIDENTS.
W. C. MACDONALD, ACTUARY. J. K. MACDONALD, MANAGING DIRECTOR.

HEAD OFFICE, - TORONTO.



Est. 1868 Inc. 1895

Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve Medals



Awarded
By **JURORS** at
International Expositions
Special Prize
Gold Medal at Atlanta, 1895



1902 GARDEN HOSE. 1902

We manufacture the most popular and best selling lines of Garden Hose in Canada. Our "Maltese Cross" brand we confidently recommend as the finest Garden Hose on the market.

We have other grades not quite so expensive, but good reliable brands, viz.: "Lion" (the popular medium-priced hose), "King" "Sun" and "Leader."

Our "Kinkproof" (wire wound) hose is wired by a special process controlled solely by ourselves, and is so constructed that it may be cut at any wind of the wire without loosening or uncoiling, the wire being self-gripping throughout each length.

THE GUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

Head Office and Warerooms—
45-47-49 West Front St.

TORONTO,

Factories—115-165 West Lodge Ave.
124-148 O'Hara Ave.

CANADA.

BRITISH MANUFACTURED

CASTOR OIL

"H. O. M. CO." Brand.

Cold Drawn Pharmaceutical,
First Pressure,
Second Pressure.

From stock and to import. In barrels, and cases—2 tins each. Special prices for import orders.

B. & S. H. THOMPSON & CO.

28 St. Sulpice St., MONTREAL,

CORDAGE

ALL KINDS AND FOR ALL PURPOSES.

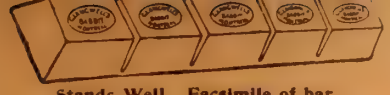
Manila Rope	Lathyarn
Sisal Rope	Shingleyarn
Jute Rope	Bale Rope
Russian Rope	Lariat Rope
Marline	Hemp Packing
Houseline	Italian Packing
Hambroline	Jute Packing
Clotheslines	Drilling Cables
Tarred Hemp Rope	Spunyarn
White Hemp Rope	Pulp Cord
Bolt Rope	Lobster Marlin
Hide Rope	Paper Cord
Halyards	Cheese Cord
Deep Sealine	Hay Rope
Ratline	Fish Cord
Plow Lines	Sand Lines

"RED THREAD" Transmission Rope from the finest quality Manila hemp obtainable, laid in tallow.

CONSUMERS CORDAGE COMPANY, Limited

Western Ontario Representative—
WM. B. STEWART,
Tel 94. 27 Front St. West, TORONTO.

MONTREAL, QUE.



Stands Well. Facsimile of bar.

CANADIAN

HARDWARE

AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XIV. MONTREAL AND TORONTO, JANUARY 18, 1902 NO. 3.

POCKET KNIVES

H. BOKER & Cos

IMPROVED

TREE BRAND

TRADE MARK

RAZORS CUTLERY SCISSORS

FOR SALE BY LEADING WHOLESALE HARDWARE HOUSES.

Lysaght's Brands

"**Queen's Head**"—Best quality, best galvanizing.

"**Fleur de Lis**"—Best quality, ordinary galvanizing.

"**Redcliffe**"—Corrugating quality.

"**Orb**"—Highest grade Corrugated Iron.

Each the leader in its grade.

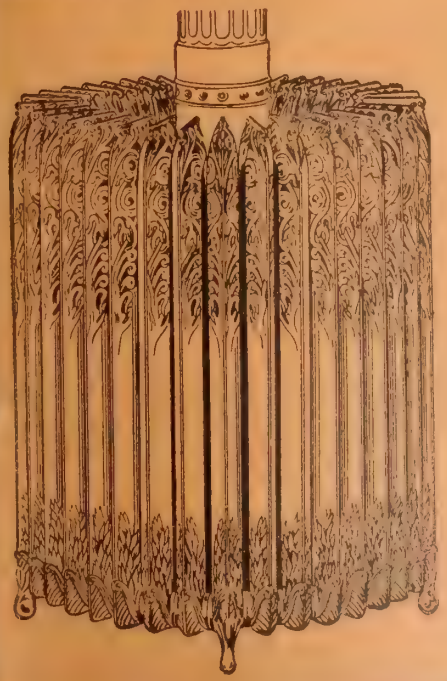
JOHN LYSAGHT, Limited, Makers, BRISTOL, ENG.

A. C. LESLIE & CO., MONTREAL, Managers Canadian Branch.

CB.4/530(1)
RETURNED
JAN 21 1902

Radiatorology.

That's our specialty—Radiatorology. It's a science—How to build a radiator that's easy to handle for the contractor and is a comfort-giver and a saver of money for the home-builder.



The "Safford"

is all this. It's no new thing, but is recommended by a world of people who have used it. Write to us for a catalogue or other information.

THE DOMINION RADIATOR CO., Limited

Head Office, Dufferin Street

TORONTO, CAN.

FINE

English Cutlery

CARVERS IN CASES
DESSERT SETS
FISH EATERS
CAKE KNIVES
BREAD FORKS, Etc.

NOVELTIES

BRASS KETTLES
CHAFING DISHES
HOT-WATER PLATES
BRASS INK STANDS
PAPERWEIGHTS, Etc.

RICE LEWIS & SON

LIMITED

Cor. King and Victoria Streets. TORONTO.

CRUCIBLES

Nos. 18 to 60 in stock.

WRITE FOR PRICES.

Samuel, Sons & Benjamin, London and Liverpool, Eng.

M. & L. Samuel, Benjamin & Co.

General Importers and Exporters and Metal Merchants.

27 Wellington St. West, TORONTO, ONT.



Australasian Hardware and Machinery.

The Organ of the Hardware, Machinery and Kindred trades of the Antipodes.

SUBSCRIPTION $1.25 PER ANNUM,

post free to any part of the world.

PUBLISHING OFFICES:
Melbourne, - Fink's Buildings.
Sydney, - - - Post Office Chambers.
AMERICAN OFFICES:
New York, - Park Row Building.
BRITISH OFFICES:
London, - - - 42 Cannon St., E.C.

Specimen Copies on application.

"C.R.Co." Star



RED RUBBER PACKING

FOR HIGH-GRADE WORK

Good Packing **Good Price**
Good Profits **Good Advertising Matter**

Send for samples, prices and advertising matter.

The Canadian Rubber Co.

MONTREAL TORONTO WINNIPEG

Other Tools are very good Tools, but

"YANKEE TOOLS"

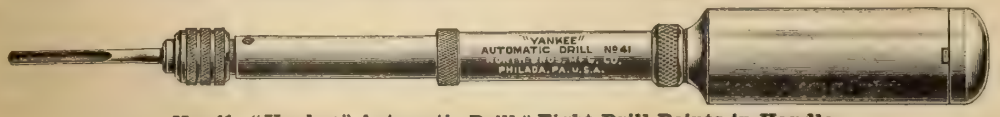
ARE BETTER



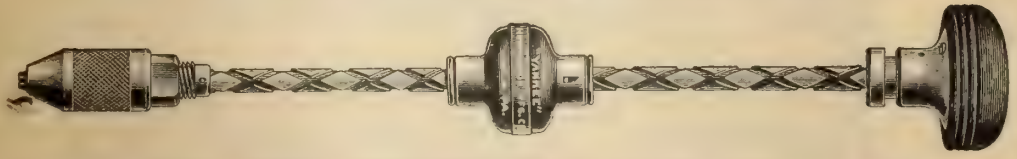
No. 15. "Yankee Ratchet Screw Driver, with Finger Turn on Blade.



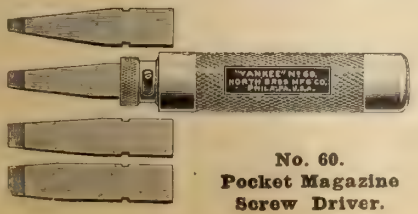
No. 30 "Yankee" Spiral-Ratchet Screw Driver, Right and Left Hand.



No. 41. "Yankee" Automatic Drill," Eight Drill Points in Handle.



No. 50. "Yankee" Reciprocating Drill, for Iron, Steel, Brass, Wood, etc.



No. 60.
Pocket Magazine
Screw Driver.

Our "YANKEE" Tool Book tells all about them. Mailed free on application. . . . . .

Manufacturers also of

LIGHTNING, GEM and BLIZZARD Ice Cream Freezers.

Toy Freezers, Ice Shaves and Ice Chippers.

Fluting Machines, Hand Fluters.

Sold by Leading Jobbers in Canada.

NORTH BROS. MFG. CO.,

Philadelphia, Pa., U.S.A.

ESTABLISHED 1750

THE EDINBURGH ROPERIE & SAILCLOTH Co. Ld

(TELEGRAPHIC ADDRESS) ROPERIE

LEITH SCOTLAND

MANUFACTURERS OF EVERY DESCRIPTION OF







CORDAGE & CANVAS



MANILA ROPE
SISAL ROPE
NEW ZEALAND ROPE
RUSSIAN ROPE
JUTE ROPE
FISHING LINES
NETTING TWINES
PARCEL TWINES
SPUNYARNS & PACKINGS
BAILING ROPES & CORDS

TRADE R E C MARK 1750

SAILCLOTH
STEAMER CLOTHS
AWNINGS
TENT CLOTHS
DUCKS
PRESSING CLOTHS
TARPAULINGS
CHEMICAL WATERPROOF
SEAMING TWINES
ROPING TWINES



BUYERS OWN SAMPLES MATCHED AT LOWEST TRADE TERMS

ADDRESS ALL COMMUNICATIONS TO OUR CANADIAN OFFICE AND STORES,

THE EDINBURGH ROPERIE & SAILCLOTH CO'Y, Limited, - - 9 St. Peter Street, MONTREAL.



No. 178.
$7.25 gross; 70c. doz.

KEYS

The most complete stock carried in Canada.

——Send for Trade Catalogue.

If interested in Bicycle or Automobile material or Sporting Goods, drop us a postal and we will mail you our latest catalogue.

JOHN MILLEN & SONS

MONTREAL, CANADA

Branch: 132 Bay Street, - - - - Toronto, Ont.

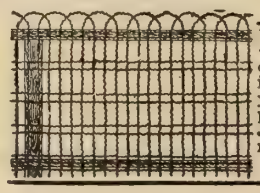


Ontario Nut Works, Paris

BROWN & CO.

Manufacturers of

All sizes of Hot Pressed Nuts, Square and Hexagon.



Page Metal Ornamental Fence. We now make fence that is ornamental, very showy and surprisingly cheap. It is just what is wanted for door yards, division fences in town lots, grave yards, orchards, etc. It is painted and retails at only **20 cts. PER RUNNING FOOT.** Just think of it. Let us send you full particulars. We also make farm fence, poultry netting, nails and staples.

The Page Wire Fence Co., Limited, Walkerville, Ont. 8

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker,
13 St. John Street, Montreal

Representing British and American Manufacturers. Correspondence invited from firms wishing to be represented in Canada.

FILES. RASPS.

WE ARE NOT IN THE TRUST.

Quality of our goods guaranteed and our discounts very liberal. A trial order solicited. Write for discounts.

99 Niagara St., **TORONTO FILE CO.**

CANADIAN GOODS FOR CANADIANS.

H. S. HOWLAND, SONS & CO.

WHOLESALE ONLY

37-39 Front Street West, **Toronto.**

ONLY WHOLESALE

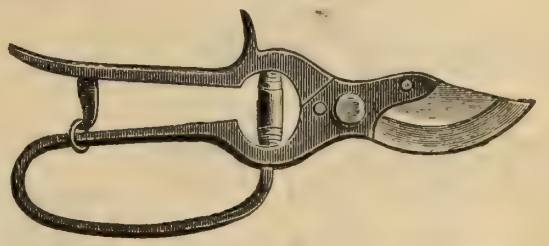
RETURNED
JAN 27 1902

Pruning Shears.

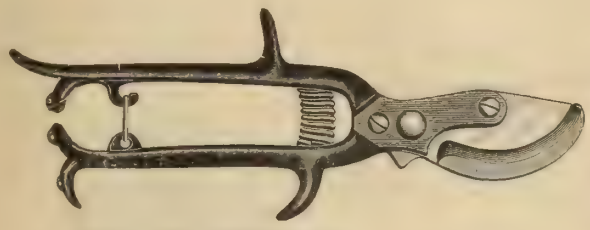
(AMERICAN AND GERMAN)



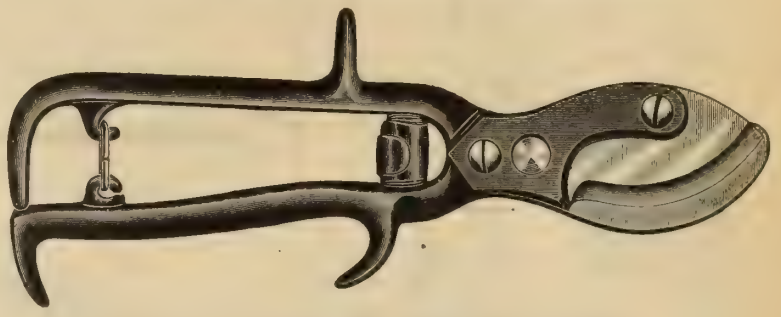
No. 1636. 8-in. Flat Steel Spring, Black.



No. 7191. 8½-in. Flat Steel Spring, Bow Handles.

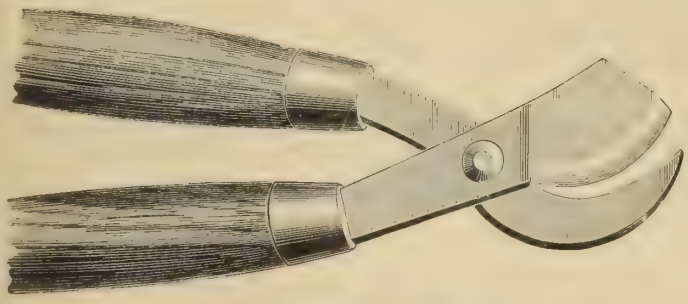


No. 0. 9-in. Cast Steel Blades, Japanned Handles, Spiral Brass Spring.



No. 12. 8½-in. Cast Steel Blades, Japanned Handles, Flat Spiral Steel Spring.

TREE PRUNERS.



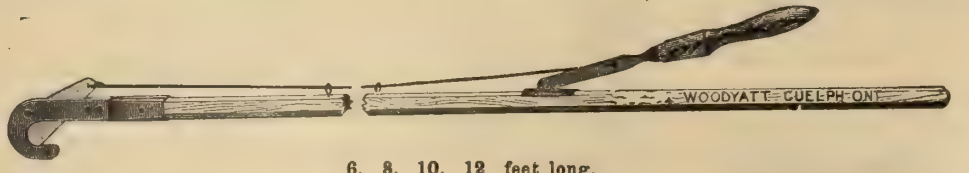
No. 35. Cast Steel Blades; Length, 26-in.
" 38. " " " 41-in.

DEHORNERS.



"Keystone." 36-in. Handles.

LONG HANDLE TREE PRUNERS.



6, 8, 10, 12 feet long.

H. S. HOWLAND, SONS & CO., Toronto.

For Prices and Description see our No. 12 Catalogue.

WE SHIP PROMPTLY

Graham Wire and Cut Nails are the Best.

Factory: Dufferin Street, Toronto.

OUR PRICES ARE RIGHT

HENRY ROGERS, SONS & CO.,

SHEFFIELD, ENGLAND

Manufacturers of the celebrated

H R S & C°

BARB and PLAIN

Galvanized Wire

Canadian Office:
6 ST. SACRAMENT ST., MONTREAL
F. A. YORK, Manager.



WRIGHT'S Insect Sprayers

PLAIN TIN,
LACQUERED,
ALL BRASS.

"BEST ON EARTH."

Manufactured by

E. T. WRIGHT & CO.

HAMILTON, ONT., and
MONTREAL, QUE.
J. H. Hanson, Agent, Montreal.

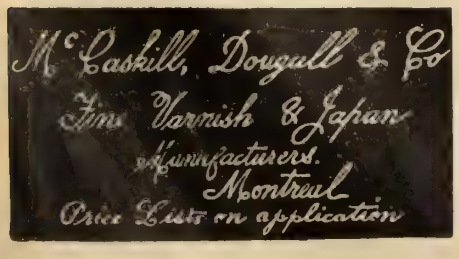
KNOX HENRY

Heavy Hardware and Metal Broker
Room 32, Canada Life Bldg., MONTREAL.



Samples sent free on application.

HORSE NAILS — "C." Brand Horse - Nails Canada Horse Nail Co.
"BRASSITE" GOODS — Gunn Castor Co Limited, Birmingham, Eng.



THE INDEPENDENT CORDAGE CO., Limited,

TORONTO.

Highest Award Pan-American Exposition

MANUFACTURERS OF ALL KINDS OF

SISAL MANILA **ROPE,** Lath Yarn, Shingle Yarn, Hide Cord, Pulp Cord, Clothes Lines. **BINDER TWINE**

Transmission Rope a specialty.

"There are different degrees of goodness—Good,
Better,
and the Best is none too good." Best,

You won't find this quotation in Proverbs, but it is just as true.

DILLON'S "English Steel" Scythes, Saw Tools, Axes, etc.

R. DILLON, OSHAWA, ONT.

H. & R. SINGLE GUN AUTOMATIC AND NON-EJECTING.

12 and 16 Gauges.
Steel and Twist Barrels.
Superior in Design, Workmanship and Finish, and the most popular Gun on the Market.

Simplest "Take Down" Gun Made.



HARRINGTON & RICHARDSON ARMS CO.
Also makers of H. & R. Revolvers,
Catalog on request. Worcester, Mass., U.S.A.

STEVENS ALL STEEL TOOLS

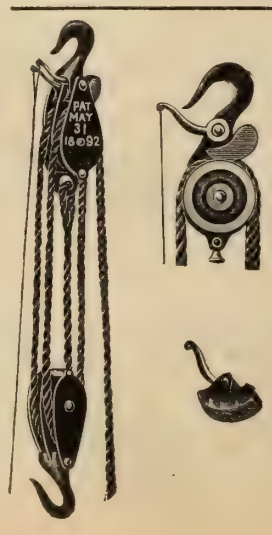
— ARE —

STANDARD FOR QUALITY.

Your stock is not complete without a full line of our **Rifles, Shotguns, Pistols, Tools and Victor Bicycles.**

Handled by the Leading Jobbers.

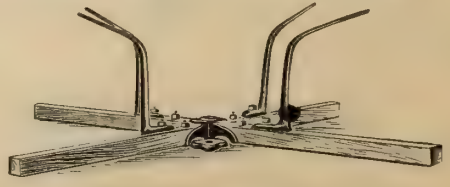
J. Stevens Arms & Tool Co., P.O. Box 217 **Chicopee Falls, Mass., U.S.A.**



A popular line of goods at popular prices characterizes our product. We only supply the best, and that at right prices.

London Fence Machines, Steel Gates, Wire Stretchers, Wire Reels, Pliers, Diggers,

and all kinds of FENCE WIRE.



SECURE THE BEST.

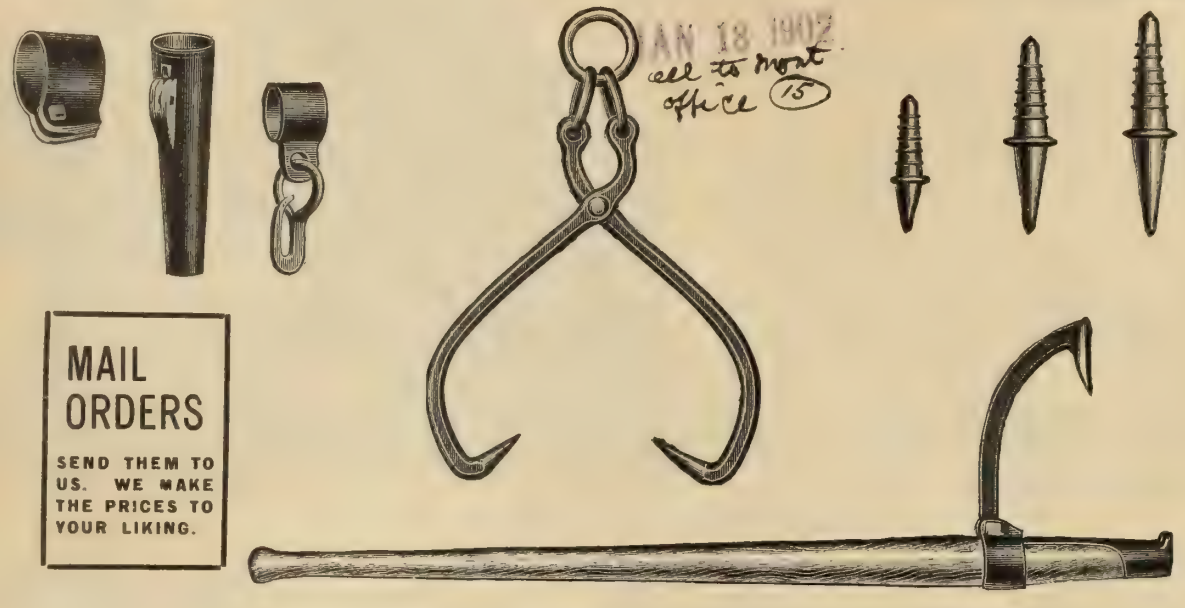
THE LONDON FENCE MACHINE CO., LONDON, CANADA.

LUMBERMEN'S TOOLS.

THE LARGEST STOCK
THE BEST VARIETY.

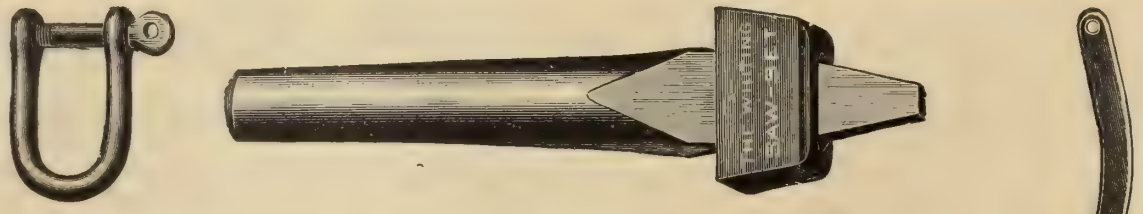
LOW PRICES.
QUICK SHIPMENTS.

JAN 18 1902
all to mont office (15)



MAIL ORDERS

SEND THEM TO US. WE MAKE THE PRICES TO YOUR LIKING.



PEAVIES, CANT HOOKS,

PIKE POLES, SWAMP HOOKS,
CANT HOOKS AND PIKE POLE PARTS,
CANT DOG HANDLES, SKIDDING TONGS,
CLEVISES, HEEL PLATES, CHAIN LINKS, ETC., ETC.

LEWIS BROS. & CO.

MONTREAL.

Our

IMPERIAL OXFORD

Represents the very highest development attained in range construction.

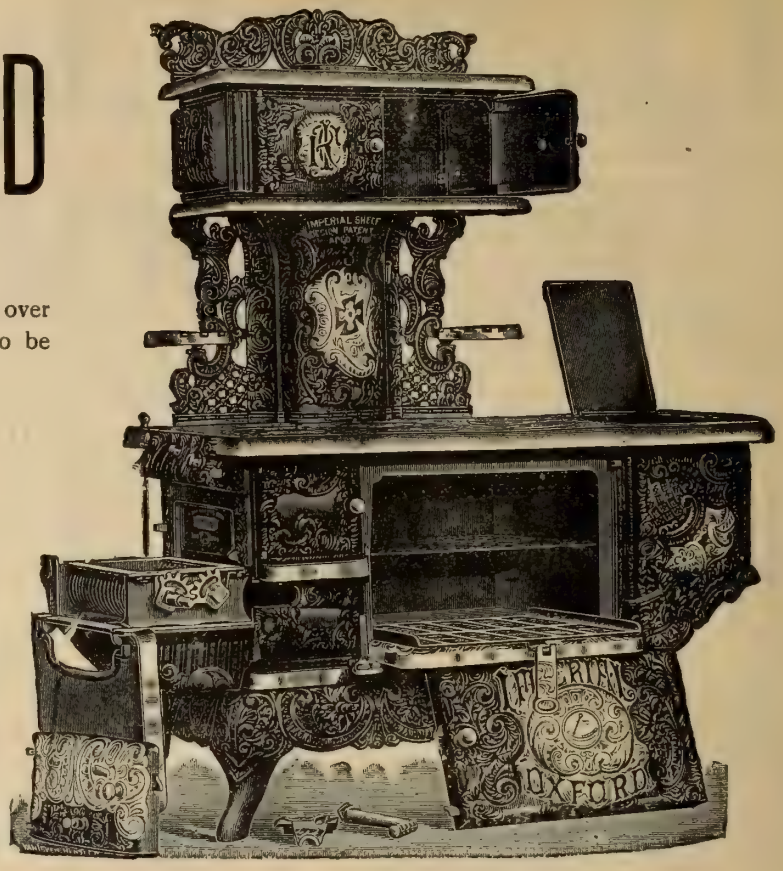
Its patented improved features give it precedence over all others—and the improvements need only to be seen to be appreciated.

ITS FRONT DRAW-OUT GRATE
DIFFUSIVE FLUE CONSTRUCTION
OVEN THERMOMETER
DRAW-OUT OVEN RACK

and handsome appearance are "talking points" that sell it everywhere. They are leading favorites all over Canada.

Are you handling them?

If not, write for our catalogue and price list, and send Spring **orders** now to be ready for early business.



THE GURNEY FOUNDRY CO., Limited

TORONTO. WINNIPEG. VANCOUVER

THE GURNEY-MASSEY CO., LIMITED, MONTREAL.

The Robin Hood Powder Company

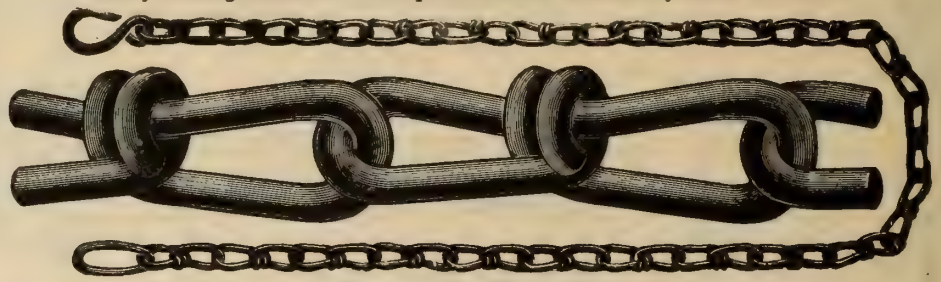
If you want the best Trap or Game load in the world, buy "Robin Hood Smokeless," in "Robin Hood" Shells. It is quick, safe, and reliable. Try it for pattern and penetration from forty to seventy yards against any powder on the market. We make the powder, we make the shells, and we load them. Write for our booklet, "Powder Facts."

The Robin Hood Powder Company

SWANTON, VT.

IMPROVED STEEL WIRE TRACE CHAINS.

Every chain guaranteed. Most profitable and satisfactory chain to handle.



Improved Quality for 1902.

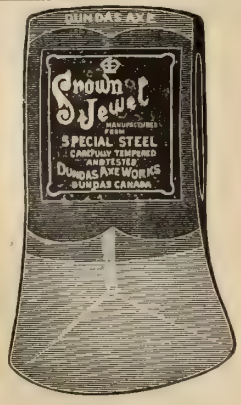
THE B. GREENING WIRE CO., LIMITED

HAMILTON, ONT., AND MONTREAL, QUE.

There are twelve Axes that sell well in every dozen of

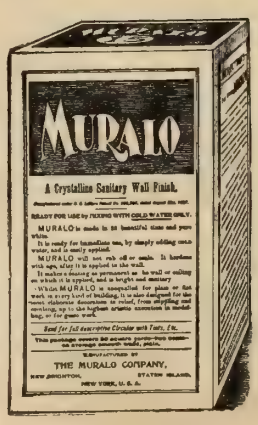
DUNDAS AXES

Wait for travellers with samples before placing your orders.



Dundas Axe Works, Dundas, Ont.

W. L. Haldimand, Jr., Montreal, Agent.



There is a great money-maker in the wall finish business, introduced not very many years, but now outstripping the output of all others put together. It is shipped to all parts of the world under the appropriate name of

MURALO

because it has been introduced and advertised by the **MURALO CO.**, peers in the art of advertising and in the making of a wall coating to mix with cold water only. Better, more economical, healthier and more beautiful than any wall finish known. Do you want to hear about it?

A. RAMSAY & SON - MONTREAL
J. H. ASHDOWN - - WINNIPEG
McLENNAN, McFEELY & CO., VANCOUVER
Agents

AMERICAN SCYTHES.

Hubbard & Blake's and Isaiah Blood's | Celebrated Scythes

PRICES NO HIGHER THAN CANADIAN—QUALITY BETTER.

If you want them and your Jobber has not got them write to us.

Thos. C. Collins & Sons
301 St. James St.
MONTREAL
SALES AGENTS FOR CANADA.

American Axe & Tool Co.
253 BROADWAY,
NEW YORK, N.Y.

ESTABLISHED 1843. INCORPORATED 1893.

THE Gurney-Tilden Co., LIMITED

Hamilton, Toronto, Montreal.

AGENCIES:—SAINT JOHN, N. B., VANCOUVER, B. C.

MANUFACTURERS OF . . . . . **LOCKS and BUILDERS' HARDWARE** OF EVERY DESCRIPTION.

- Horizontal Rim Knob Latches,
- Horizontal Rim Night Latches,
- Horizontal Rim Tubular Night Latches,
- Horizontal Cylinder Rim Night Latches,
- Horizontal Rim Knob Locks,
- Upright Rim Knob Locks (Plain and Ornamental),
- Horizontal Rim Knob Locks,
- Horizontal Rim Dead Locks,
- Upright Rim Store Door Dead Locks,
- Upright Cylinder Rim Dead Locks,
- Mortise Knob Latches,
- Mortise Night Latches,
- Mortise Dead Locks,
- Mortise Store Door Lock,

and with many styles of Door Sets, the newest designs in Bronze and Brass Knobs and Escutcheons . . . . . .

Catalogues, Prices and Discount Sheets CAN BE HAD BY ANY DEALER FOR THE ASKING.

FOR THE STREET

THE "M&M" TRADE MARK LIGHT

FOR THE STORE



What "M & M" Lamps Do.

They give a stronger, whiter, steadier light than the electric arc. Operate easily, safely, satisfactorily. Save money—actual 600 candle-power light at a cost of one-half cent an hour. Think of it! Write for circulars, etc. GOOD AGENTS WANTED- Exclusive territory allowed.

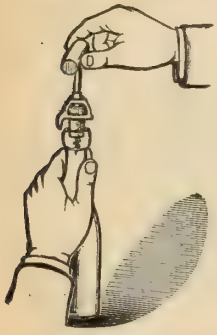
ACORN BRASS WORKS,
Dept. 8, 15-23 Jefferson Street - - CHICAGO, ILL.

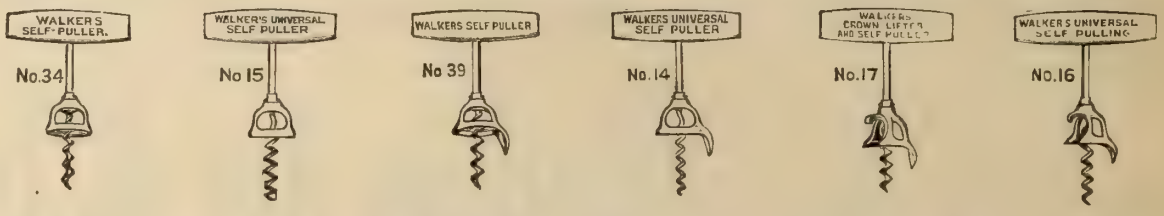


What "M & M" Lamps Save.

Barrett Hardware Co, Joliet Ill, write: "Gasoline and supplies for "M & M" Lamps cost us $15.46 last year, an average of 60c. a month per lamp. We believe we had as good a light as though we had six electric arc lights at a cost of $360." No wonder that over 30,000 "M & M" Lamps are in use all over the United States and Canada. THEY KILL BIG GAS AND ELECTRIC LIGHT BILLS. It will pay you to investigate. Write for circulars. AGENTS WANTED. Dept. 11, 15-23 Jefferson St., Chicago.

See! You Don't Have to Pull. A Child Can Do It.





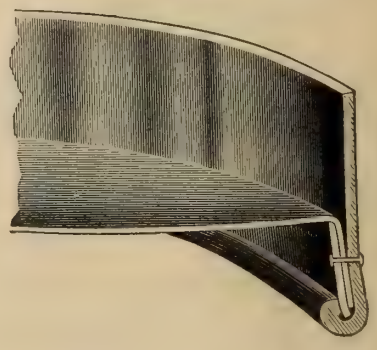
Walker's Self-Pulling Cork Screws

Made of Crucible Steel, Nickel Plated, Polished Apple Wood Handles.

EVERY ONE TESTED AND GUARANTEED. Several imitations on the market, but none as good.

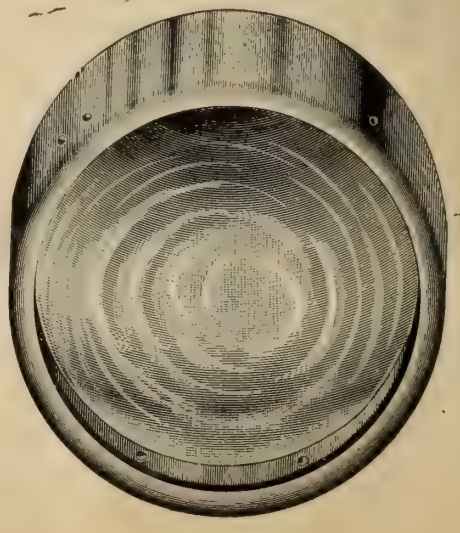
Mfrd. only by **ERIE SPECIALTY CO., Erie, Pa., U.S.A.**

KEMP'S Broad Hoop Roll Rim Milk Can Bottoms



possess all the points which go to make perfection in Can Bottoms. They have been used by a criticizing public for three seasons, and their popularity is evidence of the satisfaction which they gave. The Roll Rim has no sharp turns which break the grain of the metal and lessen its wearing qualities. It has a broad wearing surface and will not damage floors. They do not cost more than an inferior Bottom. **The IRON-CLAD TRIMMINGS** are made the same as the broad hoop, and differ from them only in having a narrower and thicker hoop which does not require the Roll Rim, and, therefore, can be sold cheaper. For durability and finish our trimmings are unequalled.





Manufactured by

KEMP MANUFACTURING CO.,
TORONTO, CANADA.

HARDWARE AND METAL

VOL. XIV. MONTREAL AND TORONTO, JANUARY 18, 1902. NO. 3.

President:
JOHN BAYNE MacLEAN,
Montreal.

The MacLean Publishing Co.
Limited

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P.E. Island and Newfoundland.

OFFICES.

MONTREAL - - - - 232 McGill Street. Telephone 1255.
TORONTO - - - 10 Front Street East. Telephone 2701.
LONDON, ENG. - - 109 Fleet Street, E.C. W. H, Miln.
MANCHESTER, ENG. - - 18 St. Ann Street. H S. Ashburner.
WINNIPEG - - - Western Canada Block. J. J. Roberts.
VANCOUVER, B.C. - - - Flack Block. J. A. Macdonald.
ST. JOHN, N.B. - - No. 3 Market Wharf. J. Hunter White.
NEW YORK - Room 442 New York Life Bldg.

Subscription, Canada and United States, $2.00.
Great Britain and elsewhere - - 12s.
Published every Saturday.
Cable Address { Adscript, London. / Adscript, Canada.

WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

STEEL RAIL MAKING IN CANADA.

THE Department of Railways at Ottawa has been informed by Mr. F. H. Clergue that his company, the Algoma Steel Company, Sault Ste. Marie, Ont., will begin the making of steel rails next month. The capacity of the mill is 1,000 rails a day and the materials necessary for the production of 50,000 tons are said to be now in stock. The Algoma Company will not at present produce its own pig iron, but will obtain the greater part of its supplies from the Midland furnace in which Mr. Clergue is also financially interested.

Mills to re-roll old iron rails were started a number of years ago in Toronto and Hamilton, but these went out of existence with the advent of steel rails, so that when the mill at Sault Ste. Marie begins operations next month it will have the honor of being the first to make rails in Canada, either iron or steel.

It will be remembered that in the House of Commons in April last the Minister of Railways, Hon. Mr. Blair, announced that his Department had placed an order with Mr. Clergue's company at Sault Ste. Marie for 25,000 tons at $32.60 per ton ex wharf Montreal or Levis, delivery to be made from June to September, 1901. A like quantity was to be taken during each of the following four years, the price to be the same as that ruling in the British market. It will be noticed that the period when the first 25,000 tons were to be delivered has elapsed and with it the price which the Government was to have paid for the same. We therefore presume that for whatever rails Mr. Clergue's company may supply the Government during the next four years the price paid will be that rate ruling in the British market. The price now ruling in Great Britain is 10 to 15s. a ton lower than a year ago.

A press despatch from Ottawa, under date of January 15, says that the Government has made a contract with an English firm for the supply of 15,000 tons of steel rails for use on the Intercolonial, presumably on account of the inability of The Algoma Steel Co. to begin to fill its contract as originally intended. It is, however, gratifying to know that next month will see the mill in actual operation.

The Dominion Iron and Steel Co., Sydney, began the making of steel ingots three weeks ago, and soon we may also expect to see that company turning out both plates and steel rails.

HON. MR. FIELDING'S "SCOOP."

THERE was nothing particularly clever about Hon. Mr. Fielding's action in inviting Marconi to visit Canada when the Anglo-American Company undertook to force him out of Newfoundland. He, however, did a wise thing. And, after all, what is most essential in public men as in business men is wisdom, not cleverness.

His action has certainly pleased the man who has given utility to wireless telegraphy and made the establishment of one or more stations in Canada all the more probable.

Mr. William Smith, secretary of the Post Office Department, who has recently returned from Newfoundland, says that Marconi was greatly perturbed when he was served with the now-famous notice by The Anglo American Cable Co., and that Mr. Fielding's invitation to visit Canada was a great relief to him.

Besides being a direct benefit to Marconi, the invitation of Mr. Fielding was indirectly at least a benefit to Canada itself, coupling as it did this country with the name of the great inventor, whose recent wonderful results in wireless telegraphy have astonished the world.

Canada is benefitting from Mr. Fielding's action because he did the right thing at the right moment. Like a trained newspaperman that he is, he saw there was a good thing in it for Canada. And by acting quick he got, to use a newspaper term, a "scoop" on his esteemed contemporary, the United States. He is to be congratulated.

LOWER PRICES ON WIRE AND NAILS.

SINCE we went to press last week a number of marked changes have taken place in prices. Not for a long time within the same period have so many taken place.

HARDWARE AND METAL last week said that the nail manufacturers had for three days been wrestling with the subject of prices, but that up to the hour of going to press no final result had been reached. Shortly after we went to press, however, it was decided to reduce prices 30c. per keg on less than car lots and 25c. per keg on car lots. The difference between car lots and less quantities is now therefore only 5c. per keg instead of 10c. as formerly.

The decline is scarcely due to the condition of the iron and steel market, which is strong now and has been for some months. Two or three weeks ago, owing to competition and a quiet market, prices declined $2 to $3 per ton in the United States, but since then the market over there has assumed a steadier tone. In fact, at a meeting held only on Tuesday last, January 14, prices were slightly advanced. In its report of the meeting, The Iron Trade Review of January 16 said: "At a meeting of representatives of the independent wire interests of the country and the American Steel and Wire Co., held here Tuesday, January 14, a new price list was estabilshed and an agreement reached to hold prices on a basis similar to the plate, bar and structural steel agreements. The meeting was in session all day, and, upon its conclusion, it was announced that prices had been established on a basis about equal to the ruling market. Wire nails, which have been selling on a basis of $2.05 to $2.10 per keg in carload lots, were fixed at $2.05 per keg to large jobbers, $2.10 per keg to carload buyers and $2.20 on less than carload lots."

Trade has been quiet during the past few weeks, but the direct cause of the decline in the price of wire nails is the keen cutting inaugurated by two or three houses. Some of these reduced their figures to as low as $2.50 per keg. And, although the price has again been made uniform, the feelings of some of those in the trade towards each other has not yet been materially softened, particularly as quite a quantity of nails were sold during the few days that the cutting was at its keenest.

The discount on miscellaneous wire nails has been fixed at 75 per cent.

Cut nails, in sympathy with wire nails, are 20c. lower on less than car lots, and 17½c. lower on car lots, making the quotations $2 35 and $2.27½ respectively.

Smooth steel wire is lower, and oiled and annealed is no longer quoted at net figures. Particulars of this will be found in our prices current. The base price of smooth steel wire is now $2.60 per 100 lb. Oiling is 10c.; coppering, 60c., and tinning, $2 advance. No change has been made in the list of fine steel wire, but the discount is now 22½ per cent. instead of 17½ per cent.

Other changes in prices are as follows: Pressed spikes, discount 25 per cent., was 22½ per cent. Staples, bright, $2.90; galvanized, $3.25, was $3.25 and $3.50 respectively. Lead pipe, discount 35 per cent., was 30 per cent. Shot, 22½ per cent., was 17½ per cent.

HON. SYDNEY FISHER'S MISTAKE.

IN an address at Leskard, Ont., on January 9, Hon. Sydney Fisher, Minister of Agriculture, said there was no Customs duty in Canada over 35 per cent.

Mr. Fisher is what a good many of his predecessors in his particular portfolio were not, namely, a practical farmer. And he has, on the whole, administered his Department with acceptance. But because Mr. Fisher is an efficient Minister, it does not follow that mistakes which he may make should go uncorrected. Indeed, the very fact that such can be said of him gives his utterances all the more weight, and makes it all the more necessary that they should be rectified when they are wrong.

In declaring that there was no duty over 35 per cent., Hon. Mr. Fisher was wrong. We cannot believe that he intentionally said what was not true; but as some of the articles on which the duty exceeds 35 per cent. appertain more to his Department than to any other in the Government, it is difficult to understand his digression from the facts.

On canned vegetables, for example, the duty is much larger than 35 per cent. The duty is a specific one of 1½c. per lb., and means, based on to-day's prices, a rate of at least 50 to 60 per cent. On jams and jellies the duty runs from 45 to 50 per cent. at the smallest calculation. Then, there is granulated sugar, the duty on which, according to the price at which importations are being made this week in Toronto, approximates closely to 50 per cent.

Then, there are some lines in the hardware trade, such as ammunition, hinges, etc., on which the duty collected is a great deal in excess of 35 per cent. of the cost of the goods.

It is not with any desire to be captious that we draw attention to the incorrectness of Mr. Fisher's remarks regarding the duty, but there is altogether too much recklessness on the part of public speakers in both political parties, and independent journals are only performing their duty when they expose them.

AN INCOMPETENT BODY.

EVERY movement Toronto makes to improve its municipal machinery appears to be abortive. When, some eight or nine years ago, the number of the wards was reduced it was hoped that the influence of the ward heeler would be weakened and that the quality of the aldermen would be improved. But it is only necessary to compare the members of the council of to-day with the council of ten years ago to prove how fallacious that effort has been.

Then came the Board of Control, into which was to be gathered the aldermanic cream. But here again the expectations of the municipal reformers have not been realized. And the composition of the Board for 1902 furnishes the most concrete example of this that we have had since that particular piece of municipal machinery was created.

To the business men of Toronto who concern the mselves in the affairs of the "Queen City," the Board of Control for 1902 in a travesty on municipal government even as we have it to-day. And it is no wonder. Not one among the four is a strong man. And yet the power which, under the Act of the Legislature the members thereof exercise, is great.

It is to be hoped that the glaring incompetency that is concentrated in this year's Board of Control, and, not only in the Board of Control, but in the chairmanships of the different standing committees of the Council, will awaken the business men of Toronto to a sense of their duty. It is a well-known fact that they do not now do their duty.

The predominating influence in the municipal politics of Toronto is the ward heeler. The business man is nowhere. And it is only because he, by his apathy, permits it.

TRADE IN COUNTRIES OTHER THAN OUR OWN.

TRADE OUTLOOK IN SHEFFIELD.

THERE is much searching of hearts among steel manufacturers as to the prospects of the new year, a point on which all seem to be in the dark. On account of the absence of work to commence with the outlook is regarded as decidedly gloomy, although some are of opinion that the South-African market will shortly furnish some business, and all agree that the complete reopening of that market would give a valuable stimulus to trade all round and restore general confidence. The result of our inquiries points to slackness for a considerable time in the demand for steel for railway, marine, and engineering purposes, nor are there any indications of early improvement in the crucible-steel department, the depression in which has already lasted for two years. The bar iron department is likely to be less strong than was the case in the past year, for manufacturers are not hopeful of reductions in the cost of raw material and fuel.—Ironmonger, January 4.

PLUMBERS' BRASS GOODS LOWER.

The sharp decline in copper will, it is expected, cause the announcement of lower prices on plumbers' brass goods after the meeting of the executive committee of The Brass Goods Manufacturers' Association, scheduled for the 14th inst. A revision of prices based on 13-cent copper is thought likely. The demand for brass goods, as is natural under the circumstances, has fallen to a very small volume. Buyers are not taking anything in this line beyond what their immediate needs dictate.

PRICES OF STOVES STIFFENING IN THE UNITED STATES.

Recently we gave notice that an advance of 5 per cent. in the price of stoves had been made in the west. This action stimulated the stove manufacturers of eastern Pennsylvania to profit by the example set, for at a recent meeting an advance of 5 per cent. in the price of stoves, to take effect on January 1, was made by them. So far, no evidence has reached us of a similar course being pursued by the up-State manufacturers of New York, who have held meetings frequently at the Waldorf-Astoria in New York City, nor has the apathy which seems to have seized the body of manufacturers which has hitherto met at the Astor House been shaken off to the extent of making an effort to adjust their prices in accordance with the recent increases in the cost of materials.

Notwithstanding that the year 1901 has been considered a good year in many other lines of trade, some stove manufacturers are emphatically of the opinion that the profit derived from the manufacture of stoves that have been sold in New York has been by no means satisfactory. It is also noted that the distribution of stoves in New York City and vicinity has practically gone from the old-time stove dealer to the department store, the furniture dealer and the installment house, some houses stating without hesitation that 75 per cent. of the names of buyers in New York City on their ledgers are of this class. The salesmen have also begun to remark that there is a scarcity of stove dealers in New York City. Whether the contention is true that New York is the dumping ground for the surplus stove stocks from all sections of the country at whatever price can be secured, or whether the new distributors are more shrewd in their buying than the old time stove dealers, is a problem the solution of which is often discussed.

TRADE OUTLOOK IN WOLVERHAMPTON.

Next month will prove a crucial time. In a few branches the future is well assured, but for the most part houses that start the year with enough employment for their hands and plants are anxiously awaiting the receipt of new contracts to replace those which are running out. The exceptional activity in the wagon-building yards accounts for a considerable output of iron and steel, and this is likely to prove a useful standby throughout the year. The outlook as regards bridgework and other constructional material is also hopeful, though orders have not been placed so freely of late as during the autumn. It is recognized that United States and German competition will have to be reckoned with, but leading makers in this district do not fear for the result if they are allowed to meet their rivals on equal terms.—Ironmonger, January 4.

PIG IRON IN GREAT BRITAIN.

The pig-iron market has been dull during the week, and with the influence of the holidays still abroad, business has been of a comparatively unimportant character. In Glasgow the warrant market has recovered, to some extent, from the collapse which ensued on the announcement of the failure of a London firm, but quotations are still quite 6s. below the level prevailing before the sensational drop referred to. It is considered probable that business in Scotch warrants will show an expansion at the reduction, and that more activity will result in the market. One outcome of the new level of prices will, no doubt, be a check in the exportation of iron from Cleveland to Scotland, the difference in the price of Cleveland and Scotch warrants having been appreciably narrowed. The former have not been much affected by the change North of the Tweed, and remain in the neighborhood of 42s. Hematites are in a rather better position than ordinary pig. In Barrow warrants are down, but makers are still asking 58 to 60s. for mixed numbers. The following is a statement of the stocks of pig iron in public stores :—

Public stores stocks, in tons :	Wednesday.
Connal's at Glasgow	58,400
Connal's at Middlesbrough	139,000
Connal's at Middlesbrough, hematite	300
West Coast hematite	15,000
N.E.R. Stores, Middlesbrough	1,460

Since the beginning of the year the stock of Cleveland iron in store has been increased by over 80,000 tons, while in Scotland and Cumberland there have been reductions of 12,850 and 7,600 tons, respectively.—Iron and Coal Trades' Review, January 3.

NEW YORK METAL MARKET.

TIN.—The cables from London to-day showed a further rise of £1 10s. in tin, and the New York market responded with an advance of about 25 points. Still there was very little business done here and trading in London was light, the upward movement in values there being due apparently to speculative manipulation. It is intimated that the position of the metal abroad is not so stable as might appear on the surface. The Chinese merchants in the East have been buying and piling up stocks; hence the light shipments in December. Much, it is claimed, depends upon what they do with their holdings. If, as is feared, they throw them on the market when they discover the actual condition of the metal trades in Europe and the United States, which has grown out of the copper war, a heavy slump in prices may result. Hence in London, as here, there is little disposition to buy, particularly for future delivery. The New York market closed firm but quiet at 23.35c. bid and 23.50c. asked for spot. January was quoted at 23.25 @ 23.50c.; February at 23 @ 23.30c., and March at 22.75 @ 23.30c. The Singapore quotation was 5s. higher, being £103 c.i.f. London. The Manitou, from London, is here with 150 tons, making the total arrivals since January, 1,970 tons.

COPPER.—The lower prices have not appreciably stimulated consuming demand, business being still on the hand-to-mouth order. The market is unsettled with an easy tone, and while official quotations are 11¼c. for Lake Superior ingot, 11⅛c. for electrolytic and 11c. for casting, it is reported that sales of Lake copper have been made at 11c. The London market continues to decline and closed weak to-day at 2s. 6d. below last night's figures on spot and 5s. lower on futures. Spot was more active there than for several days, the reported transactions aggregating 400 tons.

PIG LEAD.—The only feature of interest in this metal was the further decline of 2s. 6d. in the price of soft Spanish in London. Here the market was dull, with prices somewhat nominal on the basis of 4c. for lots of 50 tons or more. The St. Louis market was quiet at 3.87½ @ 3.90c.

SPELTER.—Trade continues on a rather small scale and the tone of the market is easier, spot and January being now quoted at 4.35c., while February delivery is offered at 4.30c. St. Louis was dull at 4.15c. No further change occurred in London.

REGULUS ANTIMONY.—Prices are unchanged under a moderate demand at 10¼c. for Cookson's, 8¼c. for Hallett's and 7½ to 8c. for other brands.

IRON AND STEEL.—There is little inquiry for pig iron for delivery beyond the next six months, and in fact, not much disposition to buy even nearer futures. Spot iron is wanted, though not so much as previously, but the scarcity of available supplies keeps business within narrow limits. Advices from Philadelphia state that those who really need iron and cannot get deliveries on their contracts with the furnaces buy wherever they can on the best terms obtainable; but even this does not absorb any important tonnage. The lower prices named on steel are diverting attention from bar iron, for which it is being substituted. Sheets are reported to be dull and lower prices, it is thought in some quarters, may result from the continued lack of important demand and sharp outside competition. There is a good business in plates, however, and a considerable demand for structural shapes.

TINPLATE.—The market is still without features of interest, trade being dull and buyers showing a disposition to hold off awaiting developments.

THE SHERWIN-WILLIAMS PAINT AT CLEVELAND.

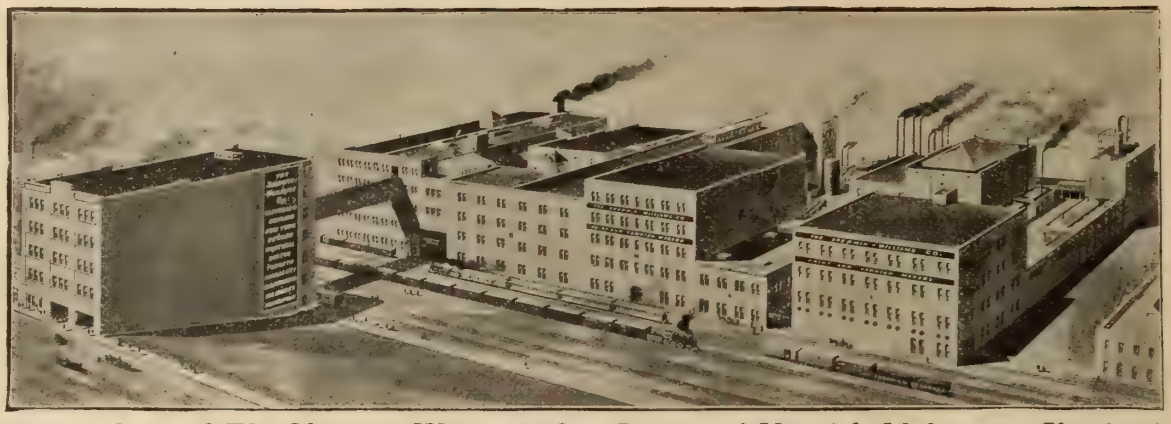
THE growth of The Sherwin-Williams Co., the paint and varnish makers, is an example of business progress that is full of encouragement to all manufacturers who believe in the success of good-quality merchandise.

For some 30 years they have held strictly to the principle of making and selling only the best goods, and in the face of cries for "cheap" paints, and of "cheap" competition they have built one of the largest and most substantial businesses in the world.

From a single one-storey building in 1870 their business has grown to require four large plants in Cleveland, Chicago, Montreal and Newark, with offices and warehouses in 11 cities. They have 95 travelling representatives on the road, covering the entire world.

Within the last five years their sales have trippled, and there seems to be no let up to the splendid growth they are enjoying. The accompanying illustration shows The Sherwin-Williams Plant No. 1, at Cleveland. This illustration is not exaggerated in the slightest; on the contrary, it does not show the box and printing and advertising departments, which occupy separate buildings a short distance from the main plant. When it is considered that this illustration shows but one of four plants, and that the company also controls warehouses and offices of its own in 10 cities outside of Cleveland, one can gather some idea of the extent of The Sherwin-Williams Co.'s business.

Visitors to Cleveland are invited to call and inspect The Sherwin-Williams Co.'s plant and premises.



Plant No. 1 of The Sherwin-Williams Co., Paint and Varnish Makers, at Cleveland.

In addition to this large plant the Company has three others at Chicago, Montreal and Newark, N. J., with warehouses and offices in New York, Boston, Toronto, San Francisco, Kans s City, Los Angeles and Minneapolis.

SOME TYPES OF LETTERS OF INTRODUCTION.

A gentleman who has been in a position to employ large numbers of educated young men in Boston, New York and Philadelphia, says he has become accustomed to three distinct types of the letter of introduction.

In Boston: "Permit me to introduce Mr. Jones, who graduated in highest honors in classics and political economy at Harvard, and later took a degree at Berlin. He speaks and writes French and German, and if you employ him I am sure his learning will make his services extremely valuable to you."

In New York: "The bearer, Mr. Brown, is the young fellow who took hold of Street & Company's Chicago branch when it was so run down, a few years ago, and built it up to a hundred thousand a year. He also made a great hit as Jackson & Company's representative in London. He's a hustler, all right, and you'll make no mistake if you take him on."

In Philadelphia: "Sir: Allow me the honor to introduce Mr. Rittenhouse Penn. His grandfather on his mother's side was a colonel in the Revolution, and on his father's side he is connected with two of the most exclusive families in our city. He is related by marriage with the Philadelphia lady who married Count Taugenichts, and his family has always lived on Spruce street. If you should see fit to employ him, I feel certain that his desirable social connections would render him of great value to you."—Atlantic Monthly.

A PROPOSED NEW BANK.

AT the last session of the Dominion Parliament a charter was obtained for the establishment of a new bank in Canada, to be known as the Sovereign Bank. The scheme is backed up by a number of Canadian capitalists, who are supported by a number of prominent financial men of the United States, including J. P. Morgan & Co., besides a number of others closely connected with The Standard Trust Co., of New York. The authorized capital of this institution is placed at $2,000,000, of which $1,000,000 has already been subscribed. An issue of 20,000 shares, each of a par value of $100, is being floated on the market at a premium of 25 per cent., which will enable the bank to commence business with a reserve fund of $250,000. The headquarters of the bank will be in Toronto; the executive offices in Montreal.

Duncan M. Stewart has been appointed general manager, while the first president is H. S. Holt, President of The Montreal Light, Heat and Power Co. The following are the board of directors: A. A. Allan, Toronto; Archibald Campbell, ex-M.P., Toronto Junction; Randolph Macdonald, contractor, Toronto; Senator Peter McLaren, of Perth; Senator D. McMillan, of Alexandria; John Pugsley, of Pugsley, Dingman & Co., Toronto; Sir Melbourne Tait, acting Chief Justice of the Superior Court, Montreal; Henry R. Wilson, of Wilson & Stephens, bankers, New York City.

All these are well-known men, the general manager, D. M. Stewart, having had many years banking experience both in Canada and the United States. He was connected with the Bank of Commerce for a number of years, afterwards filling the post of inspector for the Royal Bank of Canada, in Montreal. Henry R. Wilson, the New York director, is a prominent banker of that great commercial centre. In addition to him the bank will have there an advisory committee composed of W. M. C. Lane, President of The Standard Trust Co., New York; and Pane D. Cravath, of Guthrie, Cravath & Henderson. This is following the custom of other leading Canadian banks, who all have agencies in New York, as they usually have to keep a portion of their funds invested there.

The foreign bankers and correspondents are: J. P. Morgan & Co., New York; The Standard Trust Co., New York; J. S. Morgan & Co., London, Eng.; and Morgan, Harjes & Co., Paris, France.

The branches of the Sovereign Bank in Toronto and Montreal will be opened immediately. The site of the Toronto offices and the date of opening, it is expected, will be announced in a few days.

The stock of J. C. Chouinard, general merchant, St. Charles, Bellechasse, Que., has been sold at 45 cents on the dollar.

In conjunction with the mill of The Canada Wood Specialty Co., Orillia, Ont., there is being built a new veneer factory, 40 x 86 feet, a very substantial and roomy structure. It is now being fitted up with machinery taken from the old factory, and will be ready for work in about a week.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

A WINDING-UP order has been granted re The Brampton Gas Company, and E. R. C. Clarkson has been appointed interim liquidator.

Neil J. Gillis, general merchant, Glace Bay, N.S., has assigned.

J. N. A. Carriere, general merchant, St. Philippe, Que., has assigned.

J. T. Fradette, general merchant, St. Prime, Que., has assigned to V. E. Paradis.

D. W. McClure, general merchant, Fort William, Ont., has assigned to Charles W. Jarvis.

L. J. Palmer, general merchant, Conway Station, P.E.I., has assigned to Carvell Bros.

L. H. Cormier, general merchant, Mount Carmel, N.B., offers to compromise at 40c. on the dollar, secured.

J. A. Duval, hardware merchant, Montreal, has assigned, and a meeting of his creditors was held on January 16.

PARTNERSHIPS FORMED AND DISSOLVED.

Scott & Gray, builders, MacLeod, N. W. T., have dissolved.

Poisson & Co., blacksmiths, Chartierville, Que., have dissolved.

The Vulcan Iron Works, Maisonneuve, Que., have dissolved and reregistered.

Cunningham & Anderson, electricians, etc., Greenwood, B.C., have dissolved.

Jones & Anderson, general merchants, Wyoming, Ont., have dissolved, Willard Jones continuing.

H. C. Barnaby & Sons, general merchants, Bridgewater, N.S., have admitted H. S. Barnaby as partner.

Hilliard & McKinley, builders and planing mill, London, Ont., have dissolved. Thos. Hilliard continues.

SALES MADE AND PENDING.

Heron & Youngs, general merchants, Embro, Ont., have sold out.

J. E. Pedlow, general merchant, Vienna, Ont., is advertising his business for sale.

James H. Jackson, blacksmith, Keady, Ont., is advertising his business for sale.

S. J. Reynolds, blacksmith, Stroud, Ont., is advertising his business for sale.

The Manitoba Steam Laundry, Brandon, Man., are advertising their business for sale.

The assets of J. L. Aubert, general merchant, St. Eloi, Que., are to be sold on January 17.

B. F. Reid, general merchant, Aylwin, Que., is to have his assets sold by tender on January 17.

The stock of H. Levasseur, general merchant, Fannystelle, Man., was advertised for sale by auction on January 14.

CHANGES.

Myrand & Cie., machinists, Deschambault, Que., have registered.

John Cober, carriagemaker, Ethel, Ont., is removing to Brussels.

E. V. Demers & Co., foundrymen, Maisonneuve, Que., have registered.

The Dominion Subway Co., Limited, Montreal, has obtained a charter.

The T. W. Hand Fireworks Co., Hamilton, Ont., has obtained a charter.

Wise Preparation

for the painting season that will soon be here, means a good stock of

THE SHERWIN-WILLIAMS PAINT

We are planning for the biggest year we have ever known. We believe there will be more painting done this year than ever before, and we mean to get our share of the business. We have prepared for a big season.

If you join with us you can get the lion's share of the trade in your locality. We'll give you the methods and advertising to get it and the paint to hold it after you once get it.

There's money for you in our paint agency proposition. If you want to investigate send for our "B-13 Booklet," free, but full of valuable information for wide-awake paint dealers.



THE SHERWIN-WILLIAMS CO.

PAINT AND VARNISH MAKERS.

CHICAGO, NEW YORK, CLEVELAND, NEWARK, MONTREAL, BOSTON, TORONTO, SAN FRANCISCO, KANSAS CITY.



Capsey & Bockers, general merchants, Frelighsburg, Que., have registered.

The J. H. Ashdown Hardware Co., Limited, Winnipeg, have obtained a charter.

The New Richmond Lumber Co., New Richmond, Que., has applied for a charter.

The Colonial Portland Cement Co., Limited, Wiarton, Ont., has obtained a charter.

MacColl's Electrical Works, electrical supplies, etc., Ottawa, have retired from business.

J. O. Clement has registered for The Addressograph Co., addressing machines, Montreal.

Manson Bros., general merchants, Wolseley, N.W.T., have sold out to J. Curtis & Co.

The New Ontario Builders' and Contractors' Supply Co., Limited, Sault Ste. Marie, Ont., has obtained a charter.

The Moody, Matthew & Sons Co., manufacturers of agricultural implements, Terrebonne, Que., have applied for a charter.

FIRES.

The mill of The Cleveland Sarnia Sawmills Co., Limited, Sarnia, Ont., was slightly damaged by fire.

The premises of Rhodes, Curry & Co., Limited, builders, etc., Amherst, N.S., were damaged by fire; insured.

The stock of Magnan Freres, hardware merchants, Montreal, was partially damaged by fire and water. There was some insurance on the stock.

DEATHS.

R. R. Dobell, of Dobell, Beckett & Co., wholesale lumber merchants, Quebec, Que., is dead.

MINOR CHORDS.

Do not "blow" about your business to customers. They might conclude that you are doing too much.

Do not ask two prices. Your customer might think that the other fellow gets the lowest.

Do not keep a clerk down. Your competitor might lift him up.

Do not fail to keep your engagement with the travelling salesman. His time is money.

Do not expect returns from your first advertisement the same day. It takes time for seeds to take root.

Do not say a word in your advertisement that you will have to "eat." Indigestion is troublesome.

Do not try to be funny in your advertisement. There's a wide divergence of opinion as to what constiutes fun, and the joke may be on you.—The Keystone.

INQUIRIES ABOUT CANADIAN GOODS.

THE following were among the recent inquiries relating to Canadian trade received at the Canadian Government Office in London :

1. Inquiry has been made for the name of a first-class firm of engineers and ironfounders in Canada who would undertake to make a patent grinding machine, and to represent an English house supplying machine tools.

2. An important firm of soap manufacturers wish to enter into communication with a Canadian firm who would be prepared to buy their goods and with whom they would be ready to enter into an exclusive arrangement. They would prefer to correspond with a reliable firm having travellers calling upon druggists and others interested in high-class toilet soaps and perfumery.

3. The same firm would also like to correspond with a Canadian business house in a position to handle household soap.

4. A Rotterdam firm is asking for the names of firms in the Dominion dealing in ores of various kinds.

5. A correspondent in the west of England asks to be furnished with particulars of the export timber trade of the Province of British Columbia with a view to opening up business relations.

Inquiries received at the Canadian section of the Imperial Institute :

6. A manufacturers' agent who is established both in London and Canada seeks a few additional agencies of Canadian manufacturers wishing to develop trade in the United Kingdom; Canadian references furnished.

7. A manufacturer of gelatines, glues, greases, etc., asks to be placed in touch with a first-class Canadian house prepared to handle same.

[**The names and addresses of the firms making the above inquiries can be obtained on application to the Editor of** HARDWARE AND METAL.]

THE CAR SHORTAGE.

THIS fall and winter the shortage of grain cars to carry the stores of grain has been keenly felt by all the towns and shipping points of Manitoba. Excepting at competing points, such as Brandon, Hartney and Portage la Prairie, the crop has not been handled at all satisfactorily. But it is said that the C. P. R. has supplied plenty of cars and motive power at points on the C. P. R. line system in the United States. To protest against this state of affairs the citizens of the town of Griswold, Man., and the surrounding country, held an indignation meeting and resolutions were unanimously passed and copies of these were ordered to be sent to the officials of the C. P. R. and the Dominion Government.

In these the above facts are stated and it is pointed out that cars are now being supplied, contrary to the Railway Act, to Oak Lake, to ship out flour equal to 1,300 barrels a day.

It is said that if cars were supplied there would be an average delivery of 2,000 bushels of grain a day till spring.

Attention is also called to the shortage in coal, one dealer only receiving two carloads since November, although he had contracted for one carload a week to be shipped from the mines.

It is also stated that there has been no grain cars at Griswold elevator since December 14, but every day trains composed of empties are passing west.

A GOOD AIM

In manufacturing **SINGLE GUNS** it is a **GOOD AIM** to make the **GOOD BETTER,** and with that end always in view, to keep everlastingly at it.

It is an Aim which is responsible for the universally recognized excellence of

Iver Johnson Single Guns.



Semi-Hammerless. Trigger Action. Automatic Ejector or Non-Ejector.
12 and 16 Gauge. 30 and 32 Inch Barrel.

Send for Gun Literature.

IVER JOHNSON'S ARMS & CYCLE WORKS,
FITCHBURG, MASS.

New York Office—
99 Chambers Street.

WE ARE THE LARGEST MAKERS OF

COILED SPRING WIRE

in Canada, our output being equal to the combined output of all other Canadian makers. Hence we can promise better service at no higher prices. You are safe in placing your orders with us.

THE FROST WIRE FENCE CO., Limited, - - WELLAND, ONT.

WHAT IS HE SAYING ?



The young man is one of those up-to-date clerks. The lady has come to enquire about **CHURCH'S COLD WATER ALABASTINE** as a result of seeing some newspaper advertising that is being done by **The Alabastine Co., Limited,** Paris, Ont.

These enquiries come early in the Spring, about house-cleaning time, and the dealer who reaps the benefit is the one who has a complete and well-assorted stock. **HOW IS YOURS ?** The Trade supplied by Wholesale Hardware and Paint Dealers. Also by **The Alabastine Co., Limited, Paris, Ont.**

A Good Reputation
A Good Past
A Good Present
A Good Future
Hardware and Metal
Montreal and Toronto
And all over Canada
Once a week
Carries Lots of Advertising
Because
It pays Advertisers

Hardware and Metal
Montreal and Toronto

BUTLER'S

FAMOUS

Sheffield Cutlery.

Fish and Dessert Knives; Spoons and Forks;
Cabinets and Cases of Cutlery and Plate.

"BUTLER" was registered as a Trade Mark, A.D. 1768.

Sole Makers of the celebrated "KEEN" Razors, "CAVENDISH" brand of Table Knives and Carvers.

HIGHEST AWARDS. SPECIAL MENTION.

—Full Line of Samples and stock at—

GEORGE BUTLER & CO.'S

LONDON SHOWROOM: 62 HOLBORN VIADUCT, E.C.
(Over Snow Hill Station.)

MANUFACTORY:
Trinity Works, SHEFFIELD, ENG.

THE BATTY STOVE & HARDWARE CO.

(SUCCESSORS TO THE COPP BROS. CO., TORONTO)

—Wholesale Dealers in—

STOVES, RANGES, FURNACES, REGISTERS, MANTELS, GRATES, TILES, Etc.

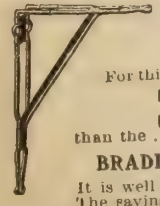
279 QUEEN ST. WEST, TORONTO.

Handling the "NEW HOME RANGE" in 3 sizes, 6 holes, square high shelf, or with reservoir.

The business will be conducted in the future by Mr. W. BATTY, Manager of the old firm.

Specialty made of Stove Hardware.

THE BATTY STOVE & HARDWARE CO.



Will Hold Up a Shelf!

That's what a shelf bracket is for.
For this purpose there can be
NOTHING BETTER
NOTHING CHEAPER
than the . . . .
BRADLEY STEEL SHELF BRACKET
It is well Japanned, Strong and Light. The saving in freight is a good profit, aside from the lower price at which the goods are sold.
☞ Order direct or through your jobber.
ATLAS MFG. CO., New Haven, Conn., U.S.A.

TRADE
NOBLES & HOARE · NH · LONDON ·
MARK

Nobles & Hoare.

CORNWALL ROAD STAMFORD STREET.

LONDON, ENG.

Manufacturers of
HIGH-CLASS VARNISHES ONLY

Which can be obtained direct from the works or from the principal Color Dealers in Canada.

APPLYING FOR INCORPORATION.

A NUMBER of leading capitalists are being incorporated with a capital of $1,000,000 to conduct the old John Abell business in Toronto on a large scale. For nearly 50 years John Abell has been making machinery and shipping it from his fine and well-equipped factory on Queen St., Toronto. The only need for the complete success of this business in the past was the want of money. But now the necessary funds to work the plant are forthcoming.

Within a short time, part of the new organization's issue will be offered to the public. The English method of underwriting stock has been followed. The board of directors is to be an unusually strong one. Among the applicants for the Government charter to the new organization are: Hon. S. C. Wood, vice-president of The Toronto General Trusts Co.; Robert Kilgour, president of The Carter-Crume Co.; Clarkson Jones, president of The Wilkinson Plough Co.; W. R. Brock, president of The Canadian General Electric Co.; H. P. Dwight, vice-president of The Canadian General Electric Co.; W. D. Matthews, director of the Canadian Pacific Railway; Samuel Barker, M.P., Hamilton, and E. L. Goold, manufacturer, Brantford.

At the present time Canadian manufacturers cannot supply the demand coming from Manitoba and the Northwest for portable engines and threshing machinery, so the United States manufacturers are able to ship their goods in against a duty of 25 per cent. They are now supplying three-quarters of the demand for this class of machinery, but, owing to the rapidly-increasing grain-growing area of this country, there is an opportunity open for the development of such a manufacturing industry in Canada.

RECEIPTS FOR REMITTANCES.

Iron Age: The following communication from a hardware house in New Hampshire mentions some objections to the practice of discontinuing sending receipts for remittances, as the matter is seen from our correspondent's standpoint:

"We have noticed articles in The Iron Age on the subject of manufacturers and jobbers not sending receipts for remittances in payment of invoices, looking upon the indorsed check sent as receipt enough. How does that work when payments are made with bank drafts, which, of course, go back to the bank? There is great effort made now to have all payments in that manner, many refusing to take private checks.

"It seems to us that it is very much better to have a receipt. We pay, as is universal now, by sending statement on remittance blank with items, often two or three, and deducting cash discount and any overcharges or shortages. That blank we want back receipted, as we often want to look back for some reason to the statement. If the merchant has no receipt and the cashier's check is in the bank he is badly off.

"We also want to know at the time whether parties have received the remittance and not have to wait to find out until perhaps two months or so afterward, when they send statement with notice of draft or a request for payment. The proposed way would work to the advantage of large manufacturers or jobbers to save expense, but we don't think their customers would like it. We should not."

ELECTRIC RAILWAY BUILDING IN ONTARIO.

TWELVE electric railway companies are applying for charters at the present session of the Ontario Legislature. They project the construction of not less than 1,046 miles of railway to be added to our present system. If all these lines are built there will be a continuous line from Cornwall to Windsor, excepting a short break from Glencoe to Tecumseh, and from London to Owen Sound, skirting the shores of Lake Huron. Many of these lines will open up territory not now conveniently tapped by railways.

The companies applying for incorporation, and the routes and approximate mileage of their lines are shown in the table below:

Ontario Electric Company—	Miles.
Cornwall to Toronto	266
Ottawa to Brockville	55
Total	321
Hamilton Suburban Railway—	
Hamilton to Waterloo	35
Galt to Guelph	15
Hamilton to Guelph	26
Total	76
St. Thomas Street Railway Co.—	
St. Thomas to Port Stanley	8
St. Thomas to Aylmer	11
St. Thomas to London	14
Total	33
Aylmer, St. Thomas & London Electric Railway—	
Aylmer to London, via St. Thomas	25
St. Thomas to Port Stanley	8
Total	33
London Railway Co.—	
London to Glencoe	30
Delaware to Strathroy	8
London to Ingersoll	16
Thamesford to Brantford	40
Brantford to Hamilton	20
Total	114
Sandwich, Windsor & Amherstburg Railway—	
Amherstburg to Harrow	11
Pelette Road to Tecumseh	5
Total	16
Morrisburg Electric Railway—	
Morrisburg to Winchester	16
Branch to Chesterville and Morewood	13
Total	29
Petrolea Rapid Railway Co.—	
Sarnia to Courtright	12
Corunna to Petrolea	15
Petrolea to Dresden	16
Dawn Centre to Florence	8
Florence to Thamesville	6
Branch to Brigden	6
Petrolea, through Enniskillen Tp	5
Total	68
Goderich radial lines—	
Goderich to Dungannon	10
Carlow to Auburn	5
Auburn to Blyth	6
Blyth to Walton	7
Walton to Seaforth	12
Seaforth to Clinton	8
Clinton to Goderich	12
Blyth to Wingham	13
Walton to Brussels	7
Brussels to Wroxeter	10
Bayfield road to Bayfield	9
Bayfield to Parkhill	28
Parkhill to London	24
Dunlop to Kincardine	30
Kincardine to Tiverton	8
Tiverton to Port Elgin	16
Port Elgin to Southampton	5
Southampton to Wiarton	20
Wiarton to Owen Sound	16
Kincardine to Walkerton	24
Total	270
Hamilton Radial Electric Railway Co.—	
Mimico to Toronto	6
Rapid Electric Railway Co.—	
Hamilton to Port Dover	40
Toronto & Hamilton Electric Railway—	
Toronto to Hamilton	40

THE TAX ON MACHINERY.

At a meeting of the Montreal Executive of the Canadian Manufacturers' Association, held on January 9, the machinery tax was taken up, and a committee was appointed to interview the assessors concerning its enforcement in a uniform way. A resolution was passed as follows:

That the various candidates for municipal honors be requested to define their position in the matter of abrogating the machinery tax, which, in the opinion of this association, is detrimental to the interests not only of the manufacturers, but of Montreal as a manufacturing city, inasmuch as it is driving important industries from the city and building up suburban districts at Montreal's expense.

Joseph Adelard Duval, hardware merchant, 1313 St. Catherine street, Montreal, has made an assignment at the instance of Henri La Belle. His principal creditors are The Sherwin-Williams Co., $446; Caverhill, Learmont & Co., $429; Seybold, Son & Co, $223, and Henri La Belle, $228.

WIRE NAILS
TACKS
WIRE

Prompt Shipment.

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

TRADE BETWEEN CANADA AND THE WEST INDIES.

Some Things That Are Being Done to Encourage It.

A CHAT WITH MR. PICKFORD.

I HAD a brief chat with Mr. Charles Pickford, of Pickford & Black, before he left Toronto for Halifax en route to the British West Indies. As the readers of "The Canadian Grocer" are well aware, Mr. Pickford has spent about five months in Western Ontario, with headquarters in Toronto, working up business on British West-Indian account. In reply to an inquiry of mine as to the result of his efforts, he said :

ONTARIO PEOPLE WAKING UP.

"The people of Ontario are waking up to the importance of the West-Indian trade, but the car-shortage has been playing the mischief with us. I have in my mind at the moment one man who is shipping flour to the West Indies by way of New York simply because he cannot get cars to ship it by way of Halifax.

"The people here seem anxious to know what is going on and the possibilities of trade with the West Indies. Some of them, however, tell me that they have got so much business on hand for the home market that they cannot attend to foreign business. One manufacturer to whom I, in the autumn of 1900, gave the names of some West-Indian firms, has begun to work up an extensive business, but he has been compelled to send a good deal by way of New York on account of being unable to get cars enough to ship by way of a Canadian port. This particular shipper has been sending split peas, bran, oats, and flour."

"Do you think the outlook for trade between Western Canada and the West Indies is improving ?"

A SHORTAGE OF CARS.

"Yes ; I am certain it is," declared Mr. Pickford, with some emphasis. "Had it not been for this car-shortage I am sure we would have had a big business out of Ontario during the last few months. There is one thing, however, I fear, and that is that we Canadians are rather slow in reaching out after this West-Indian trade. What I mean is we are

NOT KEEN ENOUGH AFTER NEW BUSINESS.

Many of us are too easily satisfied with home business and not energetic enough in reaching out after foreign trade. I am in hope that the trip of the representatives of The Canadian Manufacturers' Association to the West Indies will be productive of good results. We will arrange to see that they get into touch with good houses in the West Indies."

CLASS OF CANADIAN GOODS WANTED.

"In what lines do you think it is likely we can most expand our export trade with the West Indies ?"

"There is no reason why the boot and shoe men should not walk in there and get a good business. Then there are canned goods, biscuits, ready-made clothing —a good deal of which is now coming from the Old Country. There are also condensed milk, butter, cheese, agricultural implements, carriages, harness. In fact, a market can be found in the West Indies for nearly everything we manufacture. Samples of the agricultural implements used in the West Indies are on exhibit in the Toronto Board of Trade building. They will show Canadian manufacturers what are wanted in that line."

EXPORT TRADE OF WEST INDIES TO CANADA.

"What about the export trade from the West Indies to Canada ?"

"It is growing. Our steamers are bringing more merchandise from the West Indies to Canada than ever before. The Bendict brought 3,000 tons of Demerara sugar and the Oruro 1,000 tons quite recently."

"Your steamers, how often is it they run to the West Indies ?"

"A steamer leaves St. John and Halifax fortnightly for Bermuda, St. Lucia, Barbados, Trinidad and Demerara. Every month a steamer leaves St. John and Halifax for St. Kitt's, Antigua, Montserrat, Dominica, St. Vincent, Grenada, Tobago, Bermuda, St. Lucia, Barbados, Trinidad and Demerara. On the 15th of each month a steamer also leaves Halifax for Kingston, Jamaica, calling at Bermuda and Turk's Island, both going and coming."

AN ENTHUSIAST.

Aside altogether from his position of representative of Pickford & Black, Mr. Charles Pickford is an enthusiast in regard to trade between Canada and the West Indies, and during his stay in Western Ontario preached its advantages and possibilities wherever occasion offered. During the next five or six months he will reside in the West Indies, and he was due to leave for there on the 13th inst. Before leaving Toronto he told me he would be only too glad to try and supply information regarding West-Indian trade matters to anyone seeking it. During his residence in the West Indies his headquarters will be in Barbados, and any communication addressed to him in care of Da Costa & Co., Barbados, will reach him.

OMAR.

JAMAICA SERVICE VIA ST. JOHN, N.B.

A MEETING of the Board of Trade, St. John, N.B., was held on the 10th inst., chiefly to consider West-Indian trade matters.

Mr. Robert Munro, Montreal, President of The Canadian Manufacturers' Association, who leaves for the West Indies on the 27th inst., was present. He was pleased to learn of the proposed Jamaican service and referred at length to the situation in the West Indies. The transportation companies were not solely to blame for the lack of development of this trade. Canadian manufacturers and merchants

MUST SELL THEIR OWN GOODS

in the West-Indian market and not depend upon the transportation companies to sell for them. Something must be done for the West-Indian sugar trade and the Canadian merchants should press for preferential trade under the fiscal arrangements of all British dependencies. Canada was leading the way for this and should suggest that she receive similar treatment on the part of other colonies. He told of the object of his approaching visit to the West Indies and urged that a representative of maritime manufacturers should accompany him. If so, he thought the chance of success of the mission would be considerably increased.

D. W. Marsh, of Toronto, was next called upon to tell the meeting something of the plans of The Canada-Jamaica Steamship Co., for the service between St. John and Jamaica. He said he did not expect to have to address a meeting so soon.

HIS MISSION

was to find out what goods New Brunswick could send to Jamaica and what amount of trade could be worked up. He assured the meeting that the company would do all in its power to develop business between Canada and Jamaica. Though the original plan was to run only between Canada and Jamaica, and this would be carried out—yet, if the trade warranted it, arrangements would be made at Jamaica to connect with other islands.

THE JAMAICAN TRADE

was a most important one and courted development. He paid some attention to the position Jamaica occupies among the other islands. It was the most important of all the British islands. It does ten times as much business as the other islands, is of much greater area than any of them, and the proportion of whites in its population is much larger. He had paid much attention to Western Canada and could say that the feeling there is that a large business could be worked up.

Speaking of the articles Canada could supply to Jamaica, he mentioned that there was a large demand for flour, oats, and potatoes. The flour would come from the west, but the oats and potatoes would be principally supplied by the Maritime Provinces. Jamaica imports annually

600,000 BARRELS OF FLOUR

and of this vast quantity only a few thousands barrels are sent by Canada. The supply is not steady, and consequently there is great opportunity for a profitable trade. The Canadian millers have recently been put in communication with Jamaica, and he expected more Canadian flour would, in the future, find its way there.

Fish, he characterized as one of the largest of Jamaican imports, and he be-

lieved Canadian fish could be delivered at Jamaica very profitably if transported quickly on a steamer making no intermediate stops. The vessels between St. John and Jamaica would have to pass through heated waters, and if the vessel was forced to stop while in these waters the resulting depreciation in value of the cargo would be considerable, as the heat would obtain access to the cargo, and the vessels' ventilating apparatus would be of practically no value, unless she were in motion.

The Canada-Jamaica Steamship Co. would devote much effort to the importation of fruit, including bananas, oranges, cocoanuts, etc., and would make a feature of the ports on the south shore of the islands. This shore embraced a large fruit-growing country, and hitherto the steamship facilities for getting out this fruit were not of the best. If the proper facilities could be found here, the company would bring in some fruit.

CANADIAN GOODS JAMAICA WOULD TAKE.

W. E. L. Marsh, also of Toronto, devoted his attention first to the class of products Jamaica would take from the Dominion, and in this connection mentioned framed boards and lumber, which would find a ready sale there. High-class butter, nicely put up, was also in large demand, but it would require good transportation facilities to develop a trade, as no large stock of butter could be laid in. Owing to the heat, it was necessary to place the butter on the market by every steamer. Cheese of good quality and a superior class of meats would also find a market. The island imported large quantities of condensed milk, most of which was at present furnished by Denmark or Michigan, but he thought a good Canadian article could supplant them. The inward cargo would include bananas, oranges, limes and pineapples, and a good trade should be developed as time goes on.

W. S. Fisher asked what the length of passage would be, how many days would be consumed on the voyage, and what the steamers' facilities would be for perishable products?

THE BOATS.

In reply, D. W. Marsh said the Ask, which would be the first boat, would have a speed of 10 knots, and would make the trip from St. John to Jamaica in 7½ days. The boats were thoroughly equipped for carrying fruit. The Ask could be obtained only until March, when it will be under charter to The United Fruit Co. The fruit company's steamers were used only for carrying bananas from Jamaica to the United States, and took no cargo back to the islands.

The Banta was a new steamer and the conditions under which she was chartered specified that she should have good facilities for carrying perishable articles in good condition. If the dairy product or meat trade develops, a cold-storage equipment will be provided. The facilities needed here include possibly a heated warehouse, and the steamship company relied on the assistance of the St. John merchants to make the business a success. On their part, the steamship company would agree to make the service meet the demands.

W. Frank Hatheway asked what facilities the boats possessed for passenger traffic?

NOT PASSENGER BOATS.

Mr. Marsh replied that the company would not make a feature of passenger service at present. The capacity of the boats was limited to four or six passengers.

E. A. Goodwin asked for information as to the freight rates on oranges, pineapples and other fruits.

Mr. Marsh replied that the company would secure the fruit on the island and lay it down in St. John on the same plan as pursued by other fruit companies. The cost would, of course, depend on the trade. While the steamer had regular ports of call, yet the timetable permitted her to call at any port on the island. The company now has arrangements with the C.P.R. to give through bills of lading to all places on that line, and doubtless similar arrangements could be made with the I.C.R.

Geo. Robertson referred to the manner in which The Elder-Dempster Steamship Co. was developing the fruit trade in Great Britain. He felt there was business in the proposed line, and would be delighted if a profitable trade could be worked up without a subsidy.

Col. Tucker, M.P., assured the company they would have his best efforts for forwarding any scheme for the development of Canadian trade.

Mayor Daniel, in a brief speech, welcomed Messrs. Marsh and Munro to St. John.

Superintendent Osborne, of the C.P.R., referred to the success of the winter-port business as a good criterion from which to judge the outlook for West-Indian trade. It showed St. John merchants had enterprise and they would doubtless provide large cargoes for the new line.

F. L. Potts, J. N. Sutherland, Colonel Tucker, John Sealy and others also spoke on the future of the line.

CANADIAN PAINT IN THE WEST INDIES.

OUR readers will remember that some two months and a half ago we mentioned in The Merchant that Mr. W. S. Fallis, of The Sherwin-Williams Co., paint and varnish makers, had sailed on a voyage of trade discovery to the British West-Indian Islands. Mr. Fallis has, for two years, had charge of The Sherwin-Williams' interests throughout the Maritime Provinces, and his selection as an ambassador of the firm in the colonies to the south, was a fitting tribute to the success which has crowned his efforts since enlisting in the services of the company.

He sailed from Halifax by the Erna, of The Pickford & Black line, on September 23, and calling at Bermuda, St. Lucia, Barbados and Trinidad, arrived in Demerara on October 7. At Demerara he remained three days and was successful in opening accounts with several of the most prominent importers. He found the opportunity for trade by no means discouraging despite the fact that the people have been for centuries handling English paints almost exclusively. Prepared paints have been practically an unknown quantity in all of the West-Indian markets up to the present time, but Mr. Fallis expressed the opinion that the same measures which have been taken by his company to introduce The Sherwin-Williams paints throughout Canada, would eventually secure satisfactory results in the various markets visited. He opened accounts at Demerara, Trinidad, Barbados and St. Lucia and reports the outlook for future business most promising. Trinidad, to his mind, is the market which seems to indicate the greatest possibilities, as the natural resources of the Island are rich and varied. While there, he appointed as agent, T. Geddes Grant, a former Nova Scotian, who is doing all that he can to encourage more trade with Canada. Mr. Fallis expressed himself as surprised that a more general effort has not been made by Canadian manufacturers to capture West-Indian trade. At all the ports visited he saw thousands of packages of freight being landed from New York, the bulk of it similar in character to what is produced in Canada. He found the people very hospitable and disposed to listen to what he had to say, but New York has such a hold that it will require a strong and continuous effort on the part of Canadian exporters to break it. Mr. Fallis named a number of Canadian-manufactured articles which he felt sure could be marketed in the West Indies at a considerable profit. He thinks that, with the present steamship connection from Canada, our people are losing a great opportunity if they do not go out and see what the trade possibilities are. —The Maritime Merchant.

TO VISIT THE WEST INDIES.

A change has been made in the personnel of the representatives of The Canadian Manufacturers' Association, who leave on the 27th inst. for the West Indies. Mr. Robert Munro, the President, will go, as originally intended, but Mr. E. M. Wilcox, Assistant Secretary, having resigned to take a position with The Robert Simpson Co., will have to give place to another, and the choice has fallen on Mr. J. F. N. Stewart. The deputation will visit Bermuda, St. Kitt's, Antigua, Montserrat, Dominica, St. Lucia, Barbados, St. Vincent, Grenada, Tobago, Trinidad, and Demerara, then returning by the Island of Jamaica.

It is reported from Trail, B.C., that The Canadian Smelting Works will immediately set about the construction of a refinery at that place. The plant will have a capacity sufficient to handle the present bullion output of that country, and, although it will be to a certain extent experimental, it will be extended and enlarged as soon as it was shown that sufficient bullion can be secured to insure its commercial success.

At the next session of the Legislative Assembly of Manitoba an application will be made for the passing of an Act incorporating The Winnipeg River Power Co., Limited, with power to develop water powers on or near the Winnipeg river in the Province of Manitoba, to generate electricity therefrom, to carry on the business of furnishing electric and other light and heat, to construct and operate a line or lines of electric railway between a point at or near the city of Winnipeg and the town of West Selkirk, and between Winnipeg and some point or points on the Winnipeg river either via Selkirk or otherwise, or between intermediate points; to construct a line or lines of pipes from the Winnipeg river to or in the city of Winnipeg or such other point or points as may be determined for the purpose of supplying water, to acquire all necessary lands, water powers and privileges, to erect all necessary dams, works and ways, and generally for such other powers as may be necessary or convenient to or for such a company.

John Bowman

HARDWARE & COAL CO.

LONDON, ONT.

SKATES SKATES SKATES

We have a large stock of SKATES to dispose of and will fill all orders promptly at closest prices.

Cutlery Cutlery Cutlery

Special Lines Special Prices

English and German Table and Pocket Cutlery, Cases, Carvers, Razors, Scissors, Pen and Pocket and Table Cutlery in great variety.

Special Prices.

After Stock-Taking

You will be replenishing your stock, so we wish to keep before your notice, "**Dominion**" Goods, all of which bear the following Trade Mark, which is a guarantee of quality:

SHELF GOODS — DOMINION WIRE MANUFACTG. CO. LTD. DOMINION TRADE MARK. — HEAVY GOODS

Wood Screws,
Wire Nails, (Papers),
Bright Wire Goods,
Wire Door Pulls,
Steel and Brass Jack Chain,
"Crescent" Wire Coat and Hat Hooks.

Wire Nails,
Iron and Steel,
Brass and Copper,
Hay Baling,
Pulp Binding,
Galvanized,
Barbed.

WIRE

Bed, Blind, and Poultry Netting. } **STAPLES** { **Bright and Galvanized Fence.**

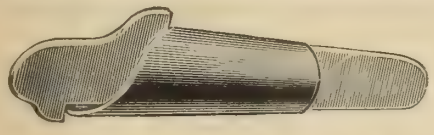
BROOM, MATTRESS, BOTTLING, and other wires.

Dominion Wire Manufacturing Co.

MONTREAL Limited **TORONTO**

ESTABLISHED 1860. INCORPORATED 1895.

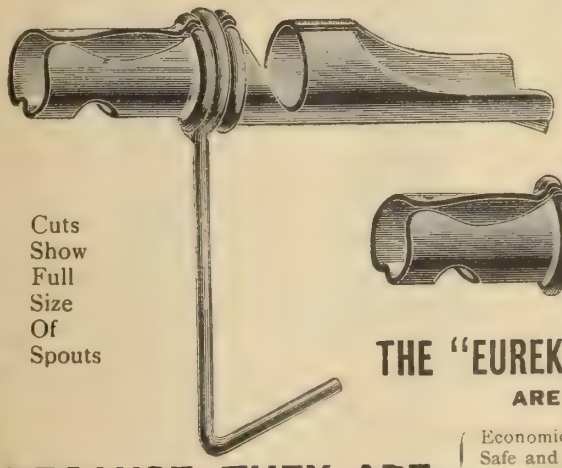
SUGAR MAKERS' SUPPLIES



"IMPERIAL" Steel Sap Spouts

Improved 1902 Pattern, Tapered

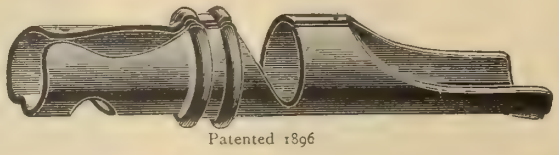
Specially adapted for Covered Sap Buckets.



"EUREKA"

Steel Sap Spouts

Cuts Show Full Size Of Spouts



Patented 1896

THE "EUREKA" STEEL SAP SPOUTS

ARE EVER POPULAR

BECAUSE THEY ARE:
- Economical and Durable.
- Safe and Secure—No Leakage.
- Easily Inserted—Do not injure the tree.
- Secure Full Flow of Sap.

All packed in cardboard boxes, 100 each.

We carry full stock of all lines. Write for prices.
Orders by letter or wire promptly shipped.

MAPLE SYRUP CANS

"LOWER CANADA"

ROUND—With Screw Tops and Strap Handles.

SQUARE—With ScrewTops and Wire Handles.

Plain or Lithographed.

CAPACITY:

1 Qt. Wine Measure.
1 Qt. Imperial Measure.
½ Gall. Wine Measure.
½ Gall. Impl. Measure.
1 Gall. Wine Measure.
1 Gall. Impl. Measure.

Special design made up, if sufficient quantities are wanted.



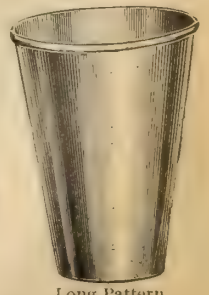
Sap Buckets

Long Pattern

Nos.	7	8	12	16
Quarts	4	6	8	12

Western Pattern

6 and 10 Quarts.



Long Pattern.

THE THOS. DAVIDSON MFG. CO., Limited, MONTREAL, P.Q.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

Montreal, January 17, 1902.

HARDWARE.

TRADE is better this week and more travellers are on the road, working especially on import goods. Buying for spring commences with an encouraging number of orders, and prospects for the coming year are bright. A number of changes are noted this week. The list on Stanley rules has been altered and the new one published gives a discount of 55 per cent. A few prices on Stanley planes have also been changed. Reductions have been made in wire nails, cut nails, fence staples and smooth steel wire.

BARB WIRE — Though the market is rather quiet, quite a number of orders have been booked for spring delivery. We quote $3 per 100 lb. f.o.b. Montreal.

GALVANIZED WIRE — There is only a light movement. We quote as follows: Nos. 6, 7 and 8 gauge, $3.45; No. 9, $2.80; No. 10, $3.55; No. 11, $3.65; No. 12, $2.95, No. 13, $3.05; No. 14, $4.05: No. 15, $4.55; No. 16, $4.80; No. 17, $5.20; No. 18, $5.45.

SMOOTH STEEL WIRE — Business is better this week. There have been changes all round. Bright iron and annealed is on a $2.60 base for 0 to 9 gauge. Extras are as follows: No. 10, 6c. instead of 7c.; No. 11, 12c. instead of 14c.; No. 12, 20c., the same; No. 13, 30c. instead of 35c.; No. 14, 40c. instead of 47c.; No. 15, 55c. instead of 60c.; No. 16, 70c. instead of 75c. We quote per 100 lb. f.o.b. Montreal, Toronto, Hamilton, London, St. John, and Halifax.

FINE WIRE — There is still only a small business doing. The discount has been altered from 17½ per cent. to 22½ per cent.

SPRING WIRE — This is $1.25 extra, in place of $1.

COPPERED AND TINNED WIRE — Coppered, extra, is 60c.; tinned, $2 per 100 lb.

BRASS AND COPPER WIRE — The demand is a small one. On both wires the discount has been changed from 55 and 2½ per cent. to 60 per cent. off.

FENCE STAPLES — A little better movement prevails. We quote per 100-lb. keg, $2.90 for bright, a reduction of 35c., and $3.25 for galvanized, a reduction of 50 cents.

WIRE NAILS — A reduction has taken place of 30c. for small lots and 27½c. for carlots. Under the new prices business has improved considerably. We quote: $2.55 for small lots and $2.50 for carlots f.o.b. Montreal, London, Hamilton, Toronto, Gananoque, Brantford, Windsor, Ont., St. John and Halifax.

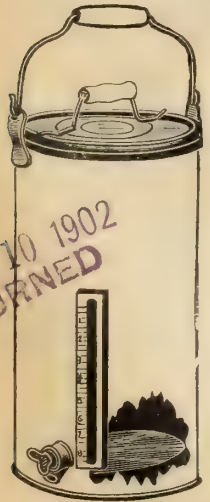
CUT NAILS — Trade is picking up. Reductions are 20c. for small lots and 17½c. for carlots. Discounts on all are now 40 per cent. instead of 25 per cent. and 30 per cent. We quote $2.35 per keg for small lots and $2.27½ for carlots. Flour-barrel nails, 40 per cent. discount; coopers' nails, 40 per cent. discount.

HORSE NAILS — There is not much demand. "C" brand is 50 and 7½ per cent. off and "M" brand at 60 per cent. off on oval and new city heads, and 66 2-3 per cent. off new countersunk heads.

HORSESHOES — The market continues inactive. We quote as follows: Iron shoes, light and medium pattern, No. 2 and larger, $3.50; No. 1 and smaller, $3.75; snow shoes, No. 2 and larger, $3.75; No. 1 and smaller, $4; X L steel shoes, all sizes, 1 to 5, No. 2 and larger, $3.60; No. 1 and smaller, $3.85; feather-weight, all sizes, $4.85; toe weight, steel shoes, all sizes, $5.95 f.o.b. Montreal; f.o.b. Hamilton, London and Guelph, 10c. extra.

SCREWS — There is a light demand. Prices are the same. The discounts are as follows: Flat head bright, 87½ and 10 per cent. off list; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.

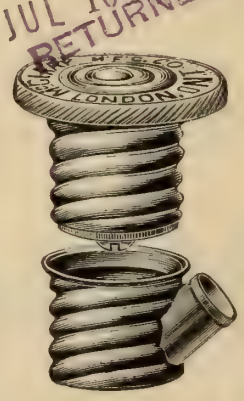
CREAMERY Cans and Trimmings

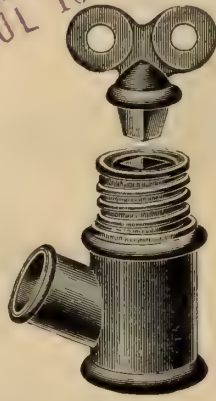




CREAMERY CANS.

With Locking Attachment Cover. | With Slip Cover.





CREAMERY TAPS.

Steel Retinned Tap. | Loose Key Metal Tap.



"FAMOUS" MICA GAUGE.

As we carry a complete stock at all times of the above lines prompt shipment can always be made.

A heavy stock of Sheet Tin of all sizes, gauges and quality always on hand.

The McClary Manufacturing Co.,

LONDON, TORONTO, MONTREAL, WINNIPEG, VANCOUVER, AND ST. JOHN, N.B.

"Everything for the Tinshop."

THE PAGE-HERSEY IRON & TUBE CO.

Limited

MONTREAL

Manufacturers of

Wrought Iron Pipe

For Water, Gas, Steam, Oil, Ammonia and Machinery.

DRAIN PIPES, PORTLAND CEMENTS, FIRE BRICKS AND CLAY SILICA AND MAGNESIA BRICKS,

with specially prepared mortar.

Contractors' and Founders' Supplies.

F. HYDE & CO.

31 WELLINGTON ST., MONTREAL

. . FULL STOCK . .

Salt Glazed Vitrified

SEWER PIPE

Double Strength Culvert Pipe a Specialty.

THE CANADIAN SEWER PIPE CO.

HAMILTON, ONT. TORONTO, ONT.
ST. JOHNS, QUE.

Deseronto Iron Co.

LIMITED

DESERONTO, ONT.

Manufacturers of

Charcoal Pig Iron

BRAND "DESERONTO."

Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

BOLTS — There is a fair movement at unchanged prices. These are: Norway carriage bolts, 60 and 5 per cent.; common, 55 and 5 per cent.; full square carriage bolts, 60 and 5 per cent.; machine bolts, 55 and 5 per cent.; coach screws, 70 per cent.; sleigh shoe bolts, 70 per cent.; blank bolts, 60 per cent.; bolt ends, 60 per cent.; plough bolts, 55 and 5 per cent.; tire bolts, 67½ per cent.; stove bolts, 67½ per cent. To any retailer an extra discount of 5 per cent. is allowed. Nuts, square, 3¾c. per lb. off list; hexagon nuts, 4c. per lb. off list. To all retailers an extra discount of ¼c. per lb. is allowed.

BUILDING PAPER — The demand for building paper is slightly better, but the movement is still small. We quote: Tarred felt, $1.70 per 100 lb.; 2-ply, ready roofing, 85c. per roll; 3-ply, $1.10 per roll; carpet felt, $2.25 per 100 lb.; dry sheathing, 35c. per roll; tar sheathing, 45c. per roll; dry fibre, 55c. per roll; tarred fibre, 65c. per roll; O.K. and I.X.L., 70c. per roll; heavy straw sheathing, $30 per ton; slaters' felt, 60c. per roll.

CORDAGE — The demand, though small, shows some improvement. Manila has advanced to 16c., ½c. higher than last week. Prices on all lines of cordage are quite firm. Our quotations are as follows: Manila, 16c.; British Manila at 13½c.; sisal, 12c. and lathyarn at 10½c. Manitoba prices are: Manila, 16c.; British Manila, 14½c.; sisal, 13c. and lathyarn, 12c.

RIVETS AND BURRS — The demand is very light. No changes have occurred. The discounts are as follows: Best iron rivets, section, carriage, and wagon box, black rivets, tinned do., coopers' rivets and tinned swedes rivets, 60 and 10 per cent.; swedes iron burrs are quoted at 55 per cent. off; copper rivets, 35 and 5 per cent. off, and coppered iron rivets and burrs, in 5-lb. carton boxes, are quoted at 60 and 10 per cent. off list.

SCREEN WIRE CLOTH — There is a better trade doing this week. Prices are steady at $1.25 per 100 square feet.

POULTRY NETTING — Orders for spring delivery are coming in satisfactorily, and trade is in a healthier condition. Canadian or English is quoted at a discount of 60 per cent. off 2 x 2 mesh, 19 wire, and 55 per cent. off 2 x 2 mesh heavier, Canadian list.

HARVEST TOOLS — In harvest tools there is a fair movement—a considerable improvement over last week. The discount remains at 70 per cent.

FIREBRICKS — There is a moderate demand. We quote as follows: Scotch at $19 to $23.50 and English at $18.50 to $22.50 per 1,000.

CEMENT — There is only a small demand. We quote: German cement, $2.30 to $2.40; English, $2.25 to $2.35; Belgian, $1.70 to $1.95 per bbl. ex-wharf, and American, $2.20 to $2.30 ex-cars.

METALS.

There has been little improvement in the metal market since our last report. Trade is quiet. Prices on iron pipe show a firm tendency.

PIG IRON — The demand is small and prices are unchanged. We quote: Summerlee, $21 to $21.50; Canadian, $18.50 to $19.

BAR IRON — The movement is still light. Merchants' bar is quoted at $1.87½ in carlots and $1.95 in small lots. Horseshoe iron sells for $2.15 and $2.20.

A. C. LESLIE & CO.

Merchants Bank Building,

MONTREAL.

HEADQUARTERS FOR

IRON, STEEL, and METALS.



IRON AND BRASS

Pumps

Force, Lift and Cistern Hand and Power.

For all duties. We can supply your wants with—quality the best and prices right. Catalogues and full information for a request.

THE R. McDOUGALL CO., Limited

Manufacturers, Galt, Canada.

ADAM HOPE & CO.

Hamilton, Ont.

We offer for prompt shipment

Pig Tin,
L. & F. and STRAITS.
Ingot Copper, O.C.
Pig Lead.
Spelter.
Antimony.

NOVA SCOTIA STEEL CO.

Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

Open Hearth Steel

Your Spring stock will be up to date if selected from the following lines:

ELASTILITE VARNISH,

Granitine Floor Finish
Maple Leaf Coach Enamels
Maple Leaf Varnish Stain
Imperial Buggy Paint
Imperial Varnish Stain
Imperial Gold and Silver Enamels
Imperial Household and Bath Enamels
Aluminum Paint
Flat Black Lacquer
Bronzing Liquids
Lemon Polishing Oil, Etc.

— ALSO —

Shellacs, Japans and General Varnishes in all grades.

A good reason why you should buy our goods is because we lead all others in neat and attractive packages, advertising signs, etc. And, above all, our goods make and hold customers for you.

Write for 1902 descriptive catalogue and price lists.

The Imperial Varnish & Color Co. LIMITED

TORONTO, ONT., CANADA

You can buy lots of paint that will cost you less money, and you can sell it to those who do not know—once. Just once will you sell it. Then you wonder why your paint trade is not so brisk as it was a year ago. And lucky you are if there is not a decline in other branches of your business. You cannot build up business on poor goods.

"Ark Brand" Paint

is not a cheap paint, and every can is guaranteed to be good. It will not sap your business, but build it up.

Send for our Booklet: "Paint, and How to Use It."

THE FRANCIS-FROST CO. Limited

TORONTO.

Canadian Distributing Agents for Grippin's Crack Filler.

BLACK SHEETS - There is but little doing. Retail stocks have been pretty well sorted up, and this demand has fallen off. We quote as follows : 28 gauge, $2.65 ; 26 gauge, $2.60 ; 20 to 24 gauge, $2.50, and 8 to 20 gauge, $2.50.

GALVANIZED IRON — Trade remains very quiet. We quote as follows : No. 28, Queen's Head, $4.40 ; Apollo, 10¾ oz., $4.40 ; Comet, $4.25 with 10c. extra in less than case lots.

INGOT COPPER — The market is not active. The price is 14½c.

INGOT TIN — The price of Straits remains at 27c. The demand is light.

PIG LEAD — The demand keeps up and a fair movement is reported. We quote $3.15 to $3.20.

LEAD PIPE - A change has been made in the discount, it now being 35 per cent. instead of 30 per cent. on ordinary composition and waste. We quote 7½c. for composition waste and 7c. for ordinary.

IRON PIPE — No changes have been made in prices, but they are, if anything, still firmer. The demand is good. Our quotations are as follows : Black pipe, ¼, $3.00 per 100 feet ; ⅜, $2.95 ; ½, $3.10 ; ¾, $3.45 ; 1-inch, $5 ; 1¼, $7.10 ; 1½, $8.50 ; 2-inch, $11.35. Galvanized, ¼ $4.40 ; ⅜, $5 ; 1-inch, $7.15 ; 1¼, $10 ; 1½ $12 ; 2-inch, $15.95.

TINPLATES — Trade is quiet. Cokes are worth $3 75 to $4 and charcoal, $4.25 to $4.50.

CANADA PLATE — There is not much doing. We quote : 52's, $2.65 to $2.70 ; 60's, $2.75 to $2.80 ; 75's, $2.80 to $2.85 ; full polished, $3.75, and galvanized, $4.25 to $4.35.

STEEL — There is only a moderate business doing. Prices are firm. We quote: Sleigh shoe, $2.05 ; tire, $2.15 ; bar, $2 ; spring, $2.85 ; machinery, $2.85, and toe-calk, $2.60.

SHEET STEEL — There is not much doing. We quote as follows : Nos. 10 to 20, $2.50 ; 3-16, $2.50 ; ¼, 5-16 and ⅜, $2.40.

TOOL STEEL — Trade is a little better. We quote : Black Diamond, 8c.; Jessop's, 13c.

TERNE PLATES — There is not much business being done this week. Prices are $7.75 to $8.

COIL CHAIN — There is only a light movement. We quote as follows : No. 6, 12½c.; No. 5, 10½c.; No. 4, 10c.; No. 3, 9½c.; ¼-in., 7½c. per lb.; 5-16, $4.80 ; 5-16 exact, $5.25 ; ⅜, $4.25 ; 7-16, $4.05 ; ½, $3.85 ; 9-16, $3.75 ; ⅝, $3.55 ; ¾, $3.50 ; ⅞, $3.45 ; 1-in., $3.45. In carload lots an allowance of 10c. is made.

SHEET ZINC — Trade is dull. Prices remain at $5.75 to $6.25.

ANTIMONY — There is little doing. We still quote 10c.

ZINC SPELTER — The price is 5c. with little doing.

SOLDER - Trade is moderate. We quote : Bar solder at 18c.; wire solder, 20 cents.

PAINTS AND OILS.

The brisk business which sprang up a week or so ago is still keeping up. White lead is selling well under the new prices. The feeling in turpentine is becoming stronger and advances are expected. We quote :

WHITE LEAD—Best brands, Government standard, $5.87½ ; No. 1, $5.50 ; No. 2 $5.12½ ; No. 3, $4.75 ; No. 4, $4.37½ all f.o.b. Montreal. Terms, 3 per cent. cash or four months.

DRY WHITE LEAD—$5.25 in casks ; kegs, $5.50.

DRY WHITE ZINC — Pure dry, 6¼c. ; No. 1, 5¼c. ; in oil, pure, 7¼c. ; No. 1, 6¼c. ; No. 2, 5¼c.

PUTTY — We quote : Bulk, in bbls., $1.90 per 100 lb. ; bulk, in less quantity, $2.05 ; bladders, in bbls., $2.25 ; bladders, in 100 or 200 lb. kegs or boxes, $2.40 ; in tins, $2.55 to $2.65 ; in less than 100-lb. lots, $3 f.o.b. Montreal, Ottawa, Toronto, Hamilton, London and Guelph. Maritime Provinces, 10c. higher, f.o.b. St. John and Halifax.

ORANGE MINERAL—Casks, 7c. ; 100 lb. kegs, 7½c. ; smaller quantities, 8¼c.

RED LEAD — Genuine red lead in casks, $4.50 ; in 100-lb. kegs, $4.75 ; less quantities, $5.75 per 100 lb. No. 1 red lead, casks, $4.25 ; kegs, $4.50, and smaller quantities, $5.50.

LITHARGE—Ground, casks, 5c. ; less, 5½c. ; flake litharge, casks, $5.25 ; smalls, $5.75 per 100 lb.

LINSEED OIL—Raw, 75c.; boiled, 78c. in 5 to 9 bbls., 1c. less, 10 to 20 bbl. lots open, net cash, plus 2c. for four months. Delivered anywhere in Ontario between Montreal and Oshawa at 2c. per gal. advance and freight allowed.

TURPENTINE — Single bbls., 60c.; 2 to 4 bbls., 59c.; 5 bbls. and over, open terms.

SHELLAC VARNISH — Pure white, $2.35 to $2.45 ; orange, $2.25 to $2.35.

MIXED PAINTS—$1.20 to $1.45 per gal.

CASTOR OIL—8¾ to 9¼c. in wholesale lots, and ½c. additional for small lots.
SEAL OIL—47½ to 49c.
COD OIL—32½ to 35c.
PARIS GREEN — Petroleum barrels, 16¾c. per lb.; arsenic kegs, 17c.; 50 and 100-lb. drums, 17½c.; 25-lb. drums, 18c.; 1-lb. packages, 18½c.; ½ lb. packages, 20½c.; 1-lb. tins, 19½c.; ½-lb. tins, 21½c. f.o.b. Montreal. Terms: 3 per cent. 30 days, or four months from date of delivery.

GLASS.

Though the market is not very active, quite a few orders have been booked for spring delivery. Prices remain firm. We quote as follows: First break, 50 feet, $2.10; second, $2.20 for 50 feet; first break, 100 feet, $4; second break, $4.20; third break, $4.70, and fourth break, $4.95.

SCRAP METALS.

A fairly good movement prevails. Prices remain steady, as follows: Heavy copper and wire, 13½ to 14c. per lb.; light copper, 12 to 12½c.; heavy brass, 12 to 12½c.; heavy yellow, 9½c.; light brass, 6½c.; lead, 2⅝ to 2¾c. per lb.; zinc, 2 to 2¼c.; iron, No. 1, wrought, $10 light brass, 6½c.; lead, 2½ to 2¾c. per lb.; zinc, 2 to 2¼c.; iron, No. 1, wrought, $10 to $15 per gross ton f.o.b. Montreal; stove plate, $8 to $9; machinery scrap, $14; light iron, No. 2, $5 a ton; malleable and steel, $4; rags, country, 60 to 70c. per 100 lb.; old rubbers, 7 to 7¼c. per lb.

HIDES.

We quote: No. 1 hides, 7½c.; No. 2, 6½c.; No. 3, 5½c. Sheepskins, 60c.

MARKET NOTES.

Spring wire is now $1.25 extra, an advance of 5c.

The discount on fine wire has been changed to 22½ per cent.

Smooth steel wire, both bright iron and annealed, is now on a $2.60 basis.

Fence staples are 35c. lower per keg for bright, and 50c. lower for galvanized.

Brass and copper wire are discounted at 60 per cent. instead of 55 and 2½ per cent. off.

Wire nails have been reduced 30c. for small lots and 27½c. for carlots. Cut nails, 20c. for small lots and 17½c. for carlots.

ONTARIO MARKETS.

Toronto, January 17, 1902.

HARDWARE.

THE feature of the hardware trade this week is the reduction in the price of a number of staple lines. These lines are in wire, wire nails, cut nails, pressed spikes, lead pipe, shot and staples. Trade, generally, is fairly good. The demand principally is on future account, some orders being taken even for such autumn goods as stovepipes, elbows, etc. The sorting-up trade for skates and hockey sticks is good. A few horseshoes and horse nails are going out. Some business on future account is still being done in barb and plain galvanized wire, poultry netting, harvest tools, green wire cloth and screen doors and windows.

BARB WIRE.—A fair business is being done on importation account at steady and unchanged prices. We quote, f.o.b. Cleveland, $2.77½ for less than carlots, and $2.65 for carlots. From stock Toronto, $3.

GALVANIZED WIRE.—Some business is also being done in this line on importation account. We quote: Nos. 6, 7 and 8, $3.50 to $3.85 per 100 lb., according to quantity; No. 9, $2.85 to $3.15; No. 10, $3.60 to $3.95; No. 11, $3.70 to $4.10; No. 12, $3 to $3.30; No. 13, $3.10 to $3.40; No. 14, $4.10 to $4.50; No. 15, $4.60 to $5.50; No. 16, $4.85 to $5.35. Nos. 6 to 9 base f.o.b. Cleveland are quoted at $2.52½ in less than carlots and 12c. less for carlots of 15 tons.

SMOOTH STEEL WIRE.—There has been quite a change. The base price has been fixed at $2.60 per 100 lb., and oiled and annealed is no longer sold at net figures. Oiling, 10c.; coppering, 60c., and tinning $2 per 100 lb. extra. A few orders are being placed for oiled and annealed for future delivery. Delivery points, Toronto, Hamilton, London and Montreal, with freights equalized on those points.

WIRE NAILS.—The base price is 30c. per keg lower on less than carlots and 25c. lower on carlots. We quote $2.55 for less than carlots, and $2.50 for carlots. Delivery points, Toronto, Hamilton, London, Gananoque and Montreal.

CUT NAILS.—These are 20c. lower on less than carlots and 17½c. lower on carlots. We quote base price $2.35 per keg with 7½c. allowance on carlots.

HORSE NAILS.—A fair demand is reported this week. Discounts are: "C" brand, oval head, 50 and 7½ per cent., and on "M" and other brands, 50, 10 and 5 per cent. Countersunk head 60 per cent. All the manufacturers are now understood to be selling off the same list.

HORSESHOES.—There are a few going out. We quote f.o.b. Toronto, as follows: Iron shoes, No. 2 and larger, light, medium and heavy, $3.60; snow shoes, $3.85; light steel shoes, $3.70; featherweight (all sizes), $4.95; iron shoes, No. 1 and smaller, light, medium and heavy (all sizes), $3.85; snow shoes, $4; light steel shoes, $3.95; featherweight (all sizes), $4.95.

SCREWS.—A fair trade is still being done. The discounts are: Flat head bright, 87½ and 10 per cent.; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.; round head bronze, 65 per cent., and flat head bronze 70 per cent.

RIVETS AND BURRS.—The demand continues good. We quote: Iron rivets, 60 and 10 per cent.; iron burrs, 55 per cent.; copper rivets and burrs, 25 and 5 per cent.

BOLTS AND NUTS.—Trade is still active. We quote: Carriage bolts, common ($1 list), 55 and 5 per cent.; carriage bolts, full square ($2.40 list), 60 and 5 per cent.; carriage bolts, Norway iron ($3 list), 60 and 5 per cent.; machine bolts, all sizes, 55 and 5 per cent.; coach screws, 70 per cent.

ROPE.—There is only a moderate trade being done. We quote: Pure manila, 16c.; British manila, 13½c.; sisal, 12c.

CUTLERY.—Only a moderate sorting-up trade can be reported.

SPORTING GOODS.—Quiet a few hockey sticks and skates are still going out, but trade, generally, in sporting goods, is quiet.

DAIRY SUPPLIES.—The movement in tinned iron and milk can trimmings has continued brisk during the week. Discount on milk can trimmings, 25 per cent.

CEMENT.—Owing to the cold weather no orders of any extent are expected till the spring commences to open up. Prices are steady. We now quote as follows:



Canadian Portland, Rathbun's "Star," $2.25 to $2.65; "Beaver," $2.10 to $2.50; "Ensign," $1.90 to $2.30; German, $3.15; English, $3; Belgian, $2.50 to $2.75; Canadian hydraulic, $1.25 to $1.50 per bbl.

FENCE STAPLES.—These are lower in price, now being quoted at $2.90 for bright, and $3.25 for galvanized.

POULTRY NETTING.—An occasional order for future delivery is being received. We quote as follows: 2-inch mesh, 19 w.g., discount 60 per cent.; 2-inch mesh, 18 w.g. and heavier, 50 and 10 per cent.

METALS.

The metal trade for this time of the year continues fairly good.

PIG IRON—The tone of the pig iron market is still firm. According to advices from Pittsburg the United States Steel Corporation has this week purchased 100,000 tons of Bessemer iron. Locally, trade is fair. We quote $17.50 to $18 on track Toronto.

BAR IRON—The demand continues good. Base price $1.95 to $2 05. Extras cut to length while rolling: 2 ft. and over, 10c. per 100 lb.; 1 ft. and under 2 ft., 15c.; under 1 ft., 20c.; over 20 ft. by special agreement, according to length and size.

STEEL — Prices are being well maintained, but the demand is moderate. We quote as follows: Merchantable cast steel, 9 to 15c. per lb.; drill steel, 8 to 10c. per lb.; "BC" and "Black Diamond" tool steel, 10 to 11c.; Jessop's, Morton's and Firth's tool steel, 14c.; toe-calk steel, $2.85 to $3; tire steel, $2.30 to $2.50; sleighshoe steel, $2.10 to $2.25; reeled machinery steel, $3, hoop steel, $3.10.

BLACK SHEETS—The demand during the past week has been good. We quote:

Common, $3.15 for 28 gauge; and dead flat, $2.50 for 26 gauge.

CANADA PLATES—The demand has fallen off during the week, although a fair business is still being done for this time of the year, We quote: All dull, $3.00; half polished, $3.10; all bright, $3.75.

GALVANIZED SHEETS — Some import orders are being placed for Spring delivery, and business generally is good. We quote as follows: "Queen's Head" brand at $4.50 in case lots, and $4 65 in less quantities.

TIN—The outside markets are still somewhat irregular, but their tone is rather better. New York is rather firmer, while London is slightly lower. Locally we still quote $29 to $30. The demand is fair for small quantities.

TINPLATES — The demand on spring delivery account is good, and a few small orders from stock are reported. We still quote I C coke plates at $4.25.

TINNED SHEETS — Quite a few small orders from stock are being taken care of this week. We quote: 72 x 30, up to 24 gauge, 7½c.; ditto, up to 26 gauge, 8c.

TERNE PLATES—Trade is quiet. We still quote: I C, 20 x 28 gauge, at $8.50.

COPPER — An active business is being done this week in ingot copper at lower prices, namely, $15 per 100 lb. There is still a good trade being done in sheet copper at $23 to $25 per 100 lb.

BRASS—A fair business is being done this week. Discount is 10 per cent. on rod and sheet.

SOLDER — The demand is good with prices lower. We quote: Half-and-half, guaranteed, 19c.; do. commercial, 18½c.; refined, 18c.; wiping, 17½c.

LEAD—The demand is good. London was 2s. 6d. higher on Monday. We quote: $3.50 to $3.75 for pig lead and $5 for bar.

IRON PIPE — Business keeps moderate. We quote: Black pipe, $5.40 for 1-inch.

LEAD PIPE—Prices are lower, the discount being 35 per cent. instead of 30 per cent.

Antimony—A fair business is being done at 10 to 11c. per lb.

SPELTER—Trade is quiet. We quote $5.50 to $6 per 100 lb.

ZINC SHEET — Trade is quiet at $6 to $6 25.

PAINTS AND OILS.

Owing to the reduction in white lead, it has been quite active, a number of orders being booked for future delivery. Linseed oil is unsetted, the lower quotations of the English product being the cause. Turpentine has been advanced 2c. per gal. There is no other change. We quote:

WHITE LEAD—Ex Toronto, pure white lead, $5.87½; No. 1, $5.50; No. 2. $5.12½; No. 3, $4.75; No. 4, $4.37½ in pkgs. of 25 lb. and upwards; ½c. per lb. extra will be charged for 12½ lb. pkgs.; genuine dry white lead in casks, $5.12½.

RED LEAD—Genuine, in casks of 560 lb. $5.12½; ditto, in kegs of 100 lb., $5.50; No. 1, in casks of 560 lb., $4; ditto, kegs of 100 lb., $4.50.

LITHARGE—Genuine, 6 to 6½c.

ORANGE MINERAL—Genuine, 7½ to 8c.

WHITE ZINC—Genuine, French V.M., in casks, $6 to $6.25; Lehigh, in casks, $6.

BENZINE—In barrel lots, 16½c. per gal.; less quantities, 25c. per gal.

PARIS WHITE—90c. to $1 per 100 lb.

WHITING — 65c. per 100 lb.; Gilders' whiting, 80c.

GUM SHELLAC — In cases, 35c.; in less than cases, 40c. per lb.

LIQUID SHELLAC—Pure orange, in bbls., $2.25 to $2.35; white, $2.35 to $2.45 per gal.; in less quantities, 10c. extra.

PUTTY —Bladders, in bbls., $2.25; bladders, in 100 lb. kegs, $2.40; bulk in bbls., $1.90; bulk, less than bbls. and up to 100 lb., $2.05; bladders, bulk or tins, less than 100 lb., $2.90.

PLASTER PARIS—New Brunswick, $1.90 per bbl.

PUMICE STONE — Powdered, $2.50 per cwt. in bbls., and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in bbls.

LIQUID PAINTS—Pure, $1.20 to $1.30 per gal.

CASTOR OIL — English, in cases, 9½ to 10c. per lb. and 10 to 10½c. for single tins.

LINSEED OIL—Raw, 1 to 4 barrels, 77c.; boiled, 80c.; 5 to 9 barrels, raw, 76c.; boiled, 79c., delivered. To Toronto, Hamilton and London, 2c. less.

TURPENTINE—Single barrels, 61c.; 2 to 4 barrels, 60c., delivered. Toronto, Hamilton and London 1c. less. For less quantities than barrels, 5c. per gallon extra will be added, and for 5-gallon packages, 50c., and 10-gallon packages, 80c. will be charged.

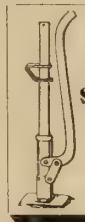
GLASS.

Trade in glass continues slow, the retail business having greatly falling off. We quote as follows: Under 26 in., $4.25; 26 to 40 in., $4.65; 41 to 50 in., $5.10; 51 to 60 in., $5.35; 61 to 70 in., $5.75; 71 to 80, $6.25; 81 to 85, $7; 86 to 90, $7.75; Toronto, Hamilton and London. Terms, 4 months, or 3 per cent. 30 days.

OLD MATERIAL.

The prices are more stable, no change this week being noticed. Trade is quiet but steady. We quote as follows: Agricultural, 60c. per cwt.; machinery cast, 60c.; heavy copper, 11c. per lb.; stove cast, 40c.; No. 1 wrought, 50c. per 100 lb.; new light scrap copper, 9c.

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.
'WELLINGTON' KNIFE POLISH
JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
Wellington Mills, London, England.
Agent:
JOHN FORMAN, 644 Craig Street
MONTREAL


COVERT MFG. CO.
West Troy, N.Y.
Steel Carriage and Wagon Jacks,
Harness Snaps, Chain, Rope and Web Goods, etc.
FOR SALE BY JOBBERS AT MFRS. PRICES.

PRIEST'S CLIPPERS
BALL BEARINGS
Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., U.S.A.

NEWMAN'S PATENT
INVINCIBLE FLOOR SPRINGS
Combine all the qualities desirable in a Door Closer. They work silently and effectually, and never get out of order. In use in many of the public buildings throughout Great Britain and the Colonies.
MADE SOLELY BY
W. NEWMAN & SONS, Birmingham.

Oneida Community Goods
HALTERS, COW TIES, SNAPS, etc., etc.,
in all sizes and styles. May be had of all jobbers throughout Canada.
Factory—NIAGARA FALLS, ONT.

MACKENZIE BROS.
HARDWARE
MANUFACTURERS' AGENTS,
Travellers covering Manitoba, Northwest Territories and British Columbia.
WINNIPEG MAN.
CORRESPONDENCE SOLICITED.

"PULLMAN"
TROUSER or SKIRT HANGERS.
TWO SIZES

PULLMAN SASH BALANCE CO.,
ROCHESTER, N.Y., U.S.A.

per lb.; bottoms, 8c.; coil wire, 12c.; light brass, 6c.; heavy yellow brass 8c.; heavy red brass, 9½c.; scrap lead, 2¼c.; zinc, 2c.; scrap rubber, 6c.; good country mixed rags, 50 to 60c.; clean dry bones, 40 to 45c. per 100 lb.

HIDES, SKINS AND WOOL.

There is a quiet movement with steady prices. We quote prices paid by buyers on arrival:

HIDES—We quote: No. 1, green, 7½c.; No. 2 green, 6½c.; No. 1 green, steers, 8c.; No. 2 green, steers, 7c.; cured, 7¾ to 8¼c.

SKINS—We quote: No. 1 calfskins, 9c.; and No. 2, 7c.; deacons (dairies) 55 to 60c. each; sheepskins, 65 to 75c.; deerskins, 12½ to 14c. per lb.

WOOL—We quote: Fleece, 13c., and unwashed, 7 to 8c. per lb.

SEEDS.

The red clover market is fairly steady. Alsike is very dull owing to the absence of export orders making it difficult to quote prices, and jobbers are not inclined to pay above $6 to $7.50 f.o.b. at outside points. Timothy is 25c. per bush. higher. The following figures are what dealers are paying at outside points. We quote: Red clover, $5 to $5.40; alsike, $6.50 to $8.50, and timothy, $2.50 to $3 25 per bush.

PETROLEUM.

There is a good trade doing with unchanged prices. We quote as follows: Pratt's Astral, 16½ to 17c. in bulk (barrels, extra); American water white, 17 to 17½c. in barrels; Photogene, 16½ to 17c.; Sarnia water white, 16 to 16½c. in barrels; Sarnia prime white, 14½ to 15c. in barrels.

COAL.

Soft coal and coke still continue scarce, as are also nut and hard coal. The situation is not much different than formerly. We quote at international bridges: Grate, $4.75 per gross ton; egg, stove and nut, $5 per gross ton; soft coal, $2.50 to $3.25 in bond, according to grade.

MARKET NOTES.

Fence staples are quoted lower.

The discount on shot is 22½ per cent.

Wire nails are 30c., and cut nails 20c. lower.

In turpentine there is an advance of 2c. per gallon.

Discount on lead pipe has been increased to 35 per cent.

HARDWARE FIRM INCORPORATED.

At the office of the Secretary of State of Canada, the J. H. Ashdown Hardware Co., Limited, of Winnipeg, has applied for and obtained incorporation as a joint stock company, with a total capital of $1,000,000 divided into 10,000 shares of $100 each.

ARCADE BRAND

FILES AND RASPS



Have all the superior merits of the best Hand-Cut Files.

WARRANTED

FAST CUTTING AND SUPERIOR TEMPER.

Arcade Files have been manufactured for over fifty years and have stood the test of time.

Manufactured by

NICHOLSON FILE CO.,

(Dominion Works) PORT HOPE, ONT.

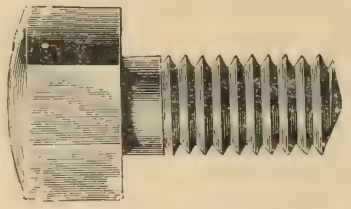
Walter Grose

Selling Agent,

MONTREAL.

For Sale by—

Canada Hardware Co., Montreal.
Kerr & Robertson, St. John, N.B.
W. B. Arthur & Co., Halifax, N.S.
Nelson Hardware Co., Nelson, B.C.
Codere, Sons & Co., Sherbrooke, P.Q.



THE JOHN MORROW MACHINE SCREW COMPANY, Limited

Manufacturers of

Set and Cap Screws, Special Milled Work, Engine Studs, Etc. Cold Punched Nuts of every variety of finish.

INGERSOLL, ONT.



GLASS—

Art Leaded Glass.
Plate and Window Glass
Prismatic Glass.

All Glass required for building

Catalogue and Prices on Application.

THE WOOD ART GLASS CO., London, Ont.

INDUSTRIAL GOSSIP.

Those having any items of news suitable for this column will confer a favor by forwarding them to this office addressed to the Editor.

Already the new foundry of K. C. Beach & Co., at Winchester, Ont., has been made ready for business. Much larger than the old establishment, the facilities for turning out most modern work with greater promptness have been increased, and a nickle plant has been installed. This is a new and important addition to their plant. It is operated by an expert.

It is expected that the blooming mill of The Dominion Iron and Steel Company, at Sydney, C.B., will be ready between the first and 15th of February, when the manufacture of steel will be commenced. Only steel ingots can be cast at present, three castings having so far been made at the open hearth, all of which have turned out very satisfactory.

The total value of the output of all the manufacturing establishments of Amherst, N.S., for 1901, was $2,380,000. Over $155,200 was paid out in wages in the different factories of the town, during the same period.

In connection with the I.C.R. a new coal hoist will be built at Sydney, C.B., as soon as the round house, which is now under construction, is completed. A two-storey building, 50 by 70 feet, is what the plans call for. The foundation work will require over 2,000 yards of concrete for its completion. The new hoist is of a United States patent. The coal will be dropped into a receptacle underneath the track from the cars. From there it will be carried up to the second floor by a conveying belt, and stored. The ashes from the engines will be loaded on a car on the opposite side of the building in a similar manner.

Thomas Lougheed, Shallow Lake, Ont., has purchased the hardware business of Irwin Rusk, Southampton, Ont., who intends going South for his health.

A fire in the hardware store of Magnan Freres, St. Catherine street, Montreal, on January 8, did $1,000 damage. This is covered by insurance.

MANITOBA MARKETS.

WINNIPEG, January 13, 1902.

THE usual calm and absence of news pervades hardware circles. Business is very fair, and prices are firm with a tendency to advance. There has been an advance in manila in the east, but we have not as yet put it into force here. Paints and oils are practically the same. Travellers are booking a good many orders for spring delivery, but at the present time little is being done. The cutter trade has been very seriously reduced owing to the general absence of snow, and agents are now trying hard to clear up remaining stocks, and considerable inducements are being offered to that end. Already orders are being booked for the buggy and wagon trade of the spring, which promises to be a large one.

Barbed wire, 100 lb	$3 30
Plain twist	3 40
Staples	3 95
Oiled annealed wire, 10	3 95
" 11	4 00
" 12	4 05
" 13	4 20
" 14	4 35
" 15	4 45
Wire nails, 30 to 60 dy, keg	3 55
" 16 and 20	3 65
" 10	3 65
" 8	3 75
" 6	3 80
" 4	3 95
" 3	4 20
Cut nails, 30 to 60 dy.	3 25
" 20 to 40	3 30
" 10 to 16	3 35
" 8	3 40
" 6	3 45
" 4	3 55
" 3	3 90
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to No 1	4 65
No. 2 and larger	4 40
Snow shoes, No. 0 to No. 1	4 90
No. 2 and larger	4 40
Steel, No. 0 to No. 1	4 95
No. 2 and larger	4 70
Bar iron, $2.70 basis.	
Swedish iron, $5.00 basis.	
Sleigh shoe steel	3 25
Spring steel	3 25
Machinery steel	3 75
Tool steel, Black Diamond, 100 lb	8 50
Jessop	13 00
Sheet iron, black, 10 to 20 gauge, 100 lb.	3 50
20 to 26 gauge	3 75
28 gauge	4 00
Galvanized American, 16 gauge	2 79
18 to 22 gauge	4 75
24 gauge	5 00
26 gauge	5 25
28 gauge	5 50
Genuine Russian, lb	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 75
26 gauge	8 00
28 gauge	8 50
Tinplate, IC charcoal, 20 x 28, box	11 00
" IX "	13 00
" IXX "	15 00
Ingot tin	33
Canada plate, 18 x 21 and 18 x 24	3 75
Sheet zinc, cask lots, 100 lb	7 00
Broken lots	7 50
Pig lead, 100 lb	6 00
Wrought pipe, black up to 2 inch	50 and 10 p.c.
" Over 2 inch	50 p.c.
Rope, sisal, 7-16 and larger	$13 00
" ⅜	13 50
" ¼ and 5-16	13 75
Manila, 7-16 and larger	16 00
" ⅜	16 50
" ¼ and 5-16	17 00
Solder	20
Cotton Rope, all sizes, lb	17
Axes, chopping	$ 7 50 to 12 00
" double bitts	12 00 to 18 00
Screws, flat head, iron, bright	87½
Round " "	82½
Flat " brass	80
Round " "	75
Coach	57½ p.c.
Bolts, carriage	50 p.c.
Machine	50 p.c.
Tire	60 p.c.
Sleigh shoe	65 p.c.
Plough	40 p.c.
Rivets, iron	50 p.c.
Copper, No. 8	35
Spades and shovels	40 p.c.
Harvest tools	70 p.c.
Axe handles, turned, s. g. hickory, doz.	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 75
No. 1	1 25
Files common	70, and 10 p.c.
Diamond	60
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	30 p.c.
" military	15 p.c.
American R.F.	30 p.c.
C.F. pistol	5 p.c.
C.F. military	10 p.c. advance.
Loaded shells:	
Eley's soft, 12 gauge black	16 50
chilled, 12 gauge	18 00
soft, 10 gauge	21 00
chilled, 10 gauge	23 00
Shot, Ordinary, per 100 lb	6 25
Chilled	6 75
Powder, F.F., keg	4 75
F.F.G.	5 00
Tinware, pressed, retinned	75 and 2½ p.c.
" " plain	70 and 15 p.c.
Graniteware, according to quality	50 p.c.

PETROLEUM.

Water white American	25½c.
Prime white American	24c.
Water white Canadian	22c.
Prime white Canadian	21½c.

PAINTS, OILS AND GLASS.

Turpentine, pure, in barrels	$ 62
Less than barrel lots	67
Linseed oil, raw	84
Boiled	87
Lubricating oils, Eldorado castor	27½
Eldorado engine	26½
Atlantic red	29½
Renown engine	41
Black oil	19½
Cylinder oil (according to grade)	55 to 74
Harness oil	65
Neatsfoot oil	$ 1 00
Steam refined oil	85
Sperm oil	2 00
Castor oil, per lb.	11½
Glass, single glass, first break, 16 to 25 united inches	2 50
26 to 40, per 50 ft.	2 75
41 to 50, " 100 ft.	6 00
51 to 60, " " "	6 50
61 to 70, per 100-ft. boxes	7 00
Putty, in bladders, barrel lots, per lb.	2½
kegs "	2¾
White lead, pure, per cwt.	6 50
No. 1 "	6 00
Prepared paints, pure liquid colors, according to shade and color, per gal.	$1.30 to $1.90

NOTES.

Mr. Cowan, an extensive owner of lumber mills and timber limits at Prince Albert, was in the city last week on his way east to participate in a family reunion. Mr. Cowan reports an immense lumber trade in their section last season and excellent prospects for the coming spring. Their cut will be about 4,000,000 feet.

The Western Lumbermen's Association are expected to meet during the bonspiel. The implement men will also meet at that time.

Mr. Hiram Miller, of the firm of Miller, Morse & Co., has returned from an extended eastern trip.

R. BAILEY & SON

MANUFACTURERS OF

STOVE LININGS for Ranges and Ovens.

All kinds of Fire Brick and Fire Clay Work, Paving Tile, etc.

Wholesale Only. - - Write for particulars.

1220 Yonge Street, TORONTO.

ONTARIO SILVER CO.,

Limited,

NIAGARA FALLS, CANADA.

Manufacturers of **FLATWARE, CUTLERY and ELECTRO PLATE.**

Ask for our Catalogue and Quotations.

THE OSHAWA WIRE FENCE CO., LIMITED

OSHAWA, ONT.

Manufacturers of Woven Wire Fencing, Gates, Etc.

Also Dealers in Galvanized Fence Wire.

Agents Wanted.

Send for Catalogue and Prices.

TO THE TRADE:

We quote the following prices for Incandescent Gas supplies:

	EACH.
Beacon Post Burners,	18c.
No. 18, Incandescent Post Burners,	15c.
Beacon Gallery Burners,	17c.
No. 18, Incandescent Gallery Burners,	14c.
"Gloria" Triple-weave Mantles,	15c.
"United" Single-weave "	11c.
	PER DOZ.
Gasoline Mantles, highest grade,	$3.00
Combination Chimneys,	1.10
Lighthouse "	1.10
Best Lead Chimneys, small,	90c.
Bulb Globes, all styles,	90c.
No. 74, Porcelain Crimp Shades,	90c.
10-inch Porcelain Dome Shades,	2.40
Crown Canopies,	1.50
3 leg "	70c.
Torches,	1.25
Wax Tapers, per dozen boxes,	60c.

Hoping to be favored with your orders.

Yours truly,

The United Incandescent Light Co.,

7 Yonge St. Arcade, - TORONTO.

Phone Main 969.

MANUFACTURERS' ASSOCIATION.

AT a meeting of the executive of the Canadian Manufacturers' Association in Toronto on January 16, how the tide of emigration from Great Britain may be diverted to Canada formed the chief topic of consideration. Jas. P. Murray in an address in which he mentioned the fact that out of people leaving Great Britain last year, only 19,000 came to Canada, 15,000 went to Australia, 27,000 to South Africa, and over 100,000 to the United States, moved a resolution asking the various boards of trade of Canada to join the Association in sending representatives to Great Britain to invite the various trade boards there to cooperate in diverting the tide of immigration to this country. He touched upon the various advantages offered by each Province in support of this, and suggested that to finance that deputation, each Province through its representative board of trade might grant a contribution, and that the Dominion Government might also contribute something towards it.

Before any action should be taken it would be necessary to obtain an expression of opinion from the members of the Association. On the report of the exhibition committee, a letter will be sent to the city council saying that the Association is not in favor of an all Canadian exhibition for 1902, and think that it is not possible to take that matter up before 1903.

The executive committee do not think that the Government will deal with the Patent Act this year, so some changes were suggested that might be made without taking up the question of the entire Act. They state that they are in favor that on certain articles the words "Copyrighted in Canada" should be used instead of the present lengthy notification; that special arrangements be made to protect all labels, etc., with slight cost, and a special effort be made to catch up with arrears of work in Patent Office by the appointment of special examiners.

To urge upon the Government the adoption of the suggestion of the Association regarding the appointment of Canadian agents abroad, the chairman of the commercial intelligence committee and the secretary will go to Ottawa next week.

They received the resolution of the Halifax Board of Trade regarding the handing over of the I.C.R. to the C.P.R. The railway and transportation committee will deal with this matter.

The secretary was asked to send a letter to Sir Wilfrid Laurier asking him to invite the Hon. Edmund Barton, the Premier of Australia, and Hon. R. J. Seddon, Premier of New Zealand, to pay a visit to Canada when they are returning home from the coronation ceremonies.

TALK WITH A MEDICINE HAT HARDWAREMAN.

THIS week HARDWARE AND METAL had the pleasure of interviewing W. B. Marshall, a hardware merchant and prominent citizen of Medicine Hat, in the Canadian Northwest, who is in Toronto on business. Our reporter found him at the Iroquois Hotel conversing with a number of friends who had called on him. Mr. Marshall appears to be endued with unlimited confidence in the future of the great Northwest.

Prospects are bright for Medicine Hat," he affirmed. "We only want more settlers, and then our fine climate, which is never excessively cold (it was 70 above when I left there three weeks ago) is bound to attract. Our ranching facilities are such that immense herds of cattle and sheep can be left out to graze all winter. Numbers of settlers came in from across the line last summer, and this season prospects are very bright for a greater influx from the United States.

"Another inducement is the quite recent discovery we have made," he continued, "and that is that the town of Medicine Hat is located in the midst of a large area rich in natural gas. This we obtained at 225 pounds pressure after we had reached a depth of 213 feet, when we were utilizing it for our new waterworks system, which we succeeded in installing last summer and fall."

"You think that your town will be the centre of numerous manufactures in consequence, I suppose?"

"Several inquiries have already been made by several glass manufacturers who may locate there, as they make use of much gas in glass making. But nothing definite has yet been decided upon," he added.

"You have other mineral deposits out there besides gas?"

"Coal is found very close to our town, which can be mined and sold for less than $3 per ton," he replied. "It is of a soft variety, and exists near the surface, seams of it cropping out along the banks of the Saskatchewan river. I know of no other minerals," he said, "that are found in our neighborhood, but, as we are only 160 miles from the Rockies, doubtless they can be found.

"Just now there is an agitation on foot to make Medicine Hat the capital of the Territories, instead of Regina. That, I believe, will shortly come to pass," he concluded.

The Francis-Frost Co., Limited, Toronto, are issuing this week a very handsome catalogue.

CATALOGUES, BOOKLETS, ETC.

One of the neatest and most unique greetings for the New Year sent out by a business firm was that of The Francis Frost Co., Limited, of 223 Queen Street east, Toronto. It was printed on imitation parchment, and in one corner impressed in imitation sealing wax was the trade mark of the firm in gold.

PERSONAL MENTION.

S. H. Stevenson, who has been superintendent in the works of the Guelph Iron and Steel Co., has severed his connection with that firm and accepted a situation in Macdonnell & Co.'s works, Toronto.

The Francis-Frost Co., Limited, Toronto, are making wonderful strides in placing their celebrated "Ark Brand" Paint. For some time the Toronto house supplied Ontario and the West. Last fall it was found necessary to establish a warehouse at Vancouver. Since then the Western demand has increased so rapidly that in order to cope with the trade they have been compelled to open a warehouse in Winnipeg.

WANTED.

WANTED TO PURCHASE—Foundry Cupola and Equipment; second-hand preferred. P.O. Box 660, Winnipeg. (4)

FOR SALE.

GOOD HARDWARE AND TINWARE BUSINESS and premises in small town, splendid farming locality. No opposition. Excellent opportunity for two live men. Too much work for owner. Apply, Box 76, HARDWARE AND METAL, Toronto. (5)

FOR SALE.

STOCK OF HARDWARE IN A HEALTHY, growing town in one of the best farming sections of Nova Scotia. Every facility for doing a good and increasing business. Apply HARDWARE AND METAL, Box 74. (4)

WANTED.

BY A WINNIPEG WHOLESALE HARDware firm, two first-class Hardware Clerks. Must have a thorough knowledge of hardware in all departments. Address applications, stating age, experience, references, married or single, etc., Drawer 1473, Winnipeg. (1-tf.)

BREWERS' ENGINEERING BUSINESS.

ON SALE as a going concern, including plant and very valuable patent rights. Apply H. BOOCOCK, Solicitor, Halifax, Eng. (4)

JONES BROS.

Stove Brick Manufacturers, Fire Clay and Asbestos, Furnace Cement, all kinds of Fire Clay Products made to order from patterns

BRACONDALE P.O., ONT. (near Toronto.

"THE EMLYN" SAW BENCH

Made in 6 sizes. Best value obtainable. Specially designed for export. With or without "Emlyn" Patent Guard. Sole makers—

CHARLES D. PHILLIPS,

Cables—Machinery," Newport. Emlyn Engineering Works, NEWPORT, MON., ENGLAND.

HEATING AND PLUMBING

BUILDING IN TORONTO.

SINCE last Wednesday, January 8, the following permits have been issued from the Toronto city commissioner's office: To W. Scanlon, for brick cellars under four houses on 46 to 52 West Lodge avenue, to cost $1,100; to The Standard Chemical Co., for a one-storey woodshed, covered with galvanized non-corrosive iron, for storing charcoal, at the foot of Spadina avenue, in the G.T.R. yard, to cost $300; to Thomas McIlwain, for a two-storey and attic detached brick dwelling on Springhurst avenue, to cost $3 500; to Alice Brown, for a pair of semi-detached, two-storey and attic brick and stone dwellings on Albany avenue, to cost $4,500; to Thos. Farley, for a brick cellar and brick front to dwelling on 350 Wellesley street, to cost $150; to the Macpherson trustees, for a two-storey and attic brick and stone dwelling on Cluny avenue, to cost $6,000; to The T. Eaton Co., Limited, for a four-storey brick outside stairway near Terauley street, to cost $400; to Mrs. C. Chilliman, for a two-storey roughcast dwelling on Dufferin street, to cost $400; to W. Wilson, for a concrete cellar under store at 113 Bay street, to cost $60; to Douglas K. Ridout, for a two-storey and attic brick residence on Crescent Road, to cost $5,000; to The Toronto City Corporation, for a two-storey brick office and bank building at the cattle market in Stanley Park, Wellington avenue, to cost $10,000.

BUILDING OUTLOOK IN ST. JOHN, N.B.

In St. John, N.B., prospects are bright for a successful building year. Already there are being put under way the rearing of three large structures. The first of these is a large warehouse for Emerson & Fisher, on Canterbury street, besides a new factory for D. F. Brown & Co. T. S. Simons & Co. are having a big factory and warehouse built on Union street, while a new roundhouse for the I. C. R. will also be erected.

PLUMBING INSPECTOR IN OTTAWA.

The Ottawa Plumbers, Steam and Gasfitters' Union are being assisted by two union men of the Ottawa City Council in their endeavors to have a plumbing inspector appointed for that city. They say that such an official is needed there because of a good deal of defective plumbing which is done by unskilled workmen who are not capable of doing properly the work given them to do. It is claimed that an inspector would find plenty of work in examining all jobs, and thus protect the public against unsanitary plumbing.

PLUMBING AND HEATING NOTES.

The partnership of H. Brown, of Brockville, Ont., and James F. Reid, of Smith's Falls, Ont., who conducted a plumbing business at Smith's Falls, has been dissolved. James F. Reid will continue.

Bishop & Gilsby, plumbers, etc., Greenwood, B.C., have dissolved.

SOME BUILDING NOTES.

John Baxter, Brownsville, Ont., is busy preparing for the erection of his new house.

Tenders are being advertised for for the erection of a new Roman Catholic church at Lanark, Ont.

Work on Haslan, Irons & Co.'s new foundry on Market Place, Carleton, N.B., has been commenced.

Chas. Miller, Ottay Lake, North Burgess, Ont., is drawing brick for a new residence which he is going to build next summer.

The Liverpool, London and Globe Insurance Co. is contemplating the erection of an eight-storey office building at the corner of St. James street and Place D'Armes, Montreal.

Laurie & Colby have been awarded the contract for the erection of a club house at Victoria, B. C., for the Victoria West Athletic Club, and are commencing work immediately.

Thos. Hy. Matthew & Son, builders, Victoria, B.C., are reported to be making arrangements with an Old Country syndicate for the erection of 50 good-sized houses in various parts of that city.

OFFICERS OF THE TORONTO ASSOCIATION.

Several new members were admitted into the Master Plumbers' Association of Toronto, held in Pythian Hall, but the chief event of the evening was the election of officers for the year 1902, which resulted as follows:

President.—R. Ross.
First Vice-President.—Geo. Clapperton.
Second " —Jas. Sherlock.
Secretary.—Chas. Doughty.
Treasurer.—H. Hogarth.
Sergeant-at-Arms.—Geo. Cooper.

At the next meeting of the Association which will be held on January 27, these officers will be installed.

BUSY KINGSTON PLUMBERS.

Kingston plumbers and steamfitters are finding so much work to do that they are advertising for plumbers and tinsmiths. This is an unprecedented thing, as it is usual for them to discharge most of their hands this time of the year. But a wave of prosperity is extending over that city which promises to roll money into the pockets of its tradesmen.

A $7,500 CREMATORY FOR OTTAWA.

Street Commissioner Jones, of Toronto, accompanied City Engineer Ker, of Ottawa, on a visit to several cities in regard to crematory plants. Now a $7,500 crematory is being planned for Ottawa. Work on the remodelling of Toronto's crematories is also going on, they having been found far too small for the work they have to perform.

STRIKE IN A FOUNDRY.

There is a big strike in Moncton, N.B., about 40 moulders and apprentices employed in the Record Foundry and Machine Works going on strike on January 10. This was owing to the manager refusing to recognize the Moulders' Union when its representatives called on him to ask an increase of pay. Subsequently, it is claimed, some half a dozen members of this union were discharged, so the members thereof walked out. It is understood that by the new scale of wages demanded piece-workers would get an increase of 20 per cent. and time hands a minimum of $2.50 per day, instead of the $10 to $12 per week now paid.

FALL LIST ON AXES.

The following is the fall, 1902, price list of the Dundas Axe Works. These prices will go into effect in July:

Seconds	$ 5.00
Royal Wood Chopper	5 50
Western Gatineau, Hickory Whacker	6 00
Empire, Western pattern	6.50
Empire, wedge or half-wedge	6.50
Pine Tree, round head	6.50
Dundas Champion	6.50
Peerless, round head	7.00
Keen Cutter, bevelled	7.00
All Steel, full polish	7.50
Dundas Leader	7.75
Flint Edge, hand-made	7.75
Crown Jewel	8.00
Perfect Phantom, Bevelled	8.25
Perfect Jewel	9.00
Scoring	9.50
Canadian, up to 4 lb.	7.00
Joiners	7.50
Framing	9 00
Peerless, double bits	10.00
Dumb Champion, double bits	10.00
Crown Jewel, double bits	11.00
Handling, extra, No. 2 handles	1.50
Handling, extra, No. 1 handles	2.00

A HIGH PAINT BUSINESS.



Don't stay on the lower step of the paint business. Take a higher position. Watch the rapid upward march of this business—there's money in it for you. Look out for the paint that pays—cheap paints are out of it—the cry is more and more for good paint—the best paint.

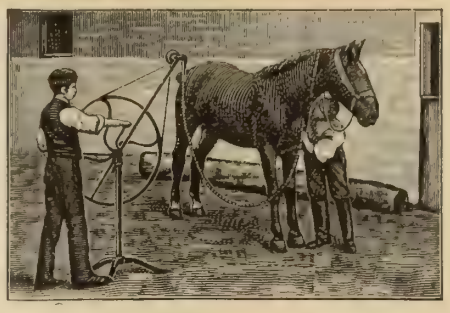
RAMSAYS PAINTS

are the best in the line of paint making; sold at a price that will yield a profit to you—advertised intelligently, honestly, in a helpful way. They will help you if you will take hold—help you to get a paint business and keep it. That's what we all do business for, isn't it? Write us, or give our travellers a little hearing.

A. RAMSAY & SON
MONTREAL
The Paint Makers.
Established 1842.

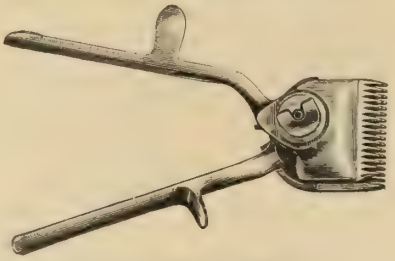
BURMAN & SONS' CELEBRATED CLIPPERS

Established 1871. **BIRMINGHAM, ENG.** for Horsemen and Barbers.



NO. 3—POWER CLIPPER, with "Wrist Joint."

As supplied to { The Czar of Russia. The King of Denmark. Earl Roberts, Etc., Etc.



THE "LEOPOLD" TOILET.

NO. 297.



THE "WARWICK" CLIPPER.
Cuts over three teeth.
As supplied to His Majesty's War Department.

SEND FOR PRICE LIST AND TERMS.

To be obtained from all the principal Jobbers throughout the Dominion.

BUSINESS NEWS

of any kind that is of value to business men supplied by our Bureau. We can give you market quotations from any town in Canada, reports from the city markets, stock quotations, etc. You can get commercial news from any Canadian paper through us.

Write us, giving us particulars of what you want and where you want it from, and we will quote you prices by return.

"Clippings from any Canadian paper on any subject."

CANADIAN PRESS CLIPPING BUREAU,

232 McGill Street, MONTREAL, QUE. Telephone Main 1255.
10 Front St. East, Toronto. Telephone 2701



Established 1832. Cable Address, "BLISS."

MANUFACTURERS

Wood Turnings, Hand Bench and other Screws Mallets, Handles, Vises Clamps, Tool Chests Croquet, Lithographs Wood Toys, Novelties

and also the celebrated

Wood's Patent Car Gate

For Street and Steam Railroad Cars.

The R. BLISS MFG. CO.
Pawtucket, R.I., U.S.A.

Canadian Representative: ALEXANDER GIBB, 13 St. John St., MONTREAL.

75 YEARS. *ESTABLISHED 1825.* *75 YEARS.*



You may be looking for a Good

Pipe Hanger.

Ask us about the

"Grabler."

We send you booklet illustrating the different kinds.

The James Morrison Brass Mfg. Co. Limited.
TORONTO.

CELEBRATED **HEINISCH** SHEARS.

Tailors' Shears,
Trimmers, Scissors,
Tinners' Snips, etc.



ACKNOWLEDGED THE BEST.

R. HEINISCH'S SONS CO. NEW YORK OFFICE, 90 Chambers St. NEWARK, N.J., U.S.A.

Not connected with any Shear Combination.

WHAT TO DO IN JANUARY.

THE first month of all the 12 to follow—the month of new resolutions—the month of changes and that one which decides for us the result of the inventory as to whether we have made a dollar in the business or see staring us in the face the fact that we have lost many of them.

After closing inventory books, after the dividend, if any, and after closing every possible account on the old books, it is a good time to get ready for

THAT NEW SET OF BOOKS AND COLLECTIONS.

No time is quite so good as the first of the year to start the clerical department entirely new, as to material to be used. There are many good reasons for it. In the first place everyone expects to pay his debts, if he pays at all, at that time. It is more convenient for him—as a rule he has more money, and he well knows it is expected of everybody.

This season should lessen by almost hundreds the number of accounts to go into your transfer to a new and clean ledger, and a little printed paster slip put on your statement, to the effect that you are changing, will aid greatly in the collection of them. Something like this, which the writer has used to good advantage :

The new year is at hand, we expect to open an entire new set of books ; will you very kindly help us in this by favoring us with amount of above account ?

Many people who would not ordinarily respond, knowing and appreciating the attending labor, will make it a point to see the account paid.

Now, as to your books. If possible at all have them made to suit your wants, particularly ledger and cash book. Many bookkeepers and many proprietors prefer special ruling of ledger, and it costs no more than to buy made-up or shelf goods.

In a special column cash book—that is, one in which the columns are ruled for freight, drayage, interest and discount, merchandise, expenses, etc.—a great saving in time is made and endless waste of pages in the new ledger are avoided. The matter of simplifying and shortening is a great item where many accounts are carried.

JANUARY THE TIME FOR CHANGES.

There are frequent changes in firms at this season, but the minor changes in store room and arrangement are more particularly referred to. You have, perhaps, more time at your command during the first two weeks of this month for such work than at any other season of the year. It is neither pleasant to the eye nor profitable to keep the same arrangement of your store running from year to year. The appearance of the store must be the loadstone to attract, and customers tire greatly of an everlasting sameness, and are very liable to make the assertion that you are drifting into what is termed old fogyism.

It costs so little to change the arrangement, the placing and filling of showcases and to add new ones where and when needed, and practically just as little for fresh paint and bright, attractive shelving. The addition of a wall-case occasionally adds wonderfully to the appearance of a room. Let every effort that is made in this line tend toward the showing of more goods and making the silent salesman. A line of goods, such as hammers and hatchets, or saws, will sell themselves when exhibited in a case, while on the other hand customers will not ask for them under any cirsumstances unless their errand be directly for that article.

A NEW SET OF RULES

for employes, if your old ones do not meet your views or have not been observed as they should be, or perhaps you have gone along without any.

Men do not object to sets of rules in a store unless they be extremely arbitrary ones—on the contrary, they prefer working under a system that tells them when and where and what to do without the continual asking, and beyond what their own intuition would dictate.

In the case of but two or three employes it may be thought not worth the trouble, but the writer assures you that few or many sensible right lines laid down for their direction are appreciated by the men themselves and the results are greater and much better than where none at all exist.

A little system is a help to the green man and a law to the older one, saving proprietor, too, many moments of anxious worry during the day.

HOW ABOUT ADVERTISING ?

Has yours been a success during the past year ? Have you bought space and handled it as you would the buying of goods you put on your shelves Do you get more out of locals than you do out of display, or have you watched the results of either ?

Are you using good cuts or putting up the same old ones you have had for years ? Do you make frequent changes, and do you confine yourself as nearly as possible to one line of goods in advertising, or jumble many together ? In the latter case, of course, the real object of your work is lost sight of and much of it goes for naught.

We should ask ourselves fairly and honestly these questions and look the matter of our advertising squarely in the face. More money is thrown in the fire through poor advertising and little attention to it than any of us can estimate.

Do you advertise at all ? Many hardware merchants do not. If not, get at it and see the difference in your business. You will wonder where all the barnacles came from that will drop away as you sail along with increased trade.

MONEY IN NEW LINES OF GOODS,

and there is money in them. January is a good time to decide what they are to be. It's very much like your old shelving and your showcases that are never changed as to arrangements and contents ; people get tired of seeing them, and in these hustling days are looking for new lines. You will have had continual calls for some one class of goods you do not carry—perhaps house paints, box paints or brushes—all profitable goods, perhaps more so than you imagine. It takes but little capital to add them, and in doing so it is not necessary to sell the worthless paints—the man who doesn't pay his debts is a part of every class of trade You will find there are great quantities of these lines you have not carried, sold all the time and at a good profit and for cash.

Enameled or grey or blue ware is a great seller. Hollow ware is good, carpet sweepers, fishing tackle and sporting goods in a small way. Put in lines that competitors don't handle ; there are any number of them, and they attract customers.

LEST WE FORGET,

and what should be the first thing in the new month, don't neglect to see the carried-over holiday goods, that positively do not sell during the year, put away safely and put away dust-proof and dirt-proof. For a great many goods paper bags are capital for this. Some of it can go along through the month with the chance of selling it, but the time comes for fire irons, brass sets, candelabra and candle sticks, brass fenders, brass hods and all the smaller pieces of plated, brass and bright goods, and their value gets away unless properly wrapped and bagged and packed in a clean, dark corner.

START WITH A CLEAN STORE.

This month and the new year should see every part of the store spick and span and clean as clean can be. Of course, the inventory helps much if carried through rightly, but all of us do not clean up thoroughly as we go, while it is a fact that every man doing calling off should have a brush or feather duster near at hand, and not depend so largely on an after going-over, for which time and opportunity may never come.

It is wonderful the amount of filth, etc., that gathers during the year on shelves, in boxes, and throughout every corner of a hardware store, and the time to clean up rightly is early in the first month of the year.

THE OPPORTUNITY FOR CLEARING DEAD STOCK

is in January. No other month gives you the same, and in no other month of the year, perhaps, is there as much time to give to it. If inventory has been rightly taken it has developed all the worthless and unsalable goods in the house. It now remains for us to get rid of them, and with many this is a sort of nightmare, while properly handled and displayed it is not a hard job at any time. Give them a table of their own : show them at their best, with a price that will move them, and if that price don't do it give them another. Lump them off to contractors, shopmen, factories or what not. Sell them at some price, and you will have done the best job of the month, leaving you in good shape for the 11 months to follow.—H. C. W. in Iron Age.

At Chatham, N.B., all the merchants, excepting two, have signed an agreement whereby they agree to close their places of business at 6 o'clock p.m. each week night, except Saturday, during the months of January, February and March. The above agreement took effect on Monday, January 6, 1902.

WE have the nicest set of Hose samples ever shown to the Canadian trade. Don't fail to see them.

HOSE

GARDEN
STEAM
SUCTION
ETC.

Send for samples and quotations.

WE make Hose of all kinds for all purposes. Our equipment is the most modern and our goods are perfection.

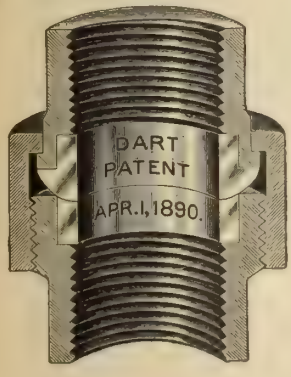
MANUFACTURED BY

THE DURHAM RUBBER CO., LIMITED

Bowmanville, Ont.

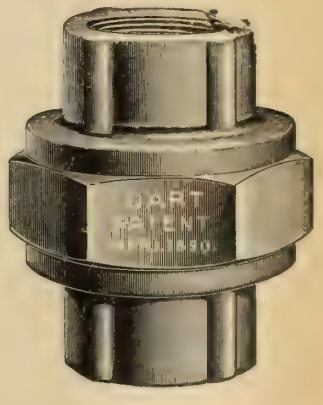
The Dart Patent Union Couplings

THE BEST ON THE MARKET.



ADAPTED TO ALL USES.

THE STANDARD FOR RAILROAD AND LOCOMOTIVE SERVICE.



Bronze Metal Ground Joint Seats.

The Fairbanks Company, 747 and 749 Craig Street, Montreal.

CANADIAN AGENTS.

FOSSIL FLOUR IN NEW BRUNSWICK.

IN Colchester county, Nova Scotia, lies Bass River Lake, resting almost on the mountain top, 1,340 feet above Cobequid Bay. About 20 years ago this lake ran dry for a time, and then as mysteriously refilled again. But there was discovered between the various strata, lying on its rocky bed, a curious white, chalky substance, which was found to be indestructible, the most intense heat having no effect upon it, and insoluble, besides being a non-conductor of heat.

Various unsuccessful attempts were made to manufacture this, and it was not till 1893 that a company consisting of capitalists from Portland, Providence, New York and Pennsylvania, was organized to go on with the work of development. Davis S. Collins went to Nova Scotia to superintend the operations. A building 200 feet, two storeys and a half high was erected, in which was placed machinery, resembling that used in an ordinary flour mill. Boilers and an engine were added, and a wooden tramway, 12 miles long, built from the works to the shore of Cobequid Bay. The lake was drained by means of trenches, and the work of getting at the substance which they propose to manufacture, began. The difficulty, however, of drying this mineral, which had puzzled many before, came up and the attempt almost failed. But by great energy and persistence, new and special machinery was installed, and was found to work very successfully. That was in 1896.

Large quantities of wood are required and large numbers of men are employed in cutting and hauling it, while about 50 men are employed about the works during the summer, working day and night. The amount of money expended for labor exceeds $20,000 annually.

Analysis of the product of the Bass River Lake and tests of its usefulness, made by Gray Stanton, a New York chemist and metallurgist, shows that the flour consists of boat-shaped diatoms. These diatoms differ in different deposits. Some deposits are in dead moors. The deposit used by The Fossil Flour Company is "live" and consequently is, according to the above-named expert, superior. Fossil-flour diatoms are of cellular formation. Those of whiting and zinc are hard and flat. Fossil flour grips, clinches, and is absorbent, insuring a single compound or material—not a mixture of two distinct articles—when used to assist in other manfactures. Fossil flour is absolutely neutral, and by means of the process of refinement nothing in the refined material is left of animal or vegetable matter. It is a drug mechanically but not chemically. Four grades, comprising two varieties, are manufactured at Bass River, to which separate names are applied, viz., Fossil Flour and Tripolite. Practically they are the same except in color. The finest grade is a beautiful snowy white, and in this only one and fifteen-one-hundredth per cent. of impurity remains.

Fossil flour is used for various purposes, as in making rubber compounds, in producing ultramarine dyes, as covering for steam pipes, boilers, etc., to prevent heat radiation; it is made into silver polish of the finest quality; also polish for tinware and the baser metals. New uses are being discovered continually for this remarkable flour, and it is rapidly superseding whiting and zinc.

This industry is the only one of its kind known to be in existence. Last year the profits of the company are stated to have been most satisfactory, and as enough of this deposit exists at the bottom of the lake to last 60 years, doubtless more extensive works will follow.

THE ARSENIC INDUSTRY.

THE only arsenic works in America are located at Deloro, Hastings County, Ont. They have a capacity of 1,000 tons per annum and employ from 160 to 180 men, their monthly payroll being $7,000, besides outlay for wood, timber, etc. This arsenic is of very high quality. The refined product that is placed on the market by this company is said to be the purest in the world. It is and can be produced in Canada at less cost per ton than anywhere else in the world. This is only possible by reason of the gold contents in the ore from which the arsenic is eliminated. The gold value now goes towards paying the cost of mining and treating, but unless the arsenic also is extracted, the gold contents of the Hastings mispickel would not alone pay.

On account of its low cost of production there is a good chance for Canadian arsenic to displace the English and foreign article in the markets of Canada and the United States. Into the latter country in 1900 there were imported 7,046,353 lb. of arsenic; value, $333,153. For the year 1899, 10,539,439 lb.; value, $415,066. In 1899 there were imported into the United States and Canada, 5,567 tons of arsenic. Canada, during the four years ending 1898, imported 2,224,783 lb., valued at $82,103.

Since 1898 the Dominion users have purchased the Canadian product in increasing quantities instead of the foreign importations. The present import figures, then, would not indicate the consumption in this country.

ACETYLENE GAS CASE.

In the High Court, Toronto, on Monday, January 6: Bowerman v. Town of Amherstburg.—Judgment (E.B.B.) in action tried at Sandwich, brought by plaintiff on behalf of himself and other ratepayers and the Attorney-General for Ontario, to have declared invalid a resolution of the council of the corporation allowing defendant Fraser to lay metal pipes under the surface of certain streets to convey acetylene gas to his neighbors, to restrain defendant from laying pipes, and for a mandamus to defendant Fraser to restore the streets to their former state of repair. Held, that the council had power under the Municipal Act, sec. 566 (3), as amended by 62 Vict. (O.), sec. 35, article (a8), to authorize defendant Fraser to lay the pipes, notwithstanding 1 Edw. VII., 26, sec. 24. The defendant Fraser is not supplying light for his own purposes only, but for municipal and public purposes of the municipality, and the public see fit to avail themselves, so far as the streets in question are concerned. Held also, that the by-law passed pending the action and confirming the resolution is valid, though not signed by the mayor, R.S.O., ch. 223, sec. 272, but the presiding officer who had power to sign. Action dismissed without costs between plaintiff and defendants, or between defendants. A. H. Clarke (Windsor), for plaintiff. D. R. Davis (Amherstburg), and F. H. A. Davis (Amherstburg), for corporation. J. H. Rodd (Windsor), for defendant Fraser.



THE PAINTERS PERFECT WHITE LEAD

is beautifully soft and fine in the grain. It mixes well with Linseed Oil, forming a creamy smooth paint of great covering power and undoubted durability. Every atom is paint — perfect paint — and there is no loss or residue of any kind. The Painters Perfect White Lead has become very popular everywhere. Book early to ensure early shipment.



THE CANADA PAINT COMPANY LIMITED

Montreal and Toronto.

"MIDLAND"

BRAND

Foundry Pig Iron.

Made from carefully selected Lake Superior Ores, with Connellsville Coke as fuel, "Midland" will rival in quality and grading the very best of the imported brands.

Write for Prices to Sales Agents

Drummond, McCall & Co.
or to MONTREAL, QUE.
Canada Iron Furnace Co.
MIDLAND, ONT. Limited

"The Peerless"

is the best Bolster Spring ever produced. A fine line for the hardware trade. Write Us For Prices.



James Warnock & Co. = Galt, Ont.

CURRENT MARKET QUOTATIONS.

January 17, 1902.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag and Straits—56 and 28 lb. ingots, 100 lb.	29 00	30 00

Tinplates.

Charcoal Plates—Bright		
M.L.S., equal to Bradley.		Per box
I.C., usual sizes	....	$6 75
I.X., "	....	8 25
I.X.X., "	....	9 75
Famous—		
I.C.	....	6 75
I.X	....	8 25
I.X.X	....	9 75
Raven & Vulture Grades—		
I.C., usual sizes	....	5 00
I.X., "	....	6 00
I.X.X "	....	7 00
I.XXX., "	....	8 00
D.C., 12½x17	....	4 50
D.X.	....	5 25
D.X.X	....	6 00
Coke Plates—Bright		
Bessemer Steel—		
I.C., usual sizes	....	4 25
I.C., special sizes, base	....	4 60
20 x 28	....	9 00
Charcoal Plates—Terne		
Dean or J. G. Grade—		
I.C., 20x28, 112 sheets	....	8 50
I.X., Terne Tin	....	10 50
Charcoal Tin Boiler Pla		
Cookley Grade—		Per lb.
X.X., 14x56, 50 sheet bxs	....	0 06½
" 14x60, "		
" 14x65, "		
Tinned Sheets		
72x30 up to 24 gauge	....	0 07½
" 26 "	....	0 08

Iron and Steel.

Common Bar, per 100 lbs	1 95	2 05
Refined "	....	2 45
Horse Shoe Iron	....	2 40
Hoop steel, 1½ to 3 in. base,		3 10
Sleigh Shoe Steel " base	....	2 10
Tire Steel	2 30	2 50
Reeled Machinery	....	3 00
Toe Calk Steel	2 85	3 00
T. Firth & Co's tool steel, per lb	0 12½	0 13
Jessop's tool Steel	....	0 14
Morton's tool steel	C 12½	0 13
Black Diamond and "B.C," tool steel	0 10	0 11
Chas. Leonard's tool steel	0 08	0 09
Drill Steel, per lb	0 08	0 10

Boiler Tubes.

1½-inch	....	0 12½
2 "	....	0 13
2½ "	....	0 15
3 "	....	0 16
3½ "	....	0 20
4 "	....	0 25

Steel Boiler Plate.

¼ inch	2 50	2 60
3-16 inch	2 60	2 70
⅜ inch and thicker	2 50	2 60

Black Sheets.

	Com.	D.Fl.
18 gauge	2 85	3 00
20 gauge	2 85	3 00
22 to 24 "	2 95	3 25
26 "	3 05	3 50
28 "	3 15	....

Canada Plates.

All dull, 52 sheets	....	3 00
Half polished	....	3 10
All bright	....	3 75

Iron Pipe.

Black pipe—	Per 100 Feet.
⅛ "	4 65
¼ inch	3 40
⅜ "	3 45
½ "	3 70
¾ "	3 85
1 "	5 40
1¼ "	7 70
1½ "	9 20
2 "	12 50
2½ "	24 00
3 "	28 0
3½ "	36 00
4 "	43 00
4½ "	50 00
5 "	57 00
6 "	73 00
Galvanized pipe—	
⅛ inch	5 15
¾ "	5 50
1 "	7 95
1¼ "	10 80
1½ "	12 95
2 "	17 35

5 p. c. off to preferred buyers.

Galvanized Sheets.

	G C. Comet.	Amer.	Queen's Head.
16 gauge	....	....	....
18 to 24 gauge	4 05 3 75	....	4 05
26 "	4 25 4 00	....	4 25
28 "	4 50 4 25	....	4 50

Less than case lots 10 to 15c. extra.
28 gauge American equals 26 gauge English.

Chain.

Proof Coil, 3-16 in., per 100 lb	....	....
" ¼ "	7 85	8 10
" 5-16 " "	4 95	5 25
" ⅜ " "	4 25	4 60
" 7-16 " "	4 15	4 40
" ½ " "	4 00	4 25
" 9-16 " "	3 90	4 15
" ⅝ " "	3 80	4 05
" ¾ " "	3 85	4 10

Halter kennel and post chains, 40 to 40 and 5 p.c.
Cow ties ..... 40 p.c.
Tie-out chains ..... 65 p.c.
Stall fixtures ..... 35 p.c.
Trace chain ..... 45 p.c.
Jack chain, iron, single and double, discount 35 p.c.
Jack chain, brass, single and double, discount 40 p.c.

Copper.

	Ingot	Per 100 lb.
English B. S., ton lots	....	15 00
Lake Superior	....	....
Bars.		
Cut lengths round, ½ to ⅞ in.	23 00	25 00
" round and square 1 to 2 inches	23 00	25 00
Sheet.		
Plain, 14 oz., and light, 16 oz., 14x48 and 14x60	24 00	24 50
Plain, 14 oz., and light, 16 oz., irregular sizes	24 50	25 00
Tinned copper sheets	....	26 00
Planished	....	32 00
Braziers (In sheets.)		
4x6ft. 25 to 30 lbs. ea., per lb.	....	0 25
" 35 to 45 " "	....	0 24
" 50-lb. and above, "	....	0 23
Boiler and T. K. Pitts		
Plain Tinned, per lb	....	0 28
Spun, per lb	....	0 32

Copper Ware.

Discount, 50 per cent.

Brass.

Rod and Sheet, 14 to 30 gauge	10 per cent.	
Sheets, hard-rolled, 2x4	....	0 23
Tubing, base, per b	....	0 23½

Zinc Spelter

Foreign, per lb	0 05½	0 06
Domestic "	...	..

Zinc Sheet.

5-cwt. casks	6 00	6 25
Part casks	0 06	0 06¼

Lead.

Imported Pig, per 100 lb	3 50	3 75
Bar, 1 lb.	....	0 05
Sheets, 2½ lbs. sq. ft., by	....	0 06¼
Sheets, 3 to 6 lbs., "	....	0 06

NOTE.—Cut sheets ½ cent per lb. extra.
Pipe, by the roll, usual weights per yard, lists at 7c. per lb. and 35 p.c. dis. f.o.b. Toronto.
NOTE.—Cut lengths, net price, waste pipe 3-ft. lengths lists at 7½ cents.

Shot.

Common, $6.50 per 100 lb.; chilled, $7.00 per 100 lb.; buck, seal and ball, $7.50. Discount, 22½ p.c. Prices are f.o.b. Toronto, Hamilton, Montreal, St. John and Halifax. Terms 3 per cent. cash, freights equalized.

Soil Pipe and Fittings.

Discount, 60 and 10 per cent. on medium and extra heavy, and 60 per cent. on light.

Solder.

	Per lb.	Per lb.
Bar half-and-half, guarant'd	....	0 19
Bar half-and-half, commer'l	....	0 18½
Refined	....	0 18
Wiping	....	0 17½

Antimony.

Cookson's, per lb	0 10	0 11

White Lead.

	Per 100 lb.
Pure	5 87½
No. 1	5 50
No. 2	5 12½
No. 3	4 75
No. 4	4 37½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B B. Genuine	8 25
" " No. 1	7 50

Above prices are for 25 lb. and upwards.

Red Lead.

Genuine, 560 lb. casks, per cwt.	....	$4 75
Genuine, 100 lb. kegs, per cwt.	....	5 00
No. 1, 560 lb. casks, per cwt.	....	4 25
No. 1, 100 lb. kegs, per cwt	....	4 50

White Zinc.

Extra Red Seal	0 06	0 08
No. 1	0 05½	0 07
No. 2	0 05	0 06

Dry White Lead.

Pure, casks	5 25	
Pure, kegs	5 50	
No. 1, casks	5 00	
No. 1, kegs	5 25	

Prepared Paints.

In ¼, ½ and 1 gallon tins.

Pure, per gallon	....	1 25
Second qualities, per gallon	....	1 10
Barn (in bbls.)	0 60	0 90
The Sherwin-Williams Paints.	....	1 40
Canada Paint Co's Pure	....	1 25
Toronto Lead & Color Co's Pure	....	1 25
Sanderson Pearcy's Pure	....	1 20
Stewart & Wood's Champion Pure.		1 20

Colors in Oil.

25 lb. tins, Standard Quality.

Venetian Red, per lb	0 04½	0 06
Chrome Yellow	0 12	0 14
Golden Ochre	0 08	0 10
French "	....	0 06
Marine Black	....	0 09
Chrome Green	....	0 10
French Imperial Green	....	0 12
Sign Writers' Black	....	0 16
Burnt Umber	....	0 11
" Sienna	....	0 11
Raw Umber	....	0 11
" Sienna	....	0 11

Colors, Dry.

Common Ochre bbls.	1 20	1 30
Yellow Ochre J.F.L.S., bbls	....	2 00
Yellow Ochre (La Belle)	1 15	1 25
Brussels Ochre	....	2 00
Venetian Red (best), bbl	1 75	2 00
English Oxides, per cwt.	3 00	3 25
American Oxides, bbls.	1 25	2 00
Canadian Oxides, 1 bls.	1 25	1 75
Super Magnetic Oxides, 93p.c.	2 00	2 25
Burnt Sienna, pure, per lb.	....	0 10
" Umber, " "	....	0 10
do Raw	....	0 09
Drop Black, pure	....	0 09
Chrome Yellows, pure	....	0 18
Chrome Greens, pure, per lb.	0 09	0 10
Golden Ochre	0 04	0 05
Ultramarine Blue in 28-lb. boxes, per lb.	0 06	0 18
Fire Proof Mineral, per 100 lb	....	1 00
Genuine Eng. Litharge, per lb	....	0 07
Mortar Color, per 100 lb.	1 25	1 50
Pure Indian Red, No. 45 lb.	0 08	0 10
Whiting, bbl.	0 55	0 60
English Vermillion in 30-lb. bags.		0 95

Paris Green.

	per lb.
Petroleum Casks	16¾
Arsenic Kegs	17
50-lb. and 100-lb. drums	17½
25-lb. drums	18
1-lb packages	18½
½-lb. do	20½
1-lb. tins	19½
½-lb do	21½

F.O.B. Montreal. Terms—3 p. c. off 30 days, or 4 mos. from date of de'ivery.

Blue Stone.

Casks, for spraying, per lb.		0 07
100-lb. lots, do. per lb.		0 08

Putty.

Bulk in bbls.,		1 90
Bulk in less quantity		2 05
Bladders in bbls.		2 25
Bladders in kegs, boxes or loose		2 40
Bladders in 25-lb. tins		2 35
Bladders in 12½-lb. tins		2 65
Bladders in bulk or tins less than 100 lb		2 90

Varnishes.

In 5-gal. lots.	Per gal.	net.
Carriage, No. 1	1 50	1 60
Pale Durable body	4 10	4 25
" rubbing	2 85	3 00
Gold Size, Japan	2 85	3 00
No. 1 Brown Japan	....	0 85
Elastic Oak	....	1 50
Furniture, extra	....	1 25
" No. 1	....	0 85
Hard Oil Finish	1 65	1 75
Light Oil Finish	1 40	1 60
Demar	1 70	1 80
Shellac, white	2 30	2 45
" orange	2 25	2 35
Turpentine Brown Japan	....	1 25
" Black Japan	0 85	0 90
" " No. 1.	0 70	0 75

Elastilite Varnish 1 gal. can, each, $3.00.
Granitine Floor Finish per gal., $2.75.

Maple Leaf Coach Enamels; Size 1, $1 20
Size 2, 70c.; Size 3, 40c. each.

Castor Oil.

East India, in cases, per lb.	0 09½	0 10
" " small lots	0 10	0 10½

Cod Oil, Etc.

Cod Oil per gal.	0 50	0 55
Pure Olive	....	1 20
" Neatsfoot	....	90

Glue.

Common	0 08½	0 09
French Medal	0 14	0 14½
Cabinet sheet	0 12	
White, extra	0 18	
Gelatine	0 22	0 30
Strip	0 18	
Coopers	0 19	
Huttner	....	

THOS. GOLDSWORTHY & SONS

MANCHESTER, ENGLAND.

EMERY { Cloth / Corn / Flour

We carry all numbers of Corn and Flour Emery in 10-pound packages, from 8 to 140, in stock. Emery Cloth, Nos. OO., O., F., FF., 1 to 3.

JAMES HUTTON & CO., Wholesale Agents for Canada, **Montreal.**

HARDWARE.

Ammunition.

Cartridges.

B. B Caps Dom. 50 and 5 per cent
Rim Fire Pistol, dis. 40 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Central Fire Pistol and Rifle, 10 p.c. Amer.
Central Fire Cartridges, pistol sizes Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 per cent.
Central Fire, Military and Sporting, Amer. add 5 p.c. to list. B.B. Caps, discount 40 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 10 p c. advance on list.
Brass Shot Shells, 55 per cent.
Primers, Dom., 30 per cent.; American, $1.60.

Wads	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb. bags	70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	

Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 20 per cent.

Anvils.

Wright's, 80-lb. and over	0 10¾
Hay Budden, 80-lb. and over	0 09¼
Brook's, " " "	0 11¼

Augers.

Gilmour's, discount 65 and 5 p.c. off list.

Axes.

Chopping Axes		
Single bit, per doz	5 50	10 00
Double bit, "	11 00	18 00
Bench Axes, 40 p.c.		
Broad Axes, 25 per cent.		
Hunters' Axes	5 50	6 00
Boy's Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Axle Grease.

Ordinary, per gross	5 75	6 00
Best quality	13 00	15 00

Bath Tubs.

Zinc	6 00
Copper, discount 15 p.c. off revised list	

Baths.

Standard Enameled.

5½-inch rolled rim, 1st quality	25 00
" " " 2nd "	21 00

Anti-Friction Metal.

"Tandem" A per lb.	0 27
" B "	0 21
" C "	0 11½
Magnolia Anti-Friction Metal, per lb.	0 25
Frictionless metal, per lb	0 23

SYRACUSE SMELTING WORKS.

Aluminum, genuine	0 41
Dynamo	0 27
Special	0 22
Aluminum, 99 p.c. pure "Syracuse"	0 45
Phosphorine anti-friction metal	0 25

Bells.

Hand.

Brass, 60 per cent.
Nickel, 55 per cent.

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Door.

Gongs, Sargant's	5 50	8 00
" Peterboro', discount 45 per cent.		

Farm.

American, each	1 25	3 00

House.

American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00
Blacksmiths', discount 40 per cent.		

Belting.

Extra, 60 per cent.
Standard, 60 and 10 per cent.
No. 1, not wider than 6 in., 60 10 and 10 p.c.
Agricultural, not wider than 4 in., 75 p c.

Bits.

Auger.

Gilmour's, discount 60 and 5 per cent.
Rockford, 50 and 10 per cent.
Jennings' Gen., net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind and Bed Staples.

All sizes, per lb	0 07¾	0 12

Bolts and Nuts.

	Per cent.
Carriage Bolts, common ($1 list)	55 and 5
" " full square ($2.40 list)	60 and 5
" " Norway iron ($3 list)	60 and 5
Machine Bolts, all sizes	55 and 5
Plough Bolts	55 and 5
Blank Bolts	60
Bolt Ends	60
Sleigh Shoe Bolts	70
Coach Screws, cone point	70
Nuts, square, all sizes. 3¾c per lb. off.	
Nuts, hexagon, all sizes. 4c. per lb. off.	
Stove rods, per lb. ..... 5½ to 6c.	
Nuts, in 50 lb. lots ¼c. per lb extra in less than 50 lb lots, ½c. extra.	

Boot Calks.

Small and medium, ball, per M	4 25
Small heel, per M	4 50

Bright Wire Goods.

Discount ..... 62½ per cent.

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent.

Henis, No. 8 "	6 00
Henis, No. 9, "	7 00
Queen City "	7 50 0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Building Paper, Etc.

Tarred felt, per 100 lb	1 70
Ready roofing, 2-ply, not under 45 lb. per roll	85
Ready roofing, 3-ply, not under 65 lb. per roll	1 10
Carpet felt, per ton	45 00
Dry sheathing, per roll, 400 sq. ft	35
Tar sheathing, " " "	45
Dry fibre " " "	55
Tarred fibre, " " "	65
O.K. & I.X.L., " " "	70
Resin-sized, " " "	43
Oiled sheathing " 600 "	1 10
" " 400 "	70
Roofing in barrels, per gal	17
" small packages	25
Refined tar, per barrel	4 50
Coal tar, "	4 00
Coal tar, less than barrels, per gal	15
Roofing pitch, per 100 lb	85

Bull Rings.

Copper, $2.00 for 2½ in. and $1.90 for 2 in.

Butts.

Wrought Brass net revised list.

Cast Iron.

Loose Pin, dis., 60 per cent.

Wrought Steel.

Fast Joint, dis. 65, 10 and 2½ per cent.
Loose Pin, dis. 65, 10 and 2½ per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.
Gen. Bronzed, per pair | 0 40 | 0 65

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	....

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	8 50	9 50

Cement.

Canadian Portland	2 25	2 75
English "	3 00	3 15
Belgian "	2 50	2 75
Canadian hydraulic	1 25	1 50

Chalk.

Carpenters Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 70 per cent.
Warnock's, dis. 70 per cent.
P. S. & W. Extra 60, 10 and 5 p.c.

Churns.

Revolving Churns, metal frames—No. 0, $8—No. 1, $8.50—No. 2, $9.00—No. 3, $10.00—No. 4, $12.00—No. 5, $16.00 each. Ditto, wood frames—20c. each less than above. Discounts: Delivered from factories, 56 p.c.; from stock in Montreal, 54 p.c. Terms, 4 months or 3 p.c. cash in 30 days.

Clips.

Axle dis. 65 per cent.

Closets

	Net.
Plain York or Ontario Syphon Jet.	$9 60
Emb. York or Ontario Syphon Jet.	10 20
Fittings	1 00
Plain Elgin or Teu. Syphon Washout	6 00
Emb. Elginor Teu. Syphon Washout	6 60
Fittings	1 25
Low Down Elgin or Teutonic, plain	9 60
" " " emb.	10 20
Plain Richelieu	4 00
Emb. Richelieu	4 25
Connections	1 25
Low Down Oat. Sy. Jet, plain	11 70
" " " " emb'd.	12 30
Closet connection	1 25
Basins P.O., 14 in	0 70
" oval, 17 x 14 in	1 50
" " 19 x 15 in	2 25

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Cradles, Grain.

Canadian, dis. 25 to 33⅓ per cent.

Crosscut Saw Handles.

S. & D., No. 3, per pair	17½
" " 5, "	22½
" 6, "	15
Boynto pattern "	20

Door Springs.

Torrey's Rod, per doz	(15 p.c.)	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Coach and Wagon, dis. 50 and 10 per cent
Carpenters, dis. 70 per cent.

Drills.

Hand and Breast.

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis., 37½ to 40 per cent.
Standard dis. 50 and 5 to 55 per cent.

Faucets.

Common, cork-lined, dis. 35 per cent.

ELBOWS. (Stovepipe.) per doz

5 and 6-inch, common	1 20
7-inch	1 35
Polished, 15c. per doz. extra.	

ESCUTCHEONS.

Discount, 45 per cent.

ESCUTCHEON PINS.

Iron, discount 40 per cent.

FACTORY MILK CANS.

Discount off revised list, 40 per cent.

FILES AND RASPS.

Great Western	70 and	10	per cent.
Arcade	70 "	10	"
Kearney & Foot	70 "	10	"
Disston's	70 "	10	"
American	70 "	10	"
J. Barton Smith	70 "	10	"
McClellan	70 "	10	"
Eagle	70 "	10	"
Nicholson, 60 and 10 to 60, 10 and 5			"
Royal	80		"
Globe	70 to	75	"

Black Diamond, 60 and 10 to 60, 10 and 5 p.c.
Jowitt's, English list, 25 to 27½ per cent.
Nicholson File Co 's "Simplicity" file handle, per gross, 85c. to $1.50.

GLASS—Window—Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	D. Diamond Per 50 ft.	D. Diamond Per 100 ft
Under 26	2 20	4 25	....	6 25
26 to 40	2 40	4 65	....	6 75
41 to 50	....	5 10	....	7 50
51 to 60	....	5 35	....	8 50
61 to 70	....	5 75	....	9 70
71 to 80	....	6 25	....	11 00
81 to 85	....	7 00	....	12 55
86 to 90	....	7 75	..	15 00
91 to 95	..	....	...	17 50
96 to 100	.. ..	....	..	20 50
101 to 105	....	....	....	24 00
106 to 110	....	....	....	27 50

GAUGES

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's, Nos. 26 to 33, each	1 65	2 40

HALTERS.

Rope, ⅜ per gross	....	....
" ½ "	....	9 00
" ⅝ to ¾	....	14 00
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

	Can.	dis.
Maydole's, dis. 5 to 10 per cent. 25 to 27½ per cent.		

Tack.

Magnetic, per doz	1 10	1 20

Sledge.

Canadian, per lb	0 07½	0 08¾

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz. net	1 50	2 00
Store door, per doz	1 00	1 50

Fork.

C. & B., dis. 40 per cent. rev. list.

Hoe.

C. & B., dis. 40 per cent. rev. ist.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 75

Hammer and Hatchet.

Canadian, 40 per cent.

Cross-Cut Saws.

Canadian, per pair	0 13¾

HANGERS.

	doz. pairs.	
Steel barn door	5 85	6 00
Stearns, 4 inch	....	5 00
" 5 inch	....	6 50

Lane's covered—

No. 11, 5-ft. run	....	8 40
No. 11½, 10-ft. run	....	10 80
No. 12, 10-ft. run	....	12 60
No. 14, 15-ft. run	....	21 00
Lane's O.N.T. track, per foot	....	4½

HARVEST TOOLS.

Discount, 70 per cent.

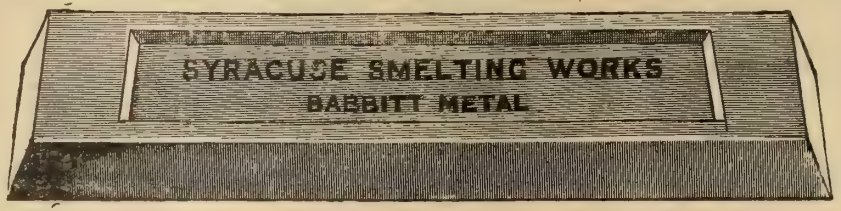
HATCHETS.

Canadian, dis. 40 to 42½ per cen

USE PHOSPHORINE ANTI-FRICTION METAL

It is the new discovery. Ask for particulars.

It is the only Anti-Friction Metal known to be chemically pure.



For Paper and Pulp Mills, Saw and Wood Working Machinery, Cotton and Silk Mills, Dynamos, Marine Engines, and all kinds of Machinery Bearings.

Wire, Triangular and Bar Solder, Pig Tin, Lead, Ingot Copper, Ingot Brass, Antimony, Aluminum, Bismuth, Zinc Spelter, Phosphor Tin, Phosphor Bronze, Nickle, etc., always in stock.

CANADIAN WORKS, MONTREAL, P.Q.
AMERICAN " SYRACUSE, N.Y.

Syracuse Smelting Works

HINGES.

Blind, Parker's, dis. 50 and 10 to 60 per cent
Heavy T and strap, 4-in., per lb.... 0 06½
" " 5-in., " 0 06¼
" " 6-in., " 0 06
" " 8-in., " 0 05¾
" " 10-in., " 0 05½
Light T and strap, dis. 65 and 5 per cent.
Screw hook and hinge—
6 to 10 in., per 100 lbs.... .... 4 25
12 in. up, per 100 lbs..... .... 3 25
Per gro. pairs.
Spring..... .... 12 00

HOES.

Garden, Mortar, etc., dis. 50 and 10p.c.
Planter, per doz..... 4 00 4 50

HOLLOW WARE

Discount,..... 45 and 5 per cent.

HOOKS.

Cast Iron.

Bird Cage, per doz.....	0 50	1 10
Clothes Line, per doz.....	0 27	0 63
Harness, per doz.....	0 72	0 88
Hat and Coat, per gross.....	1 00	3 00
Chandelier, per doz.....	0 50	1 00

Wrought Iron.
Wrought Hooks and Staples, Can dis 47½ per cent.

Wire.
Hat and Coat, discount 45 per cent.
Belt, per 1,000..... 0 60
Screw, bright, dis. 55 per cent.

HORSE NAILS.

"C" brand 50 and 7½p.c.off new list } Oval-
"M" brand 50, 10 and 5 per cent. } head
Countersunk, 60 per cent.

HORSESHOES

F.O.B. Montreal.

Iron Shoes.	No. 2 and larger.	No. 1. and smaller.
Light, medium, and heavy...	3 50	3 75
Snow shoes.....	3 75	4 00
Steel Shoes.		
Light.....	3 60	3 85
Featherweight (all sizes).....	4 85	4 85

F.O.B. Toronto, Hamilton, London and Guelph, 10c. per keg additional.
Toe weight steel shoes..... 6 70

JAPANNED WARE.

Discount, 45 and 5 p.c. off list, June 1899

ICE PICKS.

Star per doz..... 3 00 3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.
Copper, per lb..... 0 30 0 50
American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 45 p.c.
Cabinet, trunk, and padlock, Am. per gross..... 60

KNOBS.

Door, japanned and N.P., per doz..... 1 50 2 50
Bronze, Berlin, per doz..... 2 75 3 25
Bronze Genuine, per doz.... 6 00 9 00
Shutter, porcelain, F. & L. screw, per gross..... 1 30 4 00
White door knobs—per doz. 1 25

HAY KNIVES.

Discount, 50 and 10 per cent.

LAMP WICKS.

Discount, 60 per cent.

LANTERNS.

Cold Blast, per doz..... 7 00
No. 3 "Wright's"..... 8 50
Ordinary, with O burner..... 4 00
Dashboard, cold blast..... 9 00
No. 0..... 5 75
Japanning, 50c. per doz. extra.

LEMON SQUEEZERS.

Porcelain lined,.....per doz. 2 20 5 60
Galvanized..... 1 87 3 85
King, wood..... 2 75 2 90
King, glass..... 4 00 4 50
All glass..... 1 20 1 30

LINES.

Fish per gross..... 1 05 2 50
Chalk " 1 90 7 40

LOCKS.

Canadian, dis. 45 p.c.
Russel & Erwin, per doz.... 3 00 3 25
Cabinet.
agle, dis. 30 p.c.

Padlock

English and Am. per doz.... 50 6 00
Scandinavian, " 1 00 2 40
Eagle, dis. 20 to 25 p.c

MACHINE SCREWS. Iron and Brass.

Flat head discount 25 p.c
Round Head discount 20 p.c.

MALLETS.

Tinsmiths' per doz..... 1 25 1 50
Carpenters', hickory, per doz 1 25 3 75
Lignum Vitae, per doz.. .... 3 85 5 00
Caulking each..... 60 2 00

MATTOCKS.

Canadian, per doz..... 5 50 6 50

MEAT CUTTERS.

American, dis. 25 to 30 p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are :	Cut.	Wire.
2 d and 3d	$3 35	$3 55
3 d.....	3 00	3 22
4 and 5d.....	2 75	3 05
6 and 7d.....	2 65	2 90
8 and 9d.....	2 50	2 70
10 and 12d.....	2 45	2 65
16 and 20d.....	2 40	2 60
30, 40, 50 and 60d. (base).....	2 35	2 55

Wire nails in carlots are $2.50
Galvanizing 2c. per lb. net extra.
Steel Cut Nails 10c. extra.
Miscellaneous wire nails, dis. 75 p.c.
Coopers' nails, dis. 30 per cent.
Flour barrel nails, dis. 25 per cent

NAIL PULLERS.

German and American..... 1 85 3 50

NAIL SETS

Square, round, and octagon per gross 3 38 4 00
Diamond 12 00 15 00

POULTRY NETTING.

2-in. Mesh, 19 w.g., dis. 60 p.c.
2-in. Mesh, 18 w.g. and heav er, 50 and 10 p.c.

OAKUM. Per 100 lb.

Navy 6 00
U. S. Navy..... ..... 7 25

OIL.

Water White (U.S.)..... .... 0 16½
Prime White (U.S.)..... .... 0 15½
Water White (Can.)..... .... 0 15
Prime White (Can.)..... .... 0 14

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal., per doz..... .... 10 00
Zinc and tin, dis. 50, 50 and 10.
Copper, per doz.... ..... 1 25 3 50
Brass, " 1 50 3 50
Malleable, dis. 25 per cent.

GALVANIZED PAILS.

Dufferin pattern pails, dis. 45 p.c.
Flaring pattern, discount 45 per cent.
Galvanized washtubs discount 45 per cent.

PIECED WARE.

Discount 40 per cent. off list, June, 1899.
10-qt. flaring sap buckets. dis. 40 p.c.
6, 10 and 14-qt. flaring pails, dis. 40 p.c.
Creamer cans, dis. 40 p.c.

PICKS.

Per doz..... 6 00 9 00

PICTURE NAILS.

Porcelain head, per gross.... 1 75 3 00
Brass head " 0 40 1 00

PICTURE WIRE.

Tin and gilt, discount 75 p c.

PLANES.

Wood, bench, Canadian dis. 40 per cent.
American dis. 50.
Wood, fancy Canadian or American 7½ to 40 per cent.

PLANE IRONS.

English, per doz..... 2 00 5 00

PLIERS AND NIPPERS.

Button's Genuine per doz pairs, dis. 37½ 40 p.c.
Button's Imitation, per doz.. 5 00 9 00
German, per doz..... 0 60 2 60

PLUMBERS' BRASS GOODS.

Standard Compression work, dis. 60 p.c.
"J.M.T." Cushion work, dis. 50 p.c.
Fuller work, dis. 65 p.c.
6 doz. lots and over of the above, extra dis 10 p c.
Rough Stops and Stops and Waghers, dis. 60 p c. With, in lots of 2 doz. and over, an extra dis. of 10 p.c.
"J.M.T." Globe, Agnle and Check Valves, dis 55 p.c.
Standard Globe, Angle and Check Valves, dis. 60 p.c.
"J.M.T." Radiator Valves, dis. 55 p c.
Standard " ' dis., 60 p.c.
Patent Quick Opening Valves, dis. 65 p.c. and 10 p c

No. 1 compression bath cock, net ..	2 00
No. 4 " " "	2 00
No. 7, Fuller's.....	2 20
No 4½, "	2 35
Patent Compression Cushion, basin cock, hot and cold, per doz.	15 00
Patent Compression Cushion, bath cock, No. 2208	2 25

POWDER.

Velox Smokeless Shotgun Powder.

100 lb. or less.....	0 85
1,000 lb. or more.....	0 80

Net 30 days.

PRESSED SPIKES.

Discount 25 per cent.

PULLEYS.

Hothouse, per doz.....	0 55	1 00
Axle.....	0 22	0 33
Screw.....	0 27	1 00
Awning.....	0 35	2 50

PUMPS.

Canadian cistern.....	1 80	3 60
Canadian pitcher spout.....	1 40	2 10

PUNCHES.

Saddlers', per doz.....	1 00	1 85
Conductors's '	9 00	15 00
Tinners', solid, per set.....	0 00	0 72
" hollow per inch.....	0 00	1 00

RANGE BOILERS. Net.

Domiaion, 35 "	6 75
" 40 "	7 75
Ronald's Galvanized, 30 gallons	6 50
" " 35 "	7 50
" " 40 "	8 50
Copper, 30 gallons.....	25 00
" 35 "	29 00
" 40 "	33 00

RAKES.

Wood, 10 per cent.

RAZORS.

	per doz.
Elliot's	4 00 18 00
Geo. Butler & Co.'s,.....	4 00 18 00
Boker's	7 50 11 00
" King Cutter	12 50 50 00
Wade & Butcher's...	3 60 10 00
Theile & Quack's	7 00 12 00

REGISTERS.

Discount,..... 40 pe cent

RIVETS AND BURRS.

Iron Rivets, black and tinned, discount 60 and 10 per cent.
Iron Burrs, discount 55 per cent.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c per lb.
Copper Rivets & Burrs, 35 and 5 p.c. dis. and cartons, 1c. per lb. extra, net
Extras on Tinned or Coppered Rivets ½-lb. cartons, 1c. per lb.

RIVET SETS

Canadian dis. 35 to 37½ per cent.

ROPE ETC.

Sisal	12
Pure Manilla.....	16
"British" Manilla.....	13½
Cotton, 3-16 inch and larger	16
" 5-32 inch.....	21
" ⅛ inch.....	22½
Russia Deep Sea	15½
Jute	8
Lath Yarn	10¼

RULES.

Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS. per set.

Mrs. Potts, No. 55, polished.. 65
" No. 50, nickle-plated 75

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ pe cent.
B & A. sand, 40 and 5 per cent.
Emery, 40 per cent.
Garnet (Rurton's), 5 to 10 p.c. advance on list.

SAP SPOUTS.

Bronzed iron with hooks, per doz... 9 50

SAWS.

Hand Disston's, dis. 12½ p.c.
S. & D., 40 per cent.
Crosscut, Disston's, per ft.... 35 0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.
Hack, complete, each..... 0 75 2 75
" rame only..... .... 0 75

SASH WEIGHTS.

Sectional, per 100 lbs..... 2 25 2 50
Solid, " 1 75 2 00

SASH CORD.

Per lb..... 0 23 0 30

SAW SETS.

"Lincoln" and Whiting, per doz... 4 75
Hand Sets, No. 1 Woodyatt (Morrill) 4 25
X-cut sets, No. 3 Woodyatt (Morrill) 9 50

SCALES.

Standard, 45 p.c.
Champion, 55 p.c.
Spring Balances, 10 p.c.
Fairbanks Standard, 35 p.c.
" Dominion, 55 p.c.
" Richelieu, 55 p.c.
Warren's new Standard 45 p.c.
" " Champion 65 p.c.

SCREW DRIVERS.

Sargent's per doz..... 0 65 1 00

SCREWS

Wood, F. H., bright and steel, 87½ and 10 p.c
Wood R. H., " dis. 82½ and 10 p.c.
" F. H., brass dis. 80 and 10 p.c.
Wood, R. H., " dis. 75 and 10 p.c.
" F.H., bronze, dis. 75 p.c.
" R.H. 70 p.c.
Drive Screws, 87½ and 10 per cent.
Bench, wood, per doz..... 3 25 4 00
" iron. " 4 25 5 75
Set, Case hardened, 60 per cent.
Square Cap, 50 and 5 per cent.
Hexagon Cap, 45 per cent.

SCYTHES.

Per doz, net 9 00

SCYTHE SNATHS.

Canadian, dis. 45 p.c.

SHEARS.

Bailey Cutlery Co., full nickeled, dis. 60 p.c.
Seymour's, dis. 50 and 10 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SINKS.

Steel and galvanized, discount 45 per cent.

SNAPS.

Harness, German, dis. 25 p.c.
Lock, Andrews'..... 4 50 11 50

SOLDERING IRONS.

1, 1½ lb., per lb..... ..... 0 37
2 lb. or over, per lb. 0 34

SQUARES.

Iron, No. 493, per doz 2 40 2 55
" Mo. 494, " 3 25 3 40
Steel, dis. 60. 10 and 5 p.c.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.

Plain, dis. ,75 and 12½ p.c. off revised list
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized 3 50 4 00
Plain 3 25 3 75
Coopers', discount 45 per cent.
Poultry netting staples, 40 per cent.

STANDARD CHAIN CO., PITTSBURGH, U. S. A.

MANUFACTURERS OF **CHAIN** OF ALL KINDS.

Proof Coil, B.B., B.B.B., Crane, Dredge Chain, Trace Chains, Cow Ties, etc.

ALEXANDER GIBB, Montreal. —Canadian Representatives— A. C. LESLIE & CO., Montreal.

For Provinces of Ontario and Quebec. For other Provinces.

STOCKS AND DIES.

American dis. 25 p.c.

STONE.	Per lb.	
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip,	0 09	0 09
Labrador	....	0 13
" Axe	....	0 15
Turkey	....	0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, 2 in, 40 to 200 lb, per ton	....	25 00
" under 40 lb. "	....	28 00
Grind. under 2 in. thick "	....	29 00

STOVE PIPES.

5 and 6 inch Per 100 lengths	....	7 00
7 inch " "	....	7 50

ENAMELINE STOVE POLISH.

No. 4—3 dozen in case, net cash	$4 80
No. 6—3 dozen in case, "	8 40

TACKS BRADS, ETC.

Cheese-box tacks, blued ..... 80 & 12½
Trunk tacks, black and tinned 85
Carpet tacks, blued ..... 80 & 15
" " tinned ..... 80 & 20
" " (in kegs) 40
Cut tacks, blued, in dozens only .. 80
" ¼ weights 60
Swedes cut tacks, blued and tinned—
In bulk ..... 80 & 10
In dozens 75
Swedes, upholsterers', bulk .... 85, 12½ & 12½
" brush, blued & tinned, bulk .. 70
" gimp, blued, tinned and japanned ..... 75 & 12½
Zinc tacks 35
Leather carpet tacks 55
Copper tacks 50
Copper nails 52½
Trunk nails, black ..... 65 and 5
Trunk nails, tinned ..... 65 and 10
Clout nails, blued ..... 65 and 5
Chair nails 35
Patent brads 40
Fine finishing 40
Lining tacks, in papers 10
Lining tacks, in bulk 15
" " solid heads, in bulk 75
Saddle nails in papers 10
" " in bulk 15
Tufting buttons, 22 line, in dozens only 60
Tin capped trunk nails 25
Zinc glazier's points 5
Double pointed tacks, papers .... 90 and 10
" " " bulk 40

TAPE LINES.

English, ass skin, per doz.	2 75	5 00
English, Patent Leather	5 50	9 75
Chesterman's each	0 90	2 85
" steel, each	0 80	8 00

THERMOMETERS.

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TRAPS. (Steel.)

Game, Newhouse, dis. 25 p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's discount 10 per cent.

German, per doz.	4 75	6 00

S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb	....	0 27
Wrapping, cotton, 3-ply	....	0 18½
" " 4-ply	....	0 23½
Mattress, per lb	0 33	0 45
Staging, "	0 27	0 35

VISES.

Wright's	....	0 13½
Brook's	....	0 12¾
Pipe Vise, Hinge, No. 1	....	3 50
" " " No 2	....	5 50
Saw Vise	4 50	9 00

ENAMELLED WARE.

White, Princess, Turquoise, Blue and White, discount 50 per cent.
Diamond, Famous, Premier, 50 and 10 p.c.
Granite or Pearl, Imperial, Crescent, 50, 10 and 10 per cent.

WIRE.

SMOOTH STEEL WIRE.

No. 0-9 gauge	$2 60	
10 "	6c. extra.	
11 "	12c. "	
12 "	20c. "	
13 "	30c. "	
14 "	40c. "	
15 "	55c. "	
16 "	70c. "	

Add 60c. for coppering and $2 for tinning.

Extras net per 100 lb. — Oiled wire 10c., spring wire $1.25, special hay baling wire 30c., best steel wire 75c., bright soft drawn 15c., charcoal (extra quality) $1.25, packed in casks or cases 15c., bagging and papering 10c., 50 and 100-lb. bundles 10c., in 25-lb. bundles 15c., in 5 and 10-lb. bundles 25c., in 1-lb. hanks 50c., in ½-lb. hanks 75c., in ¼-lb. hanks $1.

Fine Steel Wire, dis. 22½ per cent. List of extras: In 100-lb. lots: No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, 7.65—No. 24, $8—No. 25, $9—No. 26 $9.50—No. 27, $10—No. 28, $11 No. 29. $12—No. 30, $13—No. 31, $14—No. 32 $15, No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31 $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles, 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.50 to $3 85—No. 9, $2.85 to $3.15—No. 10 $3.60 to $3.95—No. 11, $3.70 to $4.10—No 12, $3 to $3.30—No. 13, $3.10 to $3.40—No. 14, $4.10 to $4.50—No. 15, $4.60 to $5.05—No. 16, $4.85 to $5.35. Base sizes, Nos. 6 to 9 $2.52½ f.o b. Cleveland.
Clothes Line Wire, regular 7 strand, No. 17, $4.65; No. 18, $2.90; No. 19, $2.60. Hollow 6 strand, No. 17, $4.30; No. 18, $2.70 No. 19, $2.35; No 20, $2.30, f.o.b. Hamilton, Toronto, Montreal.

WIRE FENCING.

Galvanized barb	....	3 00
Galvanized, plain twist	....	3 00

Galvanized barb, f.o.b. Cleveland, $2.77½ in less than carlots, and $2.65 in carlots

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net .. 1 25

WASTE COTTON.

	per lb.
Colored	6
White	8

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 60 p.c.
Coe's Genuine, dis. 20 to 25 p.c.

Towers' Engineer, each	2 00	7 00
" S., per doz.	5 80	6 00
G. & K.'s Pipe, per doz.	....	3 40
Burrell's Pipe, each	....	3 00
Pocket, per doz.	0 25	2 90

WRINGERS.

Leader per doz.	$30 00	33 00
Royal Canadian "	....	24 00
Royal American, "	....	24 00
Sampson "	....	24 00

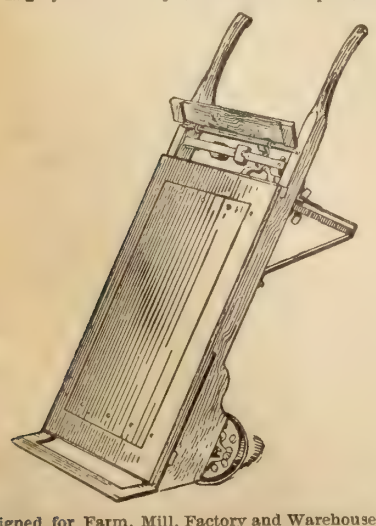
Terms 4 months, or 3 p.c. 30 days.

WROUGHT IRON WASHERS.

Canadian make, discount, 40 per cent.

ADVERTISING in WESTERN CANADA
will be Carefully Efficiently, and Promptly attended to, by
The Roberts Advertising Agency,
WINNIPEG CANADA.

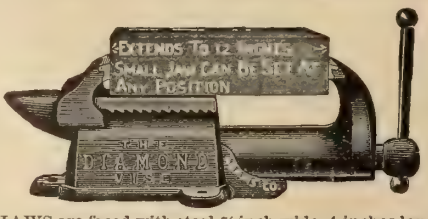
THE PARCELL DROP LEVER TRUCK SCALES.
Highly Endorsed by Government Inspectors.

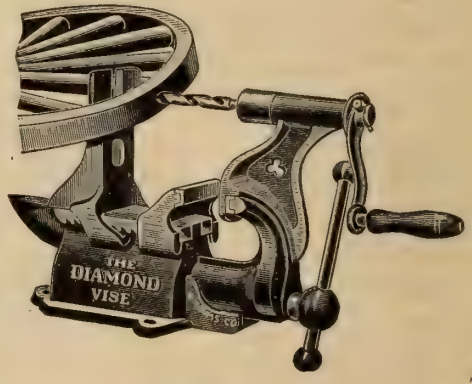


Designed for Farm, Mill, Factory and Warehouse uses. Ask your Wholesale Dealer for cuts and prices, or write
AYLMER IRON WORKS CO., Limited, AYLMER, ONT.

DIAMOND VISE AND DRILLING ATTACHMENT

U. S. Patent Jan. 15, '95. Canadian Patent July 22, '95.





JAWS are faced with steel ⅞ inch wide, 4 inches long, firmly fastened to jaw, checked and hardened.
VISE weighs 38 pounds. DRILL weighs 13 pounds.
For Sale by Jobbers of Hardware.

Made by—
The Adams Company, Dubuque, Iowa, U.S.A.
Made by **A. R. Woodyatt & Co.,** Guelph, Ont.

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY
MONTREAL.

Watch our ad. in next issue, or write to us for particulars on our patented
Automatic Door Strip and Weather Strip
Specially adapted for cold climates and takes the place of the inner window.
HELMS & HELMS, 148-50 Willow St., PHILADELPHIA.

Standard Paint & Varnish Works Limited
Makers of High Grade Varnishes, Japans, Paints, Colors & Enamels.
Windsor, Ont.

When placing your order for

WRAPPING PAPERS

place it with these mills and then you will be sure —whether brown or manilla papers—that quality is good—that the paper counts full 480 sheets to the ream—and is full weight always.

—We have a good name for —promptness in all letter orders.

CANADA PAPER CO, Limited

TORONTO and MONTREAL

"BAILEY" BRAND CUTLERY

SURPASSES ALL OTHER MAKES.

WRITE FOR CATALOGUE.



FULLY WARRANTED.

Shears, Scissors, Razors, and Butcher Knives, made by

BAILEY CUTLERY CO., Limited

BRANTFORD, ONT.

Lockerby & McComb

AGENTS IN CANADA

FOR THE

Celebrated P. & B. Cold Storage Lining

AND

. . Ruberoid Roofing . .

P. S.--Prices on Application.

65 Shannon Street, MONTREAL.

CHAS. F. CLARK, President. JARED CHITTENDEN Treasurer.

...ESTABLISHED 1849...

BRADSTREET'S

Capital and Surplus, $1,500,000. **Offices Throughout the Civilized World.**

Executive Offices: Nos. 346 and 348 Broadway, New York City, U.S.A.

THE BRADSTREET COMPANY gathers information that reflects the financial condition and the controlling circumstances of every seeker of mercantile credit. Its business may be defined as of the merchants, by the merchants, for the merchants. In procuring, verifying and promulgating information no effort is spared, and no reasonable expense considered too great, that the results may justify its claim as an authority on all matters affecting commercial affairs and mercantile credit. Its offices and connections have been steadily extended, and it furnishes information concerning mercantile persons throughout the civilized world.

Subscriptions are based on the service furnished, and are available only by reputable wholesale, jobbing and manufacturing concerns, and by responsible and worthy financial, fiduciary and business corporations. Specific terms may be obtained by addressing the Company at any of its offices. **Correspondence Invited.**

—OFFICES IN CANADA—

HALIFAX, N.S.	HAMILTON, ONT.	LONDON, ONT.	MONTREAL, QUE.
OTTAWA, ONT.	QUEBEC, QUE.	ST. JOHN, N.B.	TORONTO, ONT.
VANCOUVER, B.C.	VICTORIA, B.C.	WINNIPEG, MAN.	

THOS. C. IRVING, Gen. Man. Western Canada, Toronto. JOHN A. FULTON, Gen. Man. Eastern Canada, Montreal.

Sausage Stuffer, Lard *and* Fruit Press



8 Sizes *and* Styles

Rapid Grinding *and* Pulverizing Mills

40 Sizes and Styles for Hand and Power



No. 3, $5.00

Bone, Shell *and* Corn Mill



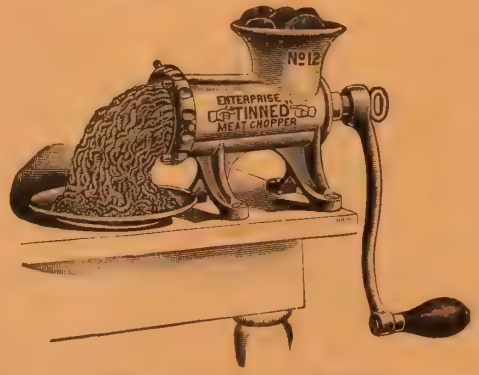
No. 750, $7.50

TRADE **"ENTERPRISE"** MARK

Meat *and* Food Choppers

TINNED

40 Sizes *and* Styles for Hand *and* Power from $1.00 to $300.00



No. 12, - - $2.50

Sold by all *the* leading Jobbers *of the* Dominion

ILLUSTRATED CATALOGUE MAILED FREE

The Enterprise Mfg. Co. *of* Pa.

Philadelphia, Pa., U. S. A.

Meat Juice Extractor



No. 21, $2.50

Raisin Seeder



No. 36, $1.00

Cold Handle Polishing IRON



No. 82, $6.75 per doz.

Est. 1868 — Inc. 1895

Black Diamond File Works

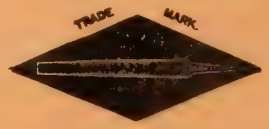
G. & H. Barnett Company

PHILADELPHIA

Twelve Medals



Awarded
By **JURORS** at
International Expositions
Special Prize
Gold Medal at Atlanta, 1895



1902 GARDEN HOSE. 1902

We manufacture the most popular and best selling lines of Garden Hose in Canada. Our "Maltese Cross" brand we confidently recommend as the finest Garden Hose on the market.

We have other grades not quite so expensive, but good reliable brands, viz.: "Lion" (the popular medium-priced hose), "King" "Sun" and "Leader."

Our "Kinkproof" (wire wound) hose is wired by a special process controlled solely by ourselves, and is so constructed that it may be cut at any wind of the wire without loosening or uncoiling, the wire being self-gripping throughout each length.

THE GUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

Head Office and Warerooms—
45-47-49 West Front St.

TORONTO,

Factories—115-165 West Lodge Ave.
124-148 O'Hara Ave.

CANADA.

BRITISH MANUFACTURED

CASTOR OIL

"H. O. M. CO." Brand.

Cold Drawn Pharmaceutical,
First Pressure,
Second Pressure.

From stock and to import. In barrels, and cases—2 tins each. Special prices for import orders.

B. & S. H. THOMPSON & CO.

28 St. Sulpice St., MONTREAL,

CORDAGE

ALL KINDS AND FOR ALL PURPOSES.

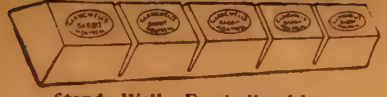
Manila Rope	Lathyarn
Sisal Rope	Shingleyarn
Jute Rope	Bale Rope
Russian Rope	Lariat Rope
Marline	Hemp Packing
Houseline	Italian Packing
Hambroline	Jute Packing
Clotheslines	Drilling Cables
Tarred Hemp Rope	Spunyarn
White Hemp Rope	Pulp Cord
Bolt Rope	Lobster Marlin
Hide Rope	Paper Cord
Halyards	Cheese Cord
Deep Sealine	Hay Rope
Ratline	Fish Cord
Plow Lines	Sand Lines

"RED THREAD" Transmission Rope from the finest quality Manila hemp obtainable, laid in tallow.

CONSUMERS CORDAGE COMPANY, Limited

Western Ontario Representative—
WM. B. STEWART,
Tel 94. 27 Front St. West, TORONTO.

MONTREAL, QUE.



Stands Well. Facsimile of bar.

CANADIAN

HARDWARE AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XIV. MONTREAL AND TORONTO, JANUARY 25, 1902 NO. 4.

POCKET KNIVES

H. BOKER & COS IMPROVED

TREE BRAND

TRADE MARK

RAZORS CUTLERY SCISSORS

FOR SALE BY LEADING WHOLESALE HARDWARE HOUSES.

Lysaght's Black Sheets

"Queen's Head" C.R.C.A.—Highest grade, dead flat.

"Southern Cross" C.R.C.A. — First-class quality, dead flat.

"Southern Cross" C.A.—Same sheets, not dead flat.

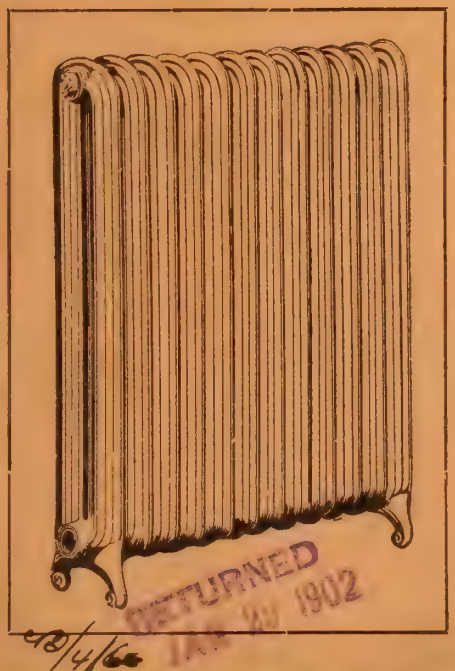
Electrical Sheets, Tack Sheets, etc., etc.

No common sheets made.

JOHN LYSAGHT, Limited, Makers, BRISTOL, ENG.

A. C. LESLIE & CO., MONTREAL, Managers Canadian Branch.

Where "SAFFORD" is



The Safford Radiators are dispensing comfort in every quarter of the globe. Here are a few buildings where they're doing it this very moment:

His Majesty's Theatre, London.
His Majesty's Offices and Works, Birmingham.
His Majesty The Emperor of Germany's Royal Palace, Berlin, Germany.
Institute of Mechanical Engineers, Storey's Gate, Westminster.
Metropolitan Police Headquarters, Scotland Yard, London.
Palace Hotel, Cairo, Egypt.
City Hall, Antwerp, Belgium.
City Hall, Pietermaritzberg, S. Africa.
Exploration Buildings, Johannesburg, S. Africa.

That's only a few of the world's material recommendations for the "Safford."

The "Safford" is a radiator for hot water and steam heating. It's easily handled—made without bolts or packing. If you haven't our catalogue write to us. If you wish to see our representative let us know—we will be with you next day.

THE DOMINION RADIATOR CO'Y, Limited

Head Office, Dufferin St., TORONTO

FELT
WEATHER STRIP
FOR
DOORS AND WINDOWS.

FOOT WARMERS

RICE LEWIS & SON
LIMITED

Cor. King and Victoria Streets. TORONTO.

COPPER
Bar, Ingot, Sheet, Tubing.

Samuel, Sons & Benjamin, London and Liverpool, Eng.

M. & L. Samuel, Benjamin & Co.

General Importers and Exporters and Metal Merchants.

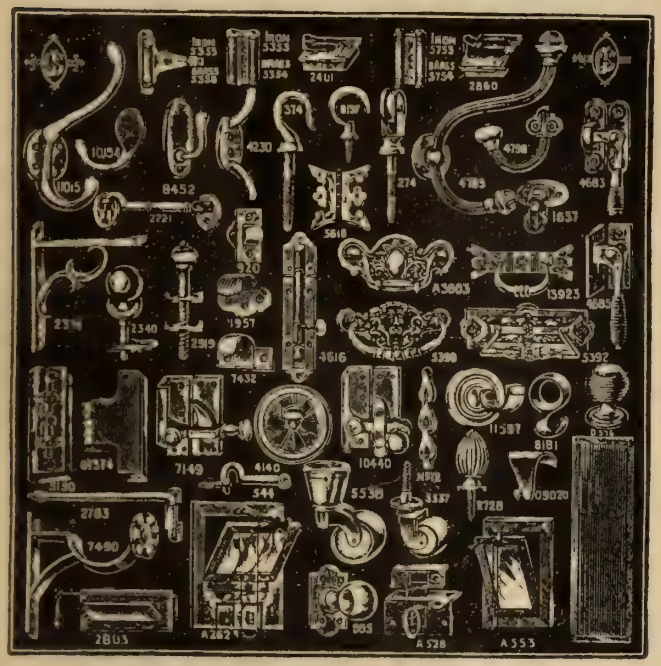
27 Wellington St. West, TORONTO, ONT.

James Cartland & Son

Manufacturers of every description of **Limited**

CABINET, BUILDERS', FURNISHING AND NAVAL BRASSFOUNDRY

BIRMINGHAM, ENGLAND.



London Showrooms: 57 Holborn Viaduct, E.C.

"C.R.Co. Star



RED RUBBER PACKING

FOR HIGH-GRADE WORK

Good Packing **Good Price**

Good Profits **Good Advertising Matter**

Send for samples, prices and advertising matter.

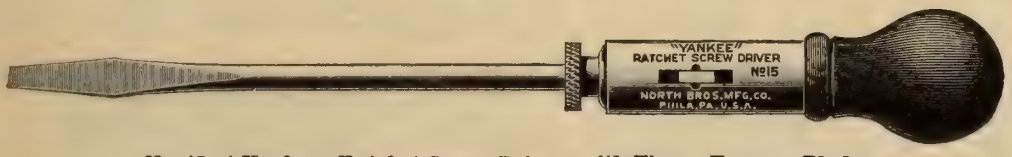
The Canadian Rubber Co.

MONTREAL **TORONTO** **WINNIPEG**

Other Tools are very good Tools, but

"YANKEE TOOLS"

ARE BETTER



No. 15. "Yankee Ratchet Screw Driver, with Finger Turn on Blade.



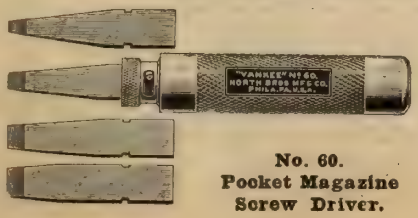
No. 30 "Yankee" Spiral-Ratchet Screw Driver, Right and Left Hand.



No. 41. "Yankee" Automatic Drill," Eight Drill Points in Handle.



No. 50. "Yankee" Reciprocating Drill, for Iron, Steel, Brass, Wood, etc.



No. 60. Pocket Magazine Screw Driver.

Our "YANKEE" Tool Book tells all about them. Mailed free on application. . . . . .

Manufacturers also of

LIGHTNING, GEM and BLIZZARD Ice Cream Freezers.

Toy Freezers, Ice Shaves and Ice Chippers.

Fluting Machines, Hand Fluters.

Sold by Leading Jobbers in Canada.

NORTH BROS. MFG. CO.,

Philadelphia, Pa., U.S.A.



Australasian Hardware and Machinery.

The Organ of the Hardware, Machinery and Kindred trades of the Antipodes.

SUBSCRIPTION $1.25 PER ANNUM,

post free to any part of the world.

PUBLISHING OFFICES:
Melbourne, - Fink's Buildings.
Sydney, - - - Post Office Chambers.
AMERICAN OFFICES:
New York, - Park Row Building.
BRITISH OFFICES:
London, - - - 42 Cannon St., E.C.

Specimen Copies on application.

1902

THE LIGHTING BUSINESS OF CANADA

We are after the lighting business of Canada. We have a liberal share of it already, but we are always open for more. We want 1902 to be a record maker. We have the best lights and our terms and prices are right.



OUR LEADERS

The Cosmopolitan Gas Lamps and Mantles — Up-to-Date American lights, brilliant and durable.

We can sell these goods at lowest manufacturers' prices in Chicago, with duty added. This is a remarkably low price.

The Rochester Lamp — A leader always when oil is used. Central draft, 80 to 400 candle power.

FULL STOCK OF THESE GOODS ALWAYS ON HAND.

Write us for particulars.

THE ROCHESTER LAMP CO. OF CANADA

24 Front St. West, TORONTO.

WE MANUFACTURE THE VERY BEST KINDS OF

PAINT AND COLOR CANS
VARNISH AND OIL CANS
PAINT PACKAGES
ROUND AND SQUARE PAINT IRONS
LYE TINS

Our goods are guaranteed to be reliable, and to give entire satisfaction. Quotations gladly submitted for any quantity.

THE ACME CAN WORKS

Office and Factory: Ontario St. and Jeanne D'Arc Avenue.

Jas B. Campbell. MONTREAL. William Pratt.



Ontario Nut Works, Paris

BROWN & CO.

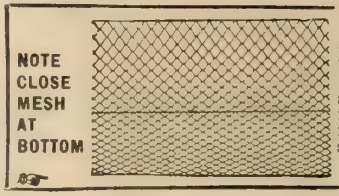
Manufacturers of

All sizes of Hot Pressed Nuts, Square and Hexagon.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker, 13 St. John Street, Montreal

Representing British and American Manufacturers. Correspondence invited from firms wishing to be represented in Canada.



Page Acme Poultry Netting

is close meshed at bottom and does not require rail or board support at edges, having strong straight wire (No. 12 guage) at top, bottom and in centre, cannot sag and is easy to erect. The "Page Acme" netting is of neat appearance, very durable and cheap. We also make farm and ornamental fence, gates, nails and staples. The name of Page is your guarantee of quality.

The Page Wire Fence Co., Limited, Walkerville, Ont. 5

STANYON ENGINEERING CO.

'Phone Main 2177. **402 McKINNON BUILDING, TORONTO**

CONTRACTING AND CONSULTING ENGINEERS.

Steel Works, all kinds of Rolling Mills, Wire Mills, etc., all built complete. Machinery designed for any purpose.

GENERAL OFFICES, - - PITTSBURG, Pa.

H. S. HOWLAND, SONS & CO.

ONLY WHOLESALE — 37-39 Front Street West, **Toronto.** — WHOLESALE ONLY

CROSS CUT SAWS

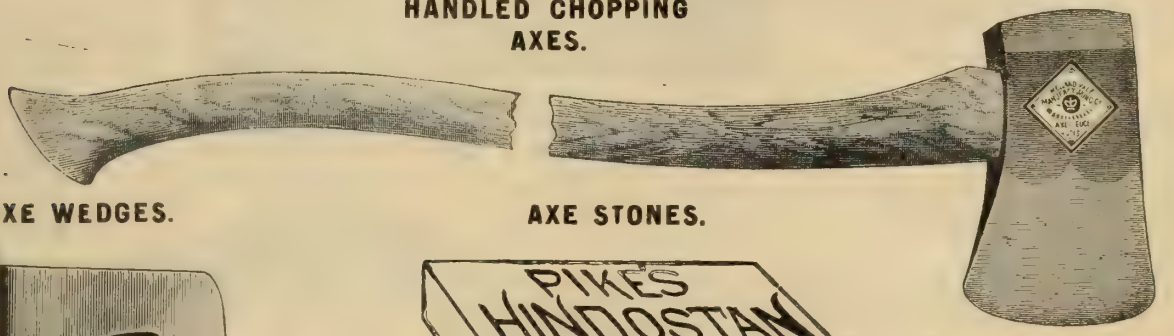


"Triumph"—Henry Disston's Champion Tooth, Narrow Blade.

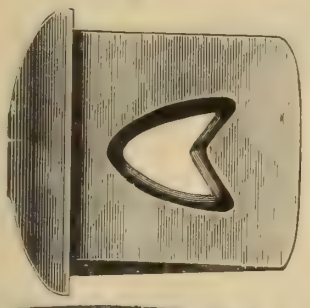


Henry Disston's "Toledo Blade."

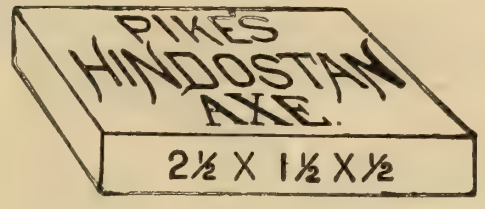
HANDLED CHOPPING AXES.



AXE WEDGES.



AXE STONES.



CHOPPING AXES.



DUNDAS AXE WORKS.
Full Line.



RIXFORD MFG. CO.
Full Line.



WELLAND VALE MFG. CO.
Full Line.

H. S. HOWLAND, SONS & CO., Toronto.

WE SHIP PROMPTLY

Graham Wire and Cut Nails are the Best.
Factory: Dufferin Street, Toronto.

OUR PRICES ARE RIGHT

HENRY ROGERS, SONS & CO.,

SHEFFIELD, ENGLAND

Manufacturers of the celebrated



H R S & C°

BARB and PLAIN

Galvanized Wire

Canadian Office:
6 ST. SACRAMENT ST., MONTREAL
F. A. YORK, Manager.



WRIGHT'S Insect Sprayers

PLAIN TIN,
LACQUERED,
ALL BRASS.

"BEST ON EARTH."

Manufactured by

E. T. WRIGHT & CO.
HAMILTON, ONT., and
MONTREAL, QUE.
J. H. Hanson, Agent, Montreal.

KNOX HENRY

Heavy Hardware and Metal Broker
Room 32, Canada Life Bldg., MONTREAL.



Samples sent free on application.

HORSE NAILS—"C." Brand Horse - Nails
Canada Horse Nail Co.

"BRASSITE" GOODS — Gunn Castor Co.
Limited, Birmingham, Eng.

McCaskill, Dougall & Co
Fine Varnish & Japan
Manufacturers.
Montreal
Price List on application

THE INDEPENDENT CORDAGE CO., Limited,

TORONTO.

Highest Award Pan-American Exposition

MANUFACTURERS OF ALL KINDS OF

SISAL MANILA **ROPE,** Lath Yarn, Shingle Yarn, Hide Cord, Pulp Cord, Clothes Lines. **BINDER TWINE**

Transmission Rope a specialty.



If our lines were not the best, there would not be so many claiming

"As good as DILLON'S"

Headquarters for
"English Steel Scythes,"
Champion Saw Tools,
Axes, etc.

H. & R. SINGLE GUN AUTOMATIC AND NON-EJECTING.

12 and 16 Gauges.
Steel and Twist Barrels.
Superior in Design, Workmanship and Finish, and the most popular Gun on the Market.

Simplest "Take Down" Gun Made.



HARRINGTON & RICHARDSON ARMS CO.
Also makers of H. & R. Revolvers,
Catalog on request. Worcester, Mass., U.S.A.

STEVENS SINGLE BARREL SHOT GUN.

LATEST AND BEST SINGLE GUN ON THE MARKET.

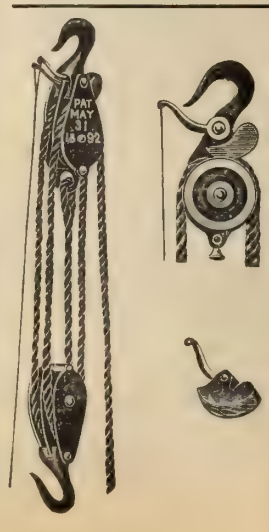


MADE IN THREE STYLES THREE GAUGES UP-TO-DATE.

FINEST SINGLE GUN YET PRODUCED.

Our Goods are Handled by the Leading Jobb-rs.

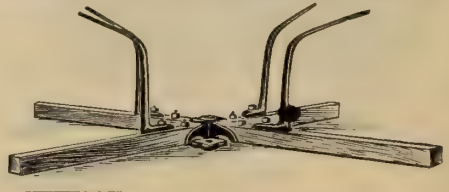
J. Stevens Arms & Tool Co., P.O. Box 217 Chicopee Falls, Mass., U.S.A.



A popular line of goods at popular prices characterizes our product. We only supply the best, and that at right prices.

London Fence Machines, Steel Gates, Wire Stretchers, Wire Reels, Pliers, Diggers,

and all kinds of FENCE WIRE.



SECURE THE BEST.

THE LONDON FENCE MACHINE CO., LONDON, CANADA.

INVESTIGATE OUR LINE BEFORE PLACING YOUR ORDER, 'T WILL PAY YOU.



HURD'S

CHEAPEST ON EARTH.

Remember the brand, "HURD'S."

All steel parts polished.

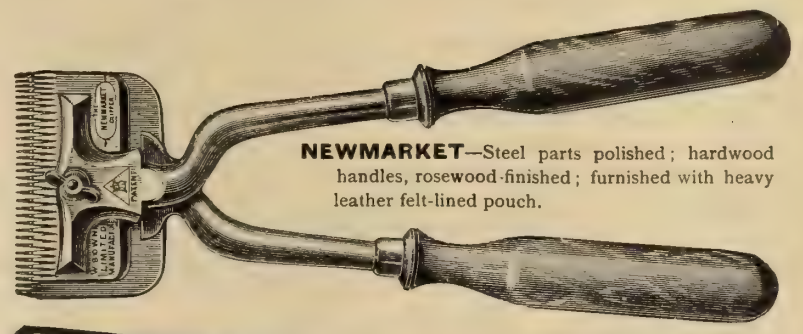
Highly tempered.

Polished hickory handles, brass ferrules.

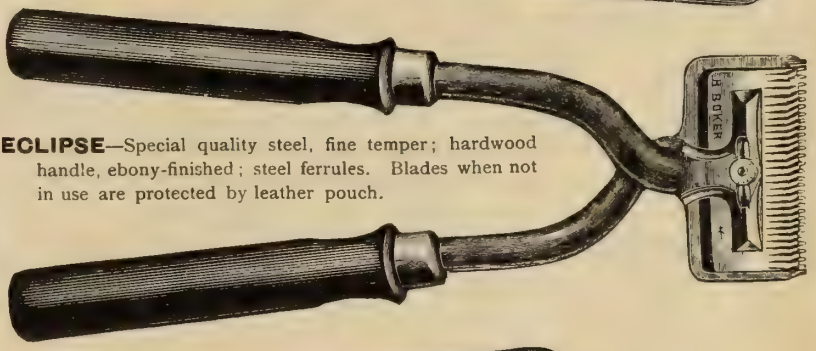
YOUR STOCK IS INCOMPLETE WITHOUT IT.

HORSE CLIPPERS

THE LEADING PATTERNS. **THE POPULAR MAKES.**



NEWMARKET—Steel parts polished; hardwood handles, rosewood-finished; furnished with heavy leather felt-lined pouch.



ECLIPSE—Special quality steel, fine temper; hardwood handle, ebony-finished; steel ferrules. Blades when not in use are protected by leather pouch.



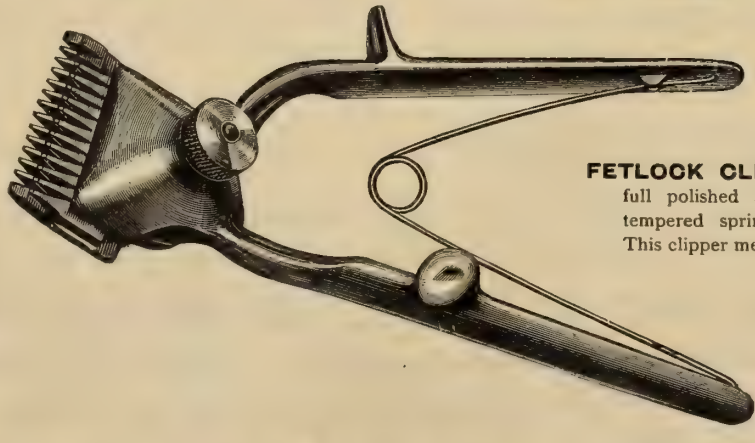
BALL-BEARING, No. 294—Extra temper, extra well finished throughout; hardwood handles, ebony-finished; brass ferrules.

We have unequalled facilities for making

PROMPT SHIPMENTS.

Special attention given to

MAIL ORDERS.



FETLOCK CLIPPERS — Extra quality, full polished and nickel-plated; highly tempered spring; 1¾-in. cutter blade. This clipper meets with a ready sale.

LEWIS BRO'S & CO.

Montreal

"QUICK MEAL" SUMMER STOVES.

The popular warm weather stoves that sell well everywhere ***on their merits.***

It's time you were thinking of them, and sending in orders. The forehanded dealer who can show them first gets the cream of the sales in his locality.

We are sole Canadian agents for these quick-selling Blue Flame Oil and Gasoline lines, and would like your orders as early as is convenient.

Catalogues and full details at your service for the asking.

THE GURNEY FOUNDRY CO., Limited

TORONTO, WINNIPEG, VANCOUVER.

THE GURNEY-MASSEY CO., Limited, MONTREAL.

THE BATTY STOVE & HARDWARE CO.

(SUCCESSORS TO THE COPP BROS. CO., TORONTO)

——Wholesale Dealers in——

STOVES, RANGES, FURNACES, REGISTERS, MANTELS, GRATES, TILES, Etc.

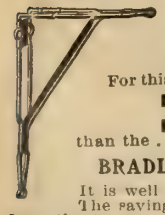
279 QUEEN ST. WEST, TORONTO.

Handling the "NEW HOME RANGE" in 3 sizes, 6 holes, square high shelf, or with reservoir.

The business will be conducted in the future by Mr. W. BATTY, Manager of the old firm.

Specialty made of Stove Hardware.

THE BATTY STOVE & HARDWARE CO.



Will Hold Up a Shelf!

That's what a shelf bracket is for.

For this purpose there can be

NOTHING BETTER
NOTHING CHEAPER

than the ....

BRADLEY STEEL SHELF BRACKET

It is well **Japanned, Strong** and **Light.** The saving in freight is a good profit, aside from the **lower price** at which the goods are sold.

☞ Order direct or through your jobber.

ATLAS MFG. CO., New Haven, Conn., U.S.A.

"THE EMLYN" SAW BENCH

Made in 6 sizes. Best value obtainable. Specially designed for export. With or without "Emlyn" Patent Guard. Sole maker—

CHARLES D. PHILLIPS,

Cables—"Machinery," Newport. Emlyn Engineering Works, NEWPORT, MON., ENGLAND.

BREWERS' ENGINEERING BUSINESS.

ON SALE as a going concern, including plant and very valuable patent rights. Apply H. BOOCOCK, Solicitor, Halifax, Eng. (4)

THE C. G. YOUNG CO.

RUBBER STAMPS

AND SUPPLIES

No. 1 Adelaide Street East - Toronto

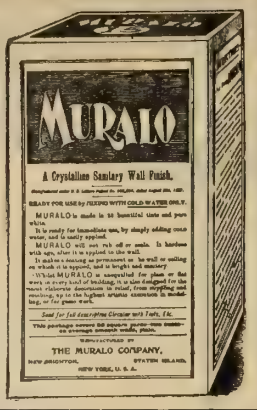
Persons addressing advertisers will kindly mention having seen their advertisement in The Canadian Hardware and Metal Merchant.

The Robin Hood Powder Company

If you want the best Trap or Game load in the world, buy "Robin Hood Smokeless," in "Robin Hood" Shells. It is quick, safe, and reliable. Try it for pattern and penetration from forty to seventy yards against any powder on the market. We make the powder, we make the shells, and we load them. Write for our booklet, "Powder Facts."

The Robin Hood Powder Company

SWANTON, VT.



MURALO THE MONEY-MAKING WALL FINISH

Every dealer will find **MURALO** a favorite for 1902. It is a wall finish ready to go on when mixed with COLD WATER only. It contains valuable properties unattained by any other wall finish in the world. The Muralo Co. is the largest cold water paint and wall finish makers in the world. The Muralo Co. advertises you in a way that advertises your business when they advertise **MURALO.**

WRITE TO

A. RAMSAY & SON, - - MONTREAL
J. H. ASHDOWN, - - WINNIPEG
McLENNAN, McFEELY & CO., VANCOUVER

} Agents

There are twelve Axes that sell well in every dozen of

DUNDAS AXES

Wait for travellers with samples before placing your orders.

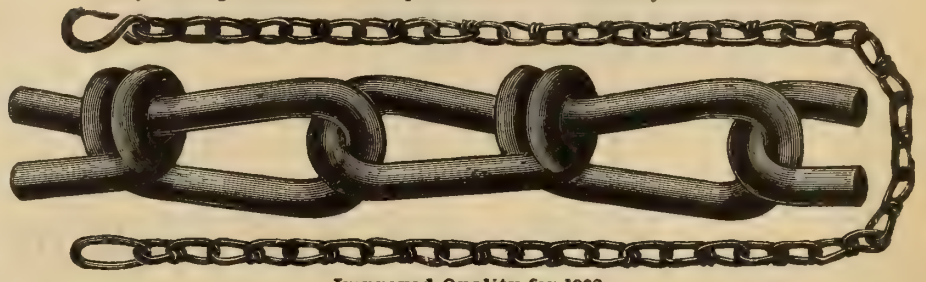


Dundas Axe Works, Dundas, Ont.

W. L. Haldimand, Jr., Montreal, Agent.

IMPROVED STEEL WIRE TRACE CHAINS.

Every chain guaranteed. Most profitable and satisfactory chain to handle.



Improved Quality for 1902.

THE B. GREENING WIRE CO., LIMITED

HAMILTON, ONT., AND MONTREAL, QUE.

ESTABLISHED 1843. **INCORPORATED 1893.**

THE Gurney-Tilden Co., LIMITED

Hamilton, Toronto, Montreal.

AGENCIES :—SAINT JOHN, N. B., VANCOUVER, B. C.

MANUFACTURERS OF . . . . . **LOCKS and BUILDERS' HARDWARE** OF EVERY DESCRIPTION.

Horizontal Rim Knob Latches,
Horizontal Rim Night Latches,
Horizontal Rim Tubular Night Latches,
Horizontal Cylinder Rim Night Latches,
Horizontal Rim Knob Locks,
Upright Rim Knob Locks (Plain and Ornamental),
Horizontal Rim Knob Locks,
Horizontal Rim Dead Locks,
Upright Rim Store Door Dead Locks,
Upright Cylinder Rim Dead Locks,
Mortise Knob Latches,
Mortise Night Latches,
Mortise Dead Locks,
Mortise Store Door Lock,

and with many styles of Door Sets, the newest designs in Bronze and Brass Knobs and Escutcheons. . . . . .

Catalogues, Prices and Discount Sheets CAN BE HAD BY ANY DEALER FOR THE ASKING.

FOR THE STREET



THE TRADE "M&M" MARK LIGHT



FOR THE STORE

What "M & M" Lamps Do.

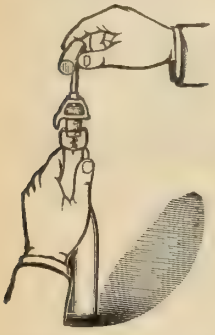
They give a stronger, whiter, steadier light than the electric arc. Operate easily, safely, satisfactorily. Save money—actual 600 candle-power light at a cost of one-half cent an hour. Think of it! Write for circulars, etc. GOOD AGENTS WANTED- Exclusive territory allowed.

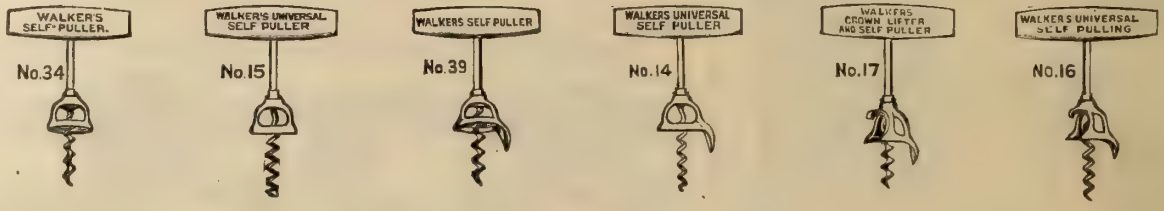
ACORN BRASS WORKS,
Dept. 8, 15-23 Jefferson Street - - CHICAGO, ILL.

What "M & M" Lamps Save.

Barrett Hardware Co, Joliet, Ill., write: "Gasoline and supplies for six "M & M" Lamps cost us $45.46 last year, an average of 60c. a month per lamp. We believe we had as good a light as though we had six electric arc lights at a cost of $360." No wonder that over 30,000 "M & M" Lamps are in use all over the United States and Canada. THEY KILL BIG GAS AND ELECTRIC LIGHT BILLS. It will pay you to investigate. Write for circulars. AGENTS WANTED. Dept. 8, 15-23 Jefferson St., Chicago.

See! You Don't Have to Pull. A Child Can Do It.





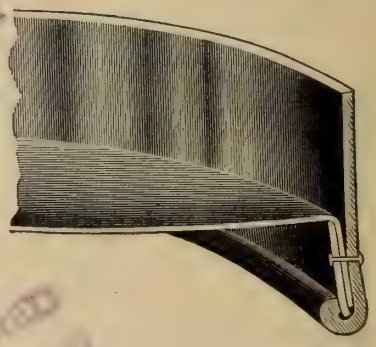
Walker's Self-Pulling Cork Screws

Made of Crucible Steel, Nickel Plated, Polished Apple Wood Handles.

EVERY ONE TESTED AND GUARANTEED. Several imitations on the market, but none as good.

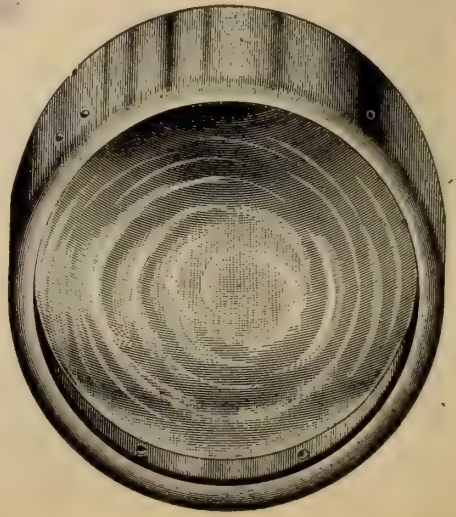
Mfrd. only by **ERIE SPECIALTY CO., Erie, Pa., U.S.A.**

KEMP'S Broad Hoop Roll Rim Milk Can Bottoms



possess all the points which go to make perfection in Can Bottoms. They have been used by a criticizing public for three seasons, and their popularity is evidence of the satisfaction which they gave. The Roll Rim has no sharp turns which break the grain of the metal and lessen its wearing qualities. It has a broad wearing surface and will not damage floors. They do not cost more than an inferior Bottom. **The IRON-CLAD TRIMMINGS** are made the same as the broad hoop, and differ from them only in having a narrower and thicker hoop which does not require the Roll Rim, and, therefore, can be sold cheaper. For durability and finish our trimmings are unequalled.





Manufactured by

KEMP MANUFACTURING CO.,
TORONTO, CANADA.

HARDWARE AND METAL

VOL. XIV. MONTREAL AND TORONTO, JANUARY 25, 1902. NO. 4.

President:
JOHN BAYNE MacLEAN,
Montreal.

The MacLean Publishing Co.
Limited

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P.E. Island and Newfoundland.

OFFICES.

MONTREAL - - - - 232 McGill Street. Telephone 1255.
TORONTO - - - 10 Front Street East. Telephone 2701.
LONDON, ENG. - - 109 Fleet Street, E.C. W. H. Miln.
MANCHESTER, ENG. - - 18 St. Ann Street. H. S. Ashburner.
WINNIPEG - - - Western Canada Block. J. J. Roberts.
VANCOUVER, B.C. - - - Flack Block. J. A. Macdonald.
ST. JOHN, N.B. - - No. 3 Market Wharf. J. Hunter White.
NEW YORK - Room 442 New York Life Bldg.

Subscription, Canada and United States, $2.00.
Great Britain and elsewhere - - 12s.

Published every Saturday.

Cable Address { Adscript, London. / Adscript, Canada.

WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

B.C. MINERAL OUTPUT INCREASES 25 PER CENT.

THE British Columbia Bureau of Mines has just issued a bulletin giving the estimated mineral production in that Province last year. The total value of the minerals produced was $20,713,501, an increase of 25 per cent. over 1900. The gold amounted to $5,600,000; silver, $2,600,000; copper, $5,000,000; lead, $2,000,000, and coal, $4,587,630. The Kootenay contributed about $7,000,000 to the mineral production; Yale nearly $3,000,000, and the Coast districts about $5,000,000.

That there should have been an increase of 25 per cent. over the previous year is surprising, for 1901 cannot be called a favorable year for those engaged in mining in British Columbia. As a miners' journal recently remarked, it has been "a period of marking time."

In the Rossland district the labor trouble has been a severe drawback, to say nothing of the demoralizing influence of the collapse of certain well-known properties whose stock had been boomed to a high figure in the market. The British Columbia Review, published in London, England, in its issue of January 4, said: "It is now proved that the average ore in the Le Roi, War Eagle and Centre Star mines is of too low a value, after deducting the cost of smelting, to leave sufficient profit to make an adequate return on the heavy capitalization of these mines. In the case of the Le Roi, the information published by the old management has proved to have been extremely misleading, and, unless substantial economies are effected both at the mine and smelter, the dividend outlook cannot be regarded as satisfactory. It is now becoming recognized that resort will either have to be had to concentrating the lower grade ores before shipping to the smelters, or else some new method, such as the oil process, must be employed in order to obtain the full benefit of the metal contents of the ores."

The results have not been satisfactory in the Lillooet and Bridge River districts. Operations in the Cariboo country were rather disappointing, although good results are anticipated from certain new gold-bearing creeks that were discovered towards the end of the season.

Owing to the low price of lead and the excessive charges of refiners in the United States, the silver lead mines in British Columbia have suffered a great deal, but relief in this particular is looked for—in part, at least — by the action of the Dominion Government in deciding to give a bounty of $5 a ton on all lead refined in Canada.

While the Atlin district has not been up to expectations, the outlook is promising and the hydraulic companies expect good results this season.

Mining operations in the Boundary country have made excellent progress. With modern machinery and appliances all previous records have been broken, and with improved railway facilities the outlook is most gratifying.

Probably in no part of British Columbia have the results been more gratifying than in East Kootenay. The Crow's Nest coal mines were the scene of a great deal of activity during 1901. As will be noticed from a paragraph printed in another part of this paper, over 400,000 tons of coal were mined and 130,000 tons of coke made. The company have 424 coke ovens at Fernie and 212 at Michel, having in all a capacity of 1,200 tons per day. Some extensive iron deposits have been taken up in the district, and, with the Great Northern Railway in the near future tapping the district, as well as the C.P.R., one may confidently look for a great development in mining operations in East Kootenay, and particularly in the neighborhood of the Crow's Nest mines.

The indispensible man does not usually keep afloat very long. He is dragged to the bottom by the sense of his own importance.

BUSINESS MEN IN PUBLIC LIFE.

ONE of the daily newspapers attributes the defeat of its candidate in one of the constituencies in the recent bye-elections to the apathy of those professing fealty to its particular political party. This may or may not have been the cause of defeat. As a rule party men are not apathetic. It is business men who, as a rule, are weak in this respect.

Although there has been a great improvement during the last few years in this respect, we are still far from the ideal. The signs, however, are by no means discouraging. Lord Rosebery, as our readers are aware, some months ago declared, in a speech now famous, in favor of a government of business men. Mr. Edmund Robertson, M.P., similarly expressed himself in an article which he recently contributed to The Nineteenth Century. It is true that in Canada no statesman of relative importance has come out unequivocally in favor of such a doctrine, but it is significant of the trend of public opinion that if a candidate for Parliamentary or municipal honors is a business man the newspapers supporting him do not miss the opportunity of emphasizing the fact. Even should he, while not a practical business man, have some connection with a commercial enterprise, his friends usually make all they can out of this for campaign purposes.

There is still to be found a daily newspaper here and there that is prone to decry the usefulness of the business man in public life, but, on the other hand, it is common to hear either the Dominion or one of the Provincial Governments spoken of as a Government of business men.

It is evident, therefore, that the principle is making headway, and the more business men recognize that it is the best policy the better will it be, not only for themselves, but for the country as well.

A PRAYER THE GOVERNMENT SHOULD ANSWER.

A DELEGATION from the Canadian Manufacturers' Association is in Ottawa this week interviewing the Government on a number of subjects. One is the occasional recalling of our trade commissioners in order that they might obtain a more thorough knowledge of trade conditions in Canada, and thus be in a better position to intelligently discharge their duties.

Mr. Larke, the commissioner in Australia, is cited as a case in point. He has been away from Canada seven or eight years, and, although he is a man exceedingly well qualified for the position he holds, he must naturally have become somewhat stale as to trade conditions in Canada.

Since Mr. Larke left this country to assume the duties of commissioner in Australia, Canada has developed industrially to an astonishing degree. In no similar period has it been so marked.

Seven years ago our import trade was $110,881,682; now it is $181,257,988; our exports $113,638,803; now $196,487,632, while the total foreign trade was $224,420,485 against $386,903,157 in 1901.

When Mr. Larke left this country the iron industry scarcely had a name. Today Canada has a place among the nations of the world as an iron producer, the product of her furnaces now not only controlling the home market, but having become a factor in the British market as well.

In every phase of manufacturing, in every branch of agriculture, in mining, in financial institutions, there has been a development we believe far beyond the anticipations of the most sanguine of seven or eight years ago. In no branch of industry has the development probably been more marked than in the manufacturing arts. And in regard to no branch of industry is it more necessary that Mr. Larke and other trade commissioners should be well informed. It is to be hoped the Government will, therefore, answer the prayer which the Manufacturers' Association is presenting.

It is not the first time, however, that such a prayer has been presented. The matter has been brought to the attention of the Government more than once during the last year or two. It is to be hoped that there will now be no further delay, and that, as soon as the Parliament of the Australian Commonwealth has finally adopted the new tariff, Mr. Larke will be recalled to Canada for a few months in order that he may not only become acquainted with the trade conditions obtaining in Canada, but that he may be given an opportunity to acquaint exporters in this country with the conditions and possibilities in the antipodes more fully than he can through the medium of the reports which the Department of Trade and Commerce issues monthly.

A light weight in the prize ring may after all be an honest weight.

NEGLIGENT IN THE ESSENTIALS.

A GREAT deal of thought is being given to Canada's military representation at the coronation in June next, but little or no thought is being given to the representation of Canada industrially.

It is quite proper that the military units of Canada should be properly represented. It would be a mistake if they were not. But it is equally a mistake to concentrate our efforts in bringing to the foreground that which represents the arts of war, and, at the same time, neglect that which represents the arts of peace.

Canada is at all times ready to defend her own shores and to render service to the Motherland when occasion demands. But we are not a warlike people. We are an industrial people, and, if an effort is to be concentrated on any one phase of Canadian activity, it should be on that which is most representative of our national life.

It is because in the past we have been negligent in this most essential particular that Canada has often been misrepresented in tableau in Great Britain as the land of frost and snow; for instance, by blocks of ice in a Lord Mayor's show. And even now, as we pointed out a few weeks ago, it is proposed to have Canada represented in the coming coronation proceedings by mountains with snow-covered tops.

At the coronation proceedings will be men and women from every clime under the sun. As an opportunity to represent to many millions of people the varied industrial resources of Canada, it will be great. Not probably for a generation shall we have its equal. And yet if we are active in anything, it is in the non-essentials, while in the essentials we are surprisingly passive.

It seems to us that this is a matter in which the Trade and Commerce Department might concern itself.

NEW IRON MINES AT MICHIPICOTEN

(By W. Frank McClure).

THAT the vast iron resources of the Lake Superior districts of the United States should find their counterpart just across in Canada is not altogether an unlooked-for development. It has been a matter of wonderment in this country that Canada has been so slow to investigate the mineral resources of Algoma, in view of the favorable topography of the land, and the existence of the great ore bodies as near as Minnesota and Michigan.

To-day, the same capital from the United States that is building up the giant industries about Sault Ste. Marie, including the water-power canals, is opening rich mines at Michipicoten. This will result in Canada becoming the location of her own steel and iron industries. Already this evolution is rapidly progressing, and the Midland, Hamilton and Buffalo furnaces are using ore from the Helen mine, the first of the newly-discovered properties. The new steel mill at the Sault Ste. Marie, when completed, will use the Canadian product exclusively, and four vessels of The Algoma Steamship Co. are bringing Helen ore to Ohio ports, from whence it reaches the Pittsburg furnaces. Some 350,000 tons have already been shipped to the United States at a profit in spite of the duty of 40 cents a ton.

For shipping the product of these new mines a harbor with extensive dockage has been established at Michipicoten, 12 miles from the Helen mine, and about 130 miles from Sault Ste. Marie.

The Helen iron mine is situated on Boyer Lake. The ore deposit has been exposed to the extent of 28,000,000 tons, and the limit has not yet been found in two directions. The Josephine mine, more recently opened, is in the same belt, but on Park Lake. This mine is also very promising. Then there are the Frances and Brotherton mines on the same range. The output of the new Canadian mines is about 5,000 tons daily, but this will be greatly increased next season. The mining facilities are of the best.

Mr. E. V. Clergue, a brother of Francis H. Clergue, the promoter of all the giant industries in Algoma, is in charge of the ore mining. He found, early in the mining operation, that the bulk of the ore taken from the Helen mine contained an average of about 61 per cent. metallic iron and 0.08 phosphorus; also that at the point where the ore body comes to the lake a Bessemer ore is found running as low as .02 to .03 per cent. in phosphorus and in sulphur from a trace to .05 per cent. The ore has a high grade in the market, also, on account of its low percentage of water.

The following from a report of Dr. Bell, of the Canadian Geological Survey, concerning the Helen mine, is comprehensive: "The ore is a hard, but somewhat porous or spongy, red hematite, with a specific gravity of about 5. The ore body, from which a layer of muck or peaty moss has been removed, forms a point dividing the head of the lake into two small bays. It has a lumpy surface, with a dark bluish-grey color. Small quantities of brown hematite (limonite) and yellow ochre appear in joints and cavities, but they do not form any appreciable portion of the mass.

"The horizontal dimensions of the exposed ore are about 500 feet in every direction, and its greatest height above the lake is 100 feet. The ground rises steeply all around the head of the lake, so that the ore lies at the bottom of an amphitheatre, open on the west or lake side. A drift has been run at the level of the general surface of the ore, southward into the hill, and this penetrates similar hematite for 250 feet, thus giving a known breadth of about 750 feet from north to south. During the winter of 1899-1900, by taking advantage of the ice on the lake, a number of holes were bored in the bottom along a north and south line, which passed the extremity of the point of ore at a distance of 250 feet to the westward. On this line and abreast of the point the lake had a depth of 100 feet, including 10 feet of soft mud, and at 150 feet below the bottom, where the boring ceased, the drill was still in hematite, like that on the dry land. A bore-hole from the surface of the exposed ore was sunk to a depth of 188 feet below the level of the lake without reaching the bottom of the hematite. The ore-mass has thus been proven to have a continuous depth of 300 feet, and as this follows the plane of the bedding, which is vertical, the probability is that the depth is very much greater. The general strike is parallel to the axis of the pond, which is about east and west. The railway approaches the mine from the west along the foot of the hill on the south side of the lake."

It has been figured by experts that at a shipment of 3,000,000 tons a year it would require a decade to exhaust the ore above ground at the Helen mine. Mining men from Minnesota are taking a great interest in the new territory. They are of the opinion that the deposits there are equal to those of Minnesota.

At Michipicoten harbor, vessels are loaded with ore at the rate of 1,000 tons per hour. Each ore pocket has a capacity of 50 tons. In all there are 500 feet of chutes, and more building.—Scientific American.

COAL AND COKE AT FERNIE, B C.

It is only a short time ago since Thos. R. Stockett was appointed manager of the coal mines at Fernie, B.C., but under his supervision their output has been increasing almost daily during the last three months. The estimated output for the whole of the year 1901 amounts to over 400,000 tons of coal and 130,000 tons of coke. Their 424 coke ovens at Fernie, and 212 at Michel, have altogether a capacity of 1,200 tons of coke every day in the year. At Fernie, about 1,800 tons of coal are daily mined, while at Michel, the output is not so great, being 500 tons every 24 hours. At the Coal Creek (Fernie) Mine, nearly 1,100 men are kept at work in connection with the mine and the ovens, while 250 are employed at the mines at Michel and 200 more at Morressey. These workmen altogether receive about $100,000 in wages every month.

THE UNITED STATES STOVE COMBINATION.

The American Stove Co., which is a consolidation of a number of important manufacturers of gasoline and oil and gas stoves, and which has an authorized capital stock of $5,000,000, has elected the following officers: President, C. A. Stockstrom; First Vice-President, Geo. M. Clark; Second Vice-President, D. A. Dangler; Third Vice-President, F. L. Alcott; Secretary, H. J. Trenkamp; Treasurer, Geo. F. Fiske. The executive committee consists of C. A. Stockstrom, F. L. Alcott, George M. Clark, H. J. Trenkamp, D. A. Dangler, E. H. Stockstrom and George F. Fiske.

Following is a list of the new companies taken over by the combine: Ringen Stove Co., St. Louis; Quick Meal Stove Co., St. Louis; George M. Clark & Co., Chicago; Schneider & Trenkamp Co., Cleveland; Standard Lighting Co., Cleveland; Dangler Stove and Manufacturing Co., Cleveland; National Vapor Stove and Manufacturing Co., Lorain, O.; Monarch Stove and Manufacturing Co., Mansfield, O., and The Twin Burner Vapor Stove Co., St. Louis.

THE LINSEED OIL QUESTION

Editor "Hardware and Metal."—I notice by an issue of "Hardware and Metal" that a correspondent of yours in Montreal takes you to task for having said that some oils imported to this country were not of the best quality. In confirmation of this statement which you have made, we might ask your correspondent if he is not aware that there are quotations made in England for oil produced from seed imported from British India, and that other quotations are made for oil at less rate, from £5 to £10 per ton less?

As these facts are known to the trade, some have been investigating to learn the causes for this difference in price, and the explanation received is that oil produced from seed from the Argentine Republic is not always equal to the oil produced from seed imported from British India and other British possessions.

The British blue books show the import of seed to Great Britain in the year 1900. Flaxseed was imported into England from foreign countries amounting to 891,422 quarters—a quarter being 416 pounds. The total amount imported from British possessions for the same year was 774,609 quarters, the largest bulk of seed coming to England from what is called foreign quarters comes from the Argentine Republic, and is known as La Plata seed.

Some British crushers, who have been interviewed in regard to the product they send to Canada, which receives the British preferential clause of the tariff, have said in reply that when crushing seed they are compelled to mix from 60 to 70 per cent. of Indian seed with La Plata seed to make the cake or oil of the quality they desire. Indeed, they say that in England they have great trouble in disposing of the La Plata oil pure and simple. As the oil imported to Canada from Great Britain comes very largely in the months of May, June and July, and as La Plata seed arrives in England in January, February and March, it is claimed that a very large portion of the oil coming to this country is pressed from La Plata seed. The oil made in England from La Plata seed must be sold somewhere, and as English manufacturers and dealers do not care for it, Canada gets the large share of it.

With this evidence before you, I am not surprised that you have drawn the conclusion that some of the oil imported into this country from England is certainly inferior to oil produced in Canada, and think you were quite justified in calling the attention of the trade to this matter.

DEALER IN CANADIAN OIL.

NEW YORK METAL MARKET.

TIN.—There was a further advance in prices on spot tin to-day, notwithstanding the recent large arrivals and lack of important business. The consuming demand is light at present and speculative interest is almost wholly lacking. In London there was more business than on any day for several weeks past, chiefly in futures, and the closing prices there showed a further advance of £2 on spot and £1 12s. 6d. on futures. The rise in the New York market has not been in proportion to the advance on the other side for the reason, it is said, that in spite of the efforts of the bull operators, who are credited with manipulating both markets for their own purposes, the large supplies on dock, coupled with dull trade, act as a drag on the upward movement here. The closing quotations in this market were 24c. bid and 24.50c. asked for spot and January, 23.50 @ 24c. for February and 23 @ 24c. for March. The Singapore quotation, as cabled to-day, showed a further advance of £1, being £103 10s. c.i.f. London. It was reported that to-day's purchases of futures in London were made by the principal operators here with a view to protecting this market.

COPPER.—The Lake companies are reported to be making large sales at 11c., but the orders coming in are not large, as the principal buyers are said to be still well supplied and can afford to hold off for further developments. Electrolytic is quoted at 10⅞ @ 11c. and casting at 10¾c. The London market eased off a little this morning, but stiffened up later, regaining the loss on spot before the close, which was at last night's figures. Futures were 2s. 6d. lower than last night, but 2s. 6d. better than this morning. The recent advance in London and to-day's firm close there have been without influence on this side.

PIG LEAD.—The London market continues to advance, closing 2s. 6d. above yesterday and 7s. 6d. higher than a week ago. In this market business is slow and prices more or less nominal on the basis of 4c. for lots of 50 tons or over. In St. Louis the market was steady but quiet at 3.90c.

SPELTER.—The market is flat with 4.35c. quoted nominally on spot and January, and 4.30c. on February. St. Louis was dull and easier at 4.12½ @ 4.15c. London was unchanged.

IRON AND STEEL.—Developments in the iron and steel trades are not of importance and are along the lines followed for some time past. While the continued scarcity of pig iron on the spot makes it practical for those who have any to demand and get their own prices for it, there is said to be little probability that a further general advance in prices will result from the present condition of supply and demand. Concerning this phase of the situation the Philadelphia correspondent of The Metal Exchange says there is a considerable divergence of opinion, but that the majority consider that further advances would be unwise. He says that such advances would tend not only to a large increase in production, but also do something to encourage imports. "Of course," he adds, "the market could take a great deal of iron during the next six or eight weeks, but with a return to normal conditions as regards coke and transportation, it is highly improbable that the present stringency will continue."

TINPLATE.—The market has a quiet and tame appearance, though it is understood that the larger consumers are contracting for about the usual quantities taken by them during the first six months of the year.—N. Y. Journal of Commerce, January 22.

BRITISH STEEL CONSOLIDATION.

THE London Statist devotes considerable space to the recently rumored consolidation of British iron and steel companies. It is reported that Guest, Keen & Co., Limited, at Birmingham, South Wales; Bolckow, Vaughan & Co., Limited, of Middlesbrough, On-Tees, and The Consett Iron Co., Limited, in Durham, are to be amalgamated.

These three English concerns named are important ones. The capitalization of Guest, Keen & Co. is £3,000,000, or $15,000,000, divided equally into 4 per cent. debenture stock, preferred stock and common stock. Of the preferred stock £120,000 and of the common £350,000 has not been issued. The company was itself a consolidation, taking over The Dowlais Iron Co. and Guest & Co. and The Patent Nut and Bolt Co. The properties taken over included collieries with an output of 1,500,000 tons annually, large iron and steel works and large interests in mining properties in Spain. The purchase price in cash for The Dowlais and Guest & Co. was £1,530,000 and for The Patent Nut and Bolt Co. £1,000,000, payable £200,000 in cash and £800,000 in debenture stock. The Consett Iron Co. was formed in 1864 with a capital of £400,000, which has since been increased to £1,500,000, of which £500,000 preferred and £750,000 common have been actually issued.

The earnings of Guest, Keen & Co. for the year ended June 30 last amounted to £387,065 after payment of all expenses incidental to the formation of the company. This sum, after payments of 4 per cent. for the debenture stock, 5 per cent. on the preferred stock and 10 per cent. on the common stock left a surplus of £260,843, of which £150,000 was carried to reserve account, leaving £110,843 to be carried forward. The earnings of The Consett Iron Co. for a series of years, with the dividends paid, were as follows:

	Profits.	Dividends on common.	Dividends on prefd.
		—Per Cent.—	
1901.....	£575,088	8	50
1900.....	672,585	8	50
1899.....	433,900	8	33 1-3
1898.....	772,884	8	20

Before paying these dividends the company wrote off for reconstruction of works £50,000 in 1901, a total of £225,000 for the three years. The surplus on June 30, 1901, showed undivided profits of £134,768 and a profit and loss balance of £180,088.

It will be now recalled that Mr. Arthur Keen, chairman of Guest, Keen & Co., with Windsor Richards, another director, visited the United States early in 1901 and inspected various plants of The United States Steel Corporation. It was suggested at the time that The United States Steel Corporation was expecting to acquire interests in some of the British companies. It was also reported that these gentlemen were given an insight into the workings of The United States Steel Corporation in order to facilitate the floating of a part of the stocks of the company in London.

WHERE FURS ABOUND.

AT the ancient trading post of The Hudson's Bay Company at Edmonton you are away from the modernity of the new town, and are conscious of a certain atmosphere of historical romance. From the front of the massive whitewashed buildings, which have more than once been attacked by hostile foes, you have a fine prospect of river, and woodland, and fertile plains, stretching away to the blue distance. The Saskatchewan runs in a deep gorge below you and on the farther bank there is a diversion of outline and foliage that is very delightful. But I don't suppose the Hudson's Bay people used to think much of the beauty of the scenery in the midst of which their trading post happened to be situated. Their eyes were set on the "main chance" rather too intently for that. When the Indian came for a sack of flour they stood his gun upright and made him pile skins up to its muzzle from the ground as the price of it. Well, of course, it had taken considerable trouble to get the flour there and there was no competition.

The fur trade is still pursued at Edmonton, and on the main streets one sees more than one sign on which is painted on legible letters: "Furs bought here for cash." Bears are to be seen occasionally within a few miles of the town, and it was not long ago that a Galician farmer of the neighborhood, seeing a cub roaming near his shack, fetched his gun and fired at it. Thereupon its mother appeared and ran at him viciously, open-mouthed, and wishful to tear his vitals. The man, having powder, but no more slugs, felt that a Galician's house is his castle, and retiring therein, barricaded himself as well as he could. Till the day broke the she bear clawed all over the place in the endeavor to get at him. But the daylight enabled the farmer to find a couple more slugs, with which he despatched his assailant, afterwards coming up to Edmonton triumphantly with her skin and that of the cub for sale. Only the other day a bear was seen by a townsman prowling around his back yard, though it decamped with rapidity, warned, apparently, by the increasing daylight and by the noise the Edmontonian made in opening his back door, that the environment was unsuitable for an animal of its type. If you go 40 or 50 miles north or northwest you may "load for b'ar" with reasonable hope of bagging a specimen. Other fur-bearing animals are correspondingly numerous, and many a Mooswa and his companion roam in the vast wilderness.—Calgary Correspondence Mail and Empire.

WIRE NAILS
TACKS
WIRE

Prompt Shipments

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

GLASS-BENDING PLANT FOR CANADA.

THE art of glass-bending is one which, of past years, has been rather behind the times, so far as Canada is concerned, the imported article being largely required to fill the demand. The Toronto Plate Glass Importing Co. have lately changed the aspect of affairs, however, by installing a large and most efficient bending plant sufficient to supply all the bent glass required in Canada for some time to come, and at greatly reduced prices. The plant, which cost several thousand dollars, is established in connection with their business and is the only continuous oven, as far as we are aware, in Canada. Heretofore, any glass-bending that has been done has had to be attended to in box ovens, which require to be shut up during the operation and until the heat is out of the oven. The continuous oven of The Toronto Plate Glass Co. permits not only of the glass being removed as rapidly as it is bent, thus giving place to more, but also by much more satisfactory work being done, as the process can be watched in all its stages and the glass kept perfectly straight and true, doing away with the possibility of much of it being destroyed, as in the box-oven process.

The Toronto Plate Glass Co. are prepared to supply bent glass for shop fronts, houses, furniture, showcases and all other purposes where it is required. An advertisement of the company on page 17 of this issue gives an interesting illustration of several difficult bends of glass, together with wholesale prices of bent and all kinds of glass for the hardware trade.

Don't waste your energy

in pushing "cheap" paint. It means hard, up-hill work, without bringing lasting returns.

The same amount of energy put into pushing

THE SHERWIN-WILLIAMS PAINT

will bring in more money and build up a lasting trade.

It's harder work to sell poor paint than good paint—because you have to keep after new customers all the time. The man who buys poor paint once won't buy it again—you can't fool him twice.

We want you to know all we have to tell you about *S-W. P.* and our methods of selling it, and how it is a better investment than a stock of poor paint.

Send for the "B-13 Booklet." We tell most of our story in that.



THE SHERWIN-WILLIAMS CO.

PAINT AND VARNISH MAKERS.

CHICAGO, NEW YORK, CLEVELAND, NEWARK, MONTREAL, BOSTON, TORONTO, SAN FRANCISCO. KANSAS CITY.



FAVOR TARIFF REVISION.

AT a meeting of the Brantford, Ont., Board of Trade on January 14 there was considered the question of tariff revision, which resulted in there being submitted and carried unanimously the following resolution :

That in view of the present conditions of trade and the expansion of Canadian industries, it is highly desirable that the Government revise the present tariff, with a view to the preservation of our markets against unfair competition, thus assisting to maintain and increase our present industries and to establish new ones.

This was moved by C. H. Waterous, who pointed out that the aim of all Canadians was, or should be, the preservation of Canadian markets for Canadians, and seconded by F. Leeming, who maintained that our Canadian tariff should be framed in the same spirit as our neighbors to the south framed theirs.

H. Cockshutt supported this, as did also Lloyd Harris, who stated that Canada last year sent to the United States $80,000,000 less of goods than she received from them.

Several others also took part in the discussion, and a clause was added to the effect that copies should be sent to the Premier, Minister of Finance, Minister of Customs and Mr. C. B. Heyd, M.P.

INDUSTRIAL GOSSIP.

Those having any items of news suitable for this column will confer a favor by forwarding them to this office addressed to the Editor.

THE management of the Grand Trunk Railway have decided to have a double track all the way from Chicago to Montreal. Of the 335 miles between Chicago and Port Huron, 161 are already double tracked, as is also a large portion of the Canadian system. On 78 miles between Durand and Battle Creek work is now being prosecuted, in the completion of which is necessitated the construction of 12 new bridges. From Port Huron to Montreal the greater portion is already double tracked. In the western end, 81 miles between Port Huron and Durand and 51 miles between Chicago and Sedley, Ind., of double tracks are now in operation, while work is being pushed rapidly on 30 miles between Stillwell and Grangers, Ind. The equipment will also be added to, and already eight huge new freight engines have been put on the routes.

At Grand Forks, B.C., the company working the Granby mines have just installed a set of converters which are working very smoothly, the product being blister copper, in which the gold and silver value has been retained. The precious metals are extracted by further treatment in an eastern refinery. The Granby company, from the matte from its own furnaces and that from the Hall mines and Greenwood smelters, will produce 12,000 tons of blistered copper monthly, or 24,000,000 lb. per year, exclusive of the gold and silver value the product may contain.

EXPERTS IN CONSTRUCTION WORK.

An advertisement of the Stanyon Engineering Co., Pittsburgh, Pa., on page 2 of this issue will be found of interest. This firm, which has already secured several important contracts in Canada, including the equipment of the Cramp Steel Co.'s big new works at Collingwood, Ont., has opened an office in Toronto for the purpose of looking after their Canadian business. They are prepared to furnish estimates for all kinds of engineering and construction work, the equipment of rolling mills, wire mills, etc., and the building of all classes of machinery.

BOARD OF TRADE MATTERS IN OTTAWA.

THE annual meeting of the Ottawa Board of Trade was held on January 14 when the president's report was read, stating that there was a total membership of 235, and that the average attendance at the eight meetings of the board held throughout the year was 34.5.

The report of the cheese committee showed that the quality and quantity of cheese made last year was fairly satisfactory, although the latest number of factories listed might be better.

The tourist committee are doing good work, especially in the obtaining of more space in the advertising literature of the C.P.R. and Grand Trunk.

A resolution was submitted on behalf of the Trade Congress committee by Thos. McFarlane favorably commenting on the coming trade conference at London between Australian and Canadian representatives, and stating that the Ottawa board is in favor of a Customs union between the various colonies of the Empire, that a uniform duty over their ordinary tariffs might be levied on all importations from countries outside the union, the proceeds to be devoted to some common object, such as Imperial defence.

The following are the officers elected for 1902 :

President—John Coates, acclamation.

First vice-president—John R. Reid, acclamation.

Second vice-president—Geo. S. May.

Treasurer—C. A. Douglas.

Council—C. J. Booth, F. H. Chrysler, Geo. F. Henderson, A. W. Fleck, G. B. Greene, D. Murphy, John McKinley, G. L. Orme, R. W. Shannon, P. Whelan, J. W. Woods and George Burn.

Board of Arbitration — Thos. Askwith, N. A. Belcourt, J. R. Booth, W. Borthwick, Fred Cook, H. K. Egan, D. M. Finnie, J. M. Garland, R. M. McMorran, G. H. Perley, P. D. Ross, C. C. Ray.

BOUGHT A STEAMER.

A first-class side-wheel steamer has been purchased by the Algoma Central Steamship Line, which will be placed with the opening of navigation on the route between Toledo and Sault Ste. Marie, via the Canadian shore and the north Manitoulin Channel, giving a service of two trips per week. The steamer has a cabin capacity of 500 passengers, will carry 500 tons of freight, and has a speed of 16½ miles an hour.

The merchants of Elgin, Man., have agreed to close their respective places of business at 7 o'clock every evening of the week, excepting Saturday, until further notice.

A GOOD AIM

In manufacturing **SINGLE GUNS** it is a **GOOD AIM** to make the **GOOD BETTER**, and with that end always in view, to keep everlastingly at it.

It is an Aim which is responsible for the universally recognized excellence of

Iver Johnson Single Guns.



Semi-Hammerless. Trigger Action. Automatic Ejector or Non-Ejector.
12 and 16 Gauge. 30 and 32 Inch Barrel.

Send for Gun Literature.

IVER JOHNSON'S ARMS & CYCLE WORKS,
FITCHBURG, MASS.

New York Office—
99 Chambers Street.

Zanzibar Paints

We do not say "there are no other good paints"; we do not have to sell our paints in that way, but we do say **ZANZIBAR PAINTS** in point of service and appearance are unequalled. Do you carry them in stock? You should. Write for our "Terse Talks."

THE ZANZIBAR PAINT CO., Limited - - Toronto, Can.

BRUSHES, BROOMS, WOODENWARE, ETC.

Our Representatives

are now on the road with full lines of samples and revised prices, and will soon be with you. It will be to your advantage to await their arrival, as they have with them the best values on the market in our lines.

UNITED FACTORIES, Limited

Head Office, TORONTO.

OPERATING
Boeckh's Toronto Factories,
Bryan's London Factories,
Cane's Newmarket Factories.

RICHARD JOHNSON, CLAPHAM & MORRIS LIMITED, MANCHESTER AND LIVERPOOL, ENG.

CABLE ADDRESS—"Metallicus," Manchester.
CODES USED—ABC, AI, Liebers and Private Code.

Manufacturers and Metal Merchants

GALV'D SHEETS
GALV'D CANADAS
BLACK SHEET IRON
BLACK CANADAS
Range & Furnace SHEETS

TINPLATES, TERNES
TINNED SHEETS
PIG TIN, PIG LEAD
WIRE NETTING
GALV'D BARB WIRE



WAREHOUSE LEVER STREET

MONTREAL OFFICE:
Messrs. Copland & Co., Imperial Buildings.

HALIFAX OFFICE:
Messrs. Grant, Oxley & Co., 68 Bedford Row.

BOARD OF TRADE NOMINATIONS.

THE meeting of the Board of Trade of the city of Toronto to nominate officers to be elected at their annual meeting was distinguished by an event of unusual occurrence, the official farewell given to Edgar A. Wills, who for upwards of 20 years has been secretary of that institution, but is now leaving to fill a more lucrative and more important post at Windsor.

As soon as the regular business was over, Mr. A. E. Ames, the president and also president-elect, in a very fitting speech presented Mr. Wills with a beautifully illuminated address expressing their regret at his severing his connection with the board. Accompanying this was a purse containing a good round sum of money.

Speeches complimentary and expressing regret were made by a number of others which were fittingly replied to by Mr. Wills. The proceedings were closed by three ringing cheers and the singing of "For He's a Jolly Good Fellow."

The nomination of officers was then proceeded with as follows: Elected by acclamation—President, A. E. Ames; first vice-president, J. F. Ellis; second vice-president, J. D. Allan; treasurer, E. R. Wood.

Nominations for Council:—Messrs. J. W. Woods, H. N. Baird, T. G. Brough, R. J. Christie, Noel Marshall, Edward Gurney, W. A. Warren, Miles Vokes, W. J. Gage, A. E. Kemp, M.P., W. F. Cockshutt (Brantford), Peleg Howland, C. J. Marlatt (Oakville), J. L. Spink, C. W. I. Woodland, P. R. Miller.

Nominations for Board of Arbitration:—Messrs. Hugh Blain, Alex. Cavanagh, Col. Davidson, D. O. Ellis, M. C. Ellis, Thomas Flynn, James Goodall, J. C. McKeggie, W. D. Matthews, W. K. McNaught, D. M. Spink, W. Stark, S. R. Hart, W. E. Milner (Brampton), and George H. Baird.

Nominations for Representatives on the Exhibition Board—Messrs. Thos. H. Lee, R. W. Elliot, Thos. Harris, S. E. Briggs, W. P. Gundy, G. H. Gooderham, Geo. Edwards, R. Y. Ellis and John Carrick.

Nominations for Representatives on the Harbor Commission—Messrs. J. T. Mathews, Barlow Cumberland and Geo. A. Chapman.

Ald. McMurrich, C. B. Watts and Geo. Love are the scrutineers who will count the ballots at the annual meeting.

THE CHANGE IN TURPENTINE.

This week advances of considerable proportions have taken place in turpentine, so now it is 7c. higher than last week and 9c. more that it was the week before. Prices are now being quoted for the cities of Toronto, Hamilton and London at 67c. per gal. of 8 4-10 lb. for one bbl., or 66c. per gal. for 2 to 4 bbls. Quantities of 5 bbls. are left open. To outside western points the price is 1c. per gal. more, the freight being allowed. The terms are net 30 days.

For less quantities than 1 bbl. 5c. per gal. extra will be charged to all points, and 50c. each for 5-gal. and 70c. each for 10-gal. cans extra will be charged. The terms in this case are four months, and f.o.b. at place of shipment.

A NEW STOVE FIRM.

The Batty Stove & Hardware Co., 279 Queen street west, Toronto, have succeeded to the wholesale business in stoves and ranges formerly conducted there by a branch of The Copp Bros. Co., Limited, Hamilton.

Wm. Batty, who has been with the old firm for the past eight years, has accepted the position of manager of the new company. Under his direction they are extending their wholesale trade which has been previously confined to Toronto and other centres.

The chief line which this firm is carrying is the "Home Range," which they have in three grades, and also the "Garland."

They make a specialty of stove repairs to the jobbing trade and are carrying a full line of hot-air registers for furnaces. They also extensively handle mantels, grates, tiles, etc.

TURPENTINE AND ROSIN.

AN increase of almost 192 per cent. in the capital invested in the turpentine and rosin industry and of 152 per cent. in the value of the products therefrom is shown in the census report on the manufacture of those products in the United States. The report shows a total capital of $11,847,495 invested in the 1,503 establishments reporting for the country. This sum represents the value of land, buildings, machinery, tools and implements, and the live capital utilized, but does not include the capital stock of any of the manufacturing corporations engaged in this industry.

The value of the products is returned at $20,344.888, to produce which involved an outlay of $778,694 for salaries of officials, clerks, etc., $8,393,483 for wages, $476,171 for miscellaneous expenses, including rent, taxes, etc., and $6,184,492 for materials used, mill supplies, freight and fuel. The total product of the spirits of turpentine in the United States during the year 1900 was 754,470 bbls., of which 461,227 were received at the principal ports for distribution, leaving 293,443 bbls. as the amount shipped direct from the distilleries to internal points of consumption.

The total value of turpentine and rosin products consists of $14,960,236, the value 754,670 bbls. of spirits of turpentine; $5,129,268, the value of 2,563,087 bbls. of rosin, and $255,385, the value of miscellaneous products, such as tar, pitch, rosin oil, charcoal, refined tar, etc. From the distilation of the 4,033,161 bbls. of crude turpentine by the 1,503 establishments reporting, there resulted 24 per cent. of turpentine, 55 per cent. of rosin and 21 per cent. of other products.

The consumption of spirits of turpentine in the United States is 20,397,588 gallons, or 53 per cent. of the quantity manufactured, and of rosin 193,969 bbls., or 7.6 per cent. The amount of crude turpentine (barrels) gathered and total value by States follows:

	Barrels.	Value.
Alabama	373,005	$2,033,705
Florida	1,212,935	6,469,605
Georgia	1,515,569	8,110,468
Louisiana	20,299	115,324
Mississippi	359,529	1,772,435
North Carolina	361,729	1,055,659
South Carolina	190,095	787,678

THE SHIPPING TRADE OF TORONTO.

ACCORDING to the annual report of Colin W. Postlethwaite, the Toronto harbormaster, recently issued, the total number of vessels entering Toronto Harbor last year was 3,490, and 3,469 for 1900, an increase of 21, and the tonnage for this year being 1,203,593, and the year before 1,109,784 tons, a difference in last year's favor of 98,809 tons.

The cash receipts, including a balance of $10,446.11 carried forward from 1900, were $21,982.77. The expenditures were $15,-863.26, leaving a cash balance of $6,119.51. This is a falling-off from the year before, which was mainly owing to the reduction in the tolls.

During the season, 155,009 tons of anthracite and 28,822 tons of bituminous coal were received, in all being 183,831 tons, which is an increase of 19,025 tons over 1900. According to the Government returns, there were 421,488 tons of anthracite and 364,580 tons of bituminous coal, or a total of 786,058 tons, imported into Toronto last year, as compared with 761,-610 tons for 1900, an increase of 24 458 tons.

This was a poor fruit season, for in 1901 there were only 402,448 packages imported, as compared with 519,540 in 1900, a decline of 117,092 packages.

The following is a comparative statement of the goods brought in for the years 1900 and 1901 :

	1900.	1901.
General merchandise, tons	20,294	24,949
Coal, tons	164,806	183,831
Wood, cords	1,283	.....
Lake stone, toise	2,490	2,595
Fruit, in packages, barrels	5,285	1,795
" " crates	4,709	7,122
" " baskets	508,729	392,267
" " bags	725	821
Firebricks	473,700	46,600
Sheep, hogs and calves	155	.....
Horses, cattle and vehicles	122	93
Oil in bulk, barrels	25,000	23,783
Ice, tons	2,518	6,777

DAMAGED HER BOILERS.

Sandbach, Parker & Co., agents of the Canadian Mail Steamers, were advised by telegram on Monday, that the C. M. S. Orinoco, damage to whose boilers necessitated a delay at Barbados, sailed from Trinidad on Sunday, via the usual islands, for Halifax. The C. M. S. Oruro, which will be here this morning, brings the Orinoco's cargo for this port. — The Argosy, Georgetown, Demerara, January 1.

A CRACK-SHOT SALESMAN.

Among the callers on the wholesale hardware trade in Montreal this week was Mr. Parker, the representative of the Peters Cartridge Co., of Cincinnati, Ohio. Mr. Parker is a crack-shot, and among his methods of working up a reputation for his firm's firearms is by shooting with them at various matches. He has won many prizes.

CATALOGUES, BOOKLETS, ETC.

A SEED CATALOGUE.

THE annual seed catalogue of William Rennie, Toronto, has been issued. This house, which has been established in Toronto for a number of years, carries a full stock of vegetable, flour and grain seeds, and also full lines of dairy supplies, agricultural implements, fertilizers, etc. The catalogue and price list, which is freely illustrated with handsome wood cuts and has a beautifully colored cover, will be sent to any address on application, if you mention HARDWARE AND METAL.

A PAINT FIRM'S CATALOGUE.

A few moments spent in going over the latest 1902 catalogue of A. Ramsay & Son, paint makers, Montreal, is sufficient to reveal the full lines of white leads, colors ground in oil, dry colors, glass, artists' materials, glaziers' diamonds, etc., carried by this firm, who were first established in 1842. They also have always on hand a full stock of brushes and cutlery used in the painter's and glazier's business. Mention HARDWARE AND METAL when you write and you will be mailed a copy of this catalogue.

ROOFING AND CORNICE MANUAL.

"The Roofing, Cornice and Skylight Manual" is a book designed to be of service as a guide and reference, and a shop companion as well, to those following the business of tinsmiths, cornice makers and to young mechanics who are following any or all branches of trade comprehended in this volume. Three articles on as many subjects, "Tin Roofing," "Cornice Work" and "Skylight Construction," are included in it.

The first article, which includes the laying of flat and standing screw roofing, was especially prepared for the book by a first-rate mechanic. The second section forms an extensive treatise on cornice making and equipment adapted for country cornice shops. In the third section are given two articles on skylight design and construction, being the first and second-prize essays, respectively, of a series of competitive articles on the subject.

The book, which is freely illustrated by diagrams and plates, with 172 pages of reading matter, costs only $1.50, and will be sent by the publishers, The David Williams Co., 232–238 William street, New York, N. Y., on receipt of the above amount.

CONDENSED OR "WANT" ADVERTISEMENTS.

Advertisements under this heading, 2c. a word each insertion; cash in advance. Letters, figures, and abbreviations each count as one word in estimating cost.

WANTED.

WANTED TO PURCHASE—Foundry Cupola and Equipment; second-hand preferred. P.O. Box 660, Winnipeg. (4)

FOR SALE.

SHOWCASES, 18-ft. Counter, Signs, Warehouse Truck, Scale, Set of Bolt Drawers, Dry Color Cans, Glass Board and other fixtures suitable for Hardware Store. These were in use only a few months in our branch store and are no longer required. Will sell cheap. J. F. STEVENSON & CO., HAMILTON. (4)

GOOD HARDWARE AND TINWARE BUSINESS and premises in small town, splendid farming locality. No opposition. Excellent opportunity for two live men. Too much work for owner. Apply, Box 76, HARDWARE AND METAL, Toronto. (5)

STOCK OF HARDWARE IN A HEALTHY, growing town in one of the best farming sections of Nova Scotia. Every facility for doing a good and increasing business. Apply HARDWARE AND METAL, Box 74. (4)

SITUATIONS VACANT.

BY A WINNIPEG WHOLESALE HARDware firm, two first-class Hardware Clerks. Must have a thorough knowledge of hardware in all departments. Address applications, stating age, experience, references, married or single, etc., Drawer 1473, Winnipeg. (1-tf.)

SITUATION WANTED.

WANTED — BY YOUNG MAN WITH A thorough knowledge of hardware, a situation as traveller, assistant buyer, pricer, or order clerk. Can furnish A 1 references. Address, "Traveller," care HARDWARE AND METAL, Montreal. (4)

Don't Stand and Wait for Business.



Make it—by using good printing. **1,000 Good White Business Envelopes, any printing, for One Dollar.** 500 Envelopes, 500 Note Heads and 500 Statements for $2.50. Snaps in Stationery.

WEESE & CO., 54 Yonge St., **Toronto.**
Jobbers in Stationery and Novelties.

JONES BROS.

Stove Brick Manufacturers, Fire Clay and Asbestos, Furnace Cement, all kinds of Fire Clay Products made to order from patterns.

BRACONDALE P.O., ONT. (near Toronto.

THE LONDON SCALE WORKS
GEORGE M. FOX
(Successor to John Fox)
Manufacturer of Railroad, Hay and Platform Scales.
91 York Street, LONDON, ONT.

Lace Leather

Send direct to us for the celebrated "NIAGARA" Brand Lace Leather, best produced in this country. Yellow and White in Sides or Cut Strings. Prices and Samples on application.

WOOD BROS.
Tanners of High-Class Leathers,
ST. CATHARINES, ONT.

GLASS BENDING.

WHOLESALE PRICE LIST.

NOVEMBER, 1901.

Plate and Window Glass bent to ordinary sweep like Cut A, not exceeding Cut B, or one-fourth of a circle.

Plate Glass

Not longer or wider than	50 x 40	$0.75 per foot
" "	60 x 40	1.00 "
" "	50 x 50	1.50 "
" "	60 x 50	2.00 "
" "	70 x 50	2.50 "

Sheet Glass

Not longer or wider than	30 x 30	30c. per foot
" "	40 x 30	35c. "
" "	40 x 40	40c. "
" "	50 x 40	50c. "
" "	50 x 50	60c. "
" "	60 x 50	90c. "

Trade Discounts on application.

Prices are for bending only. Glass charged at current prices. Single lights, net list.

Larger sizes, irregular bends, or exceeding above limitations, rough and ornamental glass, special prices quoted on application.

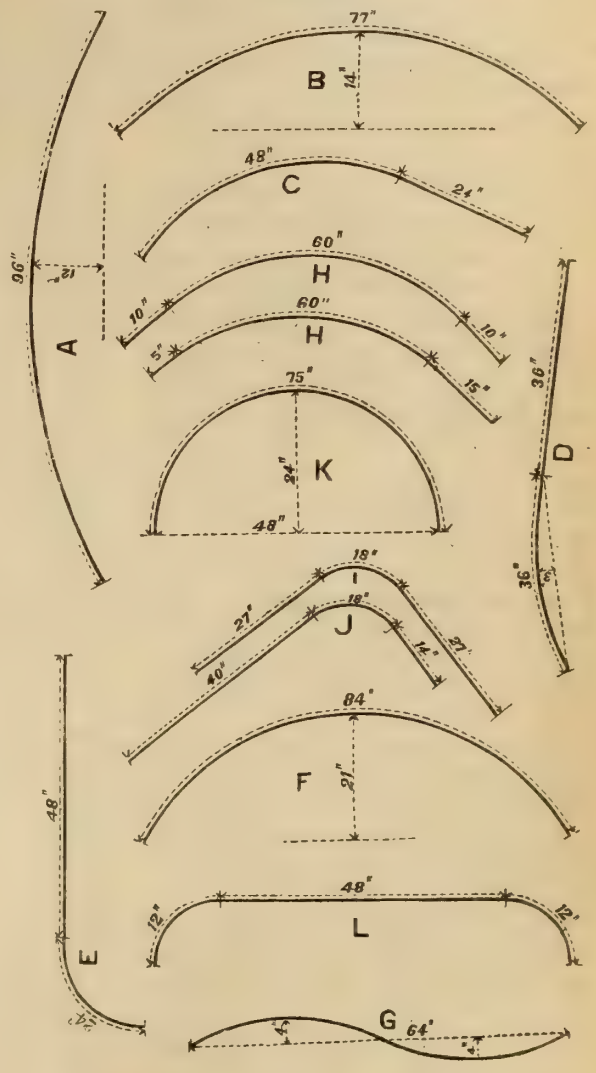
Glass narrower than 12 inches charged as 12 inches wide.

Boxing charged 10 cents per foot on the largest light packed.

Orders exceeding 200 feet one size, special price.

Note—Lights exceeding either limit of length or width, charged at next higher limit.

Refer to these cuts when applying for quotations.



WINDOW GLASS—TO IMPORT.

Prompt Deliveries.

EVERY KIND OF PLATE AND WINDOW GLASS IN STOCK.

Closest Prices.

Toronto Plate Glass Importing Co.,

Hill & Rutherford

Warerooms and Offices—135 to 143 Victoria St.
Bending Works—209 to 213 Victoria St.

TORONTO

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

DUNCAN McINTYRE, general merchant and sawmiller, Clarence, Ont., is offering 30c. on the dollar.

P. Martel, general merchant, Roberval, Que., has assigned.

J. C. Giroux, general merchant, Berthier, Que., has assigned.

Joseph Laporte, wood and coal merchant, Montreal, has assigned.

A. L. Stickney, general merchant, Stickney, N.B., has assigned to sheriff.

The assets of B. F. Reid, general merchant, Aylwin, Que., have been sold.

Kerner & Shaffer, general merchants, Campbellton, N.B., are asking an extension.

The creditors of Joseph Slade, general merchant, Orwell, Ont., met on January 22.

Bessie Simon, general merchant, Greenfield, Ont., has assigned to Geo. Hearnden, Alexandria.

The creditors of J. W. Thompson, general merchant, Buckingham, Que., met on January 23.

S. Black, of Black & Ross, general merchants, Thetford Mines, Que., has consented to assign.

Albert P. Janisse, general merchant, Tecumseth, Ont., is offering to compromise at 40c. on the dollar.

There was a meeting of the creditors of Bourne Bros., general merchants, Revelstoke, B.C., recently.

The creditors of M. Ornstein & Co., general merchants, St. Polycarpe, Que., had a meeting on January 15.

Bilodeau & Chalifoux are curators of J. A. Duval, hardware merchant, Montreal. He is offering to compromise at 25c. on the dollar.

T. Y. McNall, general merchant, MacLennan, Ont., has assigned to W. H. Plummer, Sault Ste. Marie, and his creditors had a meeting on January 24.

Alex. Chisholm, general merchant, Mahone Bay, N.S., is offering to compromise at 50 cents on the dollar. J. Harvey Morris, grocer, Charlottetown, P.E.I., has assigned to G. E. Auld.

PARTNERSHIPS FORMED AND DISSOLVED.

James Dempster & Co., planing mill, Halifax, have dissolved. James Dempster continues.

A. O'Borne & Co., wood and coal merchants, Montreal, have dissolved, and their assets were sold on January 23.

SALES MADE AND PENDING.

The stock, plant, etc., of The Diamond Machine and Screw Co., Limited, Toronto, have been sold.

T. H. Metcalfe, agricultural implements, Treherne, Man., is selling out.

M. Andrew, blacksmith, Crossland, Ont., is advertising his business for sale.

Chester Thompson, general merchant, Selkirk West, N.W.T., has sold out.

The assets of The Electric Cab Co., Toronto, are to be sold by the bailiff.

The stock of E. F. Cowan, general merchant, Novar, Ont., has been sold.

John Gibson, general merchant, Belton, Ont., is advertising his business for sale.

M. Richardson & Co., general merchant and druggist, Dundalk, Ont., has sold out.

The assets of Alexander Bros., general merchants, Port Daniel, Que., have been sold.

Wm. Finlay, carriagemaker, Grand Valley, Ont., is advertising his business for sale.

The assets of J. A. Teasdale, manufacturer of spring beds, Montreal, have been sold.

The assets of F. J. K. Alexander, general merchant, etc., Little River East, Que., have been sold.

Douglas & Douglas, general merchants, Leduc, N.W.T., are advertising their stock or sale by tender.

The real estate of Honore Thauvette, general merchant, St. Lazare de Vaudreuil, Que., is to be sold.

The stock of R. P. Dalgleish & Co., general merchants, Mount Forest, Ont., has been advertised to be sold by auction on January 24.

CHANGES.

The Sunlight Gas Co., Montreal, has applied for a charter.

Alain & Co., blacksmiths, Quebec, have registered a partnership.

Labelle & Cie, builders, Shawenegan Falls, Que., have registered.

C. Pratt, general merchant, Stony Plain, N.W.T., is giving up business.

J. P. Ross, general merchant, Exeter, Ont., has sold to T. G. Harlton.

John F. Titus, general merchant, Blenheim, Ont., is closing out business.

Joseph E. Pedlow, general merchant, Vienna, Ont., has sold to C. A. Gardner.

H. A. Scarth, general merchant, Griswold, Man., has sold out to McArthur & Lyons.

Thomas Grace, general merchant, Gracefield, Que., has opened a branch store at Low.

Mrs. W. Bluteau has registered for Bergeron, Roger & Cie, general merchants, Shawenegan Falls, Que.

The stock of J. L. Aubut, general merchant, St. Eloi, Que., has been sold at 71 cents on the dollar to J. C. Lafrance.

The East Kootenay Lumber Co., Limited, Cranbrook, B.C., have been incorporated, and the Cranbrook Lumber Co., Limited, have agreed to sell their assets to them.

Belair Bros., blacksmiths, Cowanville, Ont., have registered.

Robert Elder Carriage Works, Limited, Toronto, have obtained a charter.

The T. F. Moore Co., wood and coal, Montreal, have applied for a charter.

James Temple, hardware merchant, Elgin, Man., has sold out to David Gibson.

The John Abell Engine and Machine Co., Limited, Toronto, have obtained a charter.

The Delfosse Co., manufacturers of shop fixtures, Montreal, have applied for a charter.

The Standard Lumber Co. of Manitoba, Winnipegosis, Man., has applied for a charter.

The Lardeau Smelting and Refining Co. of British Columbia, Limited, Vancouver, has been incorporated.

James Fletcher, agricultural implements, Binscarth, Man., has sold his harness business to J. A. Johnstone.

Park, Mitchell & Co., Moyie, B.C., have also agreed to sell their assets to The East Kootenay Lumber Co., Limited.

W. S. Sieward has bought out Munroe's interest in the firm of Munroe & Sieward, general merchants, White Horse, B.C.

Angus Grant has registered as sole proprietor of the business of Donald Grant & Sons, builders, etc., New Glasgow, N.S.

Leask & Slater have agreed to sell their sawmill at Cranbrook, B.C., to The East Kootenay Lumber Co., Limited, Cranbrook, B.C.

The McNabb Lumber Co., Limited, Jaffray, B.C., have made an agreement to sell to The East Kootenay Lumber Co., Limited, Cranbrook.

FIRES.

The stock of A. Laurin & Co., painters, Montreal, has been slightly damaged by fire.

The premises of The Toilet Laundry Co., Montreal, were slightly damaged by fire. The loss is covered by insurance.

DEATHS.

Antoine Beaudoin, lumber merchant, Quebec, is dead.

SUNDAY WORK AT SYDNEY.

A petition is being signed at Sydney, C.B., and will be forwarded in a few days to the dieectors of The Dominion Iron and Steel Co., praying them to put a stop to all unnecessary Sunday work. This document alleges that at present the employes of the company are obliged to do a large amount of unnecessary work on Sundays, which is contrary to the laws of the Province.

John Bowman

HARDWARE & COAL CO.

LONDON, ONT.

SKATES SKATES SKATES

We have a large stock of SKATES to dispose of and will fill all orders promptly at closest prices.

Cutlery Cutlery Cutlery

Special Lines Special Prices

English and German Table and Pocket Cutlery, Cases, Carvers, Razors, Scissors, Pen and Pocket and Table Cutlery in great variety.

Special Prices.

After Stock-Taking

You will be replenishing your stock, so we wish to keep before your notice, "**Dominion**" Goods, all of which bear the following Trade Mark, which is a guarantee of quality:

SHELF GOODS — DOMINION WIRE MANUFACTG. CO. LTD. DOMINION TRADE MARK. — HEAVY GOODS

Wood Screws,
Wire Nails, (Papers),
Bright Wire Goods,
Wire Door Pulls,
Steel and Brass Jack Chain,
"Crescent" Wire Coat and Hat Hooks.

Wire Nails,
Iron and Steel,
Brass and Copper,
Hay Baling,
Pulp Binding,
Galvanized,
Barbed.

} **WIRE**

Bed, Blind, and Poultry Netting. } **STAPLES** { **Bright and Galvanized Fence.**

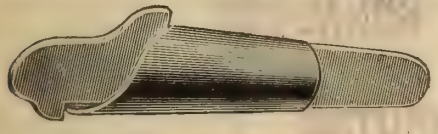
BROOM, MATTRESS, BOTTLING, and other wires.

Dominion Wire Manufacturing Co.

MONTREAL Limited **TORONTO**

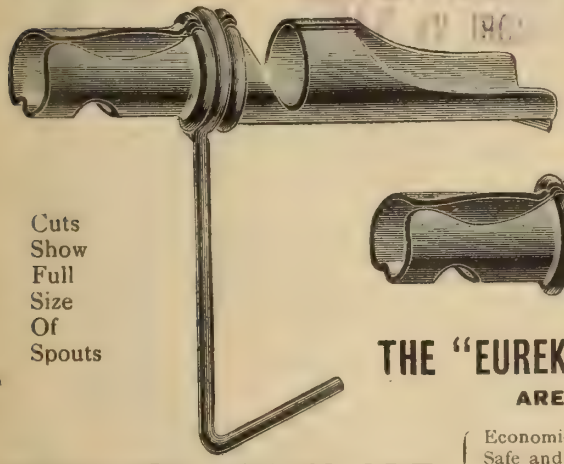
ESTABLISHED 1860. INCORPORATED 1895.

SUGAR MAKERS' SUPPLIES



"IMPERIAL" Steel Sap Spouts

Improved 1902 Pattern, Tapered
Specially adapted for Covered Sap Buckets.



"EUREKA"

Steel Sap Spouts



Patented 1896

Cuts Show Full Size Of Spouts

THE "EUREKA" STEEL SAP SPOUTS

ARE EVER POPULAR

BECAUSE THEY ARE:
- Economical and Durable.
- Safe and Secure—No Leakage.
- Easily Inserted—Do not injure the tree.
- Secure Full Flow of Sap.

All packed in cardboard boxes, 100 each.

We carry full stock of all lines. Write for prices.
Orders by letter or wire promptly shipped.

MAPLE SYRUP CANS

"LOWER CANADA"

ROUND—With Screw Tops and Strap Handles.

SQUARE—With Screw Tops and Wire Handles.

Plain or Lithographed.

CAPACITY:

1 Qt. Wine Measure.
1 Qt. Imperial Measure.
½ Gall. Wine Measure.
½ Gall. Impl. Measure.
1 Gall. Wine Measure.
1 Gall. Impl. Measure.

Special design made up, if sufficient quantities are wanted.



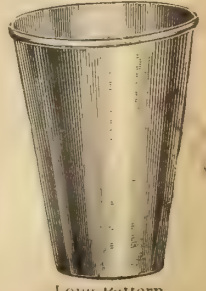
Sap Buckets

Long Pattern

Nos.	7	8	12	16
Quarts	4	6	8	12

Western Pattern

6 and 10 Quarts



Long Pattern.

THE THOS. DAVIDSON MFG. CO., Limited, MONTREAL, P.Q.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

Montreal, January 21, 1902.

HARDWARE.

BUSINESS, on the whole, is quite active. The spring trade has started in with a rush, and travellers, who are now on the road, are receiving many good orders for spring. These are principally on wire, building paper, cordage, harvest tools, bar iron, glass, paris green and fish lines. Both the English and German quotations show that the markets there are rather stiff. Milk-can trimmings are now quoted at 25 per cent. off, and milk cans, 40 per cent. off the list price. The minimum charge for packages upon milk-can trimmings has been fixed at 1½ per cent. of the net value of the milk-can trimmings on invoice.

BARB WIRE.—The market has considerably improved and there is now a good demand for spring delivery. We quote $3 per 100 lb. f.o.b. Montreal.

GALVANIZED WIRE.—Trade is only fair. Our quotations are as follows: Nos. 6, 7 and 8 gauge, $3.45; No. 9, $2.80; No. 10, $3.55; No. 11, $3.65; No. 12, $2.95; No. 13, $3.05; No. 14, $4.05; No. 15, $4.55; No. 16, $4.80; No. 17, $5.20; No. 18, $5.45.

SMOOTH STEEL WIRE.—There is a fairly good trade doing. Bright iron and annealed, Nos. 0 to 9, sell for $2.60 per 100 lb. f.o.b. Montreal, Toronto, Hamilton, London, St. John and Halifax. We quote extras as follows: No. 10, 6c.; No. 11, 12c.; No. 12, 20c.; No. 13, 30c.; No. 14, 40c.; No. 15, 55c.; No. 16, 70c.

FINE WIRE.—A moderate trade is doing. The discount is 22½ per cent.

SPRING WIRE.—A small demand exists. Spring wire is $1.25 extra.

COPPERED AND TINNED WIRE.—There is not much doing. We quote: Coppered, extra, is 60c.; tinned, $2 per 100 lb.

BRASS AND COPPER WIRE.—A slight improvement is noted, but trade is still quiet. The discount on both wires is 60 per cent.

FENCE STAPLES.—There is very little doing this week. We quote per 100-lb. keg, bright, $2.90; galvanized, $3.25.

WIRE NAILS.—Business in wire nails is somewhat more satisfactory, but the demand has not reached any proportions yet. Our quotations are as follows: $2.55 for small lots and $2.50 for carlots f.o.b. Montreal, London, Hamilton, Toronto, Gananoque, Brantford, Windsor, Ont., St. John and Halifax.

CUT NAILS.—There has been a steady improvement this week. We quote: $2.35 per keg for small lots and $2.27½ for carlots. The discount on both flour-barrel nails and coopers' nails is 40 per cent.

HORSE NAILS.—Trade in this line is quiet. We quote: "C" brand at 50 and 7½ per cent. off and "M" brand at 60 per cent. off on oval and new city heads and 66 2-3 per cent. off for new countersunk heads.

HORSESHOES.—Trade is still very quiet. We quote as follows: Iron shoes, light and medium pattern, No. 2 and larger, $3.50; No. 1 and smaller, $3.75; snow shoes, No. 2 and larger, $3.75; No. 1 and smaller, $4; X L steel shoes, all sizes, 1 to 5, No. 2 and larger, $3.60; No. 1 and smaller, $3.85; feather-weight, all sizes, $4.85; toe weight, steel shoes, all sizes, $5.95 f.o.b. Montreal; f.o.b. Hamilton, London and Guelph, 10c. extra.

SCREWS.—There is only a fair trade doing. Following are the discounts: Flat head bright, 87½ and 10 per cent. off list; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.

BOLTS.—The demand for bolts has been better this week, but still no great activity exists. We quote: Norway carriage bolts, 60 and 5 per cent.; common, 55 and 5 per cent.; full square carriage bolts, 60 and 5 per cent.;

SAP PAILS AND SPILES WILL SOON BE NEEDED

And we are still selling our well-known lines improved and better than ever.

"EUREKA" Cast Iron Sap Spiles



In their different styles—and we carry **only** the **best**—are undoubtedly the best on the market.

Catch and conduct every drop of sap into pail.

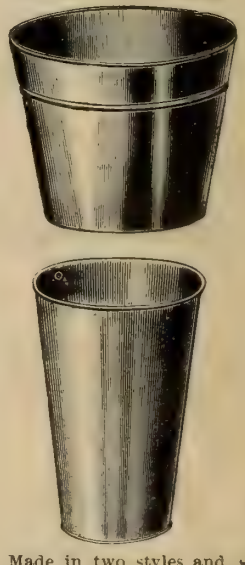
Easily inserted and removed, without injury to tree or spile.

Will last indefinitely.

They are the quickest sellers—therefore the best money-makers for the Trade to handle.

We Ship Promptly.

SAP PAILS



Made in two styles and six sizes.
Send for prices on these, and spiles.

The McClary Manufacturing Co.,

LONDON, TORONTO, MONTREAL, WINNIPEG, VANCOUVER, AND ST. JOHN, N.B.

"Everything for the Tinshop."

DRAIN PIPES,
PORTLAND CEMENTS,
FIRE BRICKS AND CLAY
SILICA AND MAGNESIA BRICKS,
with specially prepared mortar.
Contractors' and Founders' Supplies.

F. HYDE & CO.
31 WELLINGTON ST., MONTREAL

. . FULL STOCK . .
Salt Glazed Vitrified
SEWER PIPE
Double Strength Culvert Pipe a Specialty.
THE CANADIAN SEWER PIPE CO.
HAMILTON, ONT. TORONTO, ONT.
ST. JOHNS, QUE.

Deseronto Iron Co.
LIMITED
DESERONTO, ONT.
Manufacturers of
Charcoal Pig Iron
BRAND "DESERONTO."
Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

GIBSON ARNOLDI & CO.
BARRISTERS, SOLICITORS, NOTARIES PUBLIC, Etc.
9 Toronto St., Toronto.
CAPITAL FURNISHED TO AID INDUSTRIAL CONCERNS.
Representatives in London, Liverpool, Manchester, Glasgow, Edinburgh, Chicago, and New York, and Paris, France.
GENERAL COMMERCIAL SOLICITORS.

machine bolts, 55 and 5 per cent.; coach screws, 70 per cent.; sleigh shoe bolts, 70 per cent.; blank bolts, 60 per cent.; bolt ends, 60 per cent.; plough bolts, 55 and 5 per cent.; tire bolts, 67½ per cent.; stove bolts, 67½ per cent. To any retailer an extra discount of 5 per cent. is allowed. Nuts, square, 3¾c. per lb. off list; hexagon nuts, 4c. per lb. off list. To all retailers an extra discount of ¼c. per lb. is allowed.

BUILDING PAPER.—There is a good trade doing this week. We quote: Tarred felt, $1.70 per 100 lb.; 2-ply, ready roofing, 85c. per roll; 3-ply, $1.10 per roll; carpet felt, $2.25 per 100 lb.; dry sheathing, 35c. per roll; tar sheathing, 45c. per roll; dry fibre, 55c. per roll; tarred fibre, 65c. per roll; O.K. and I.X.L., 70c. per roll; heavy straw sheathing, $30 per ton; slaters' felt, 60c. per roll.

CORDAGE.—Business in cordage has much improved and a good demand is experienced this week. There are no changes in prices. Our quotations are as follows: Manila, 16c.; British Manila at 13½c.; sisal, 12c. and lathyarn at 10½c. Manitoba prices are: Manila, 16c.; British manila, 14½c.; sisal, 13c. and lathyarn, 12c.

RIVETS AND BURRS.—Only a moderate trade is doing. Discounts are: Best iron rivets, section, carriage, and wagon box, black rivets, tinned do., coopers' rivets and tinned swedes rivets, 60 and 10 per cent.; swedes iron burrs are quoted at 55 per cent. off; copper rivets, 35 and 5 per cent. off, and coppered iron rivets and burrs, in 5-lb. carton boxes, are quoted at 60 and 10 per cent. off list.

SCREEN WIRE CLOTH.—This is beginning to sell well and a number of orders are being booked for spring. The price is $1.25 per 100 square feet.

POULTRY NETTING.—A fair demand continues. Canadian or English is quoted at a discount of 60 per cent. off 2 x 2 mesh, 19 wire, and 55 per cent. off 2 x 2 mesh heavier, Canadian list.

HARVEST TOOLS.—An improvement is noted in the trade this week. A good demand now exists. The discount is 70 per cent.

FIREBRICKS.—This is about the same. There is a fair demand at the following prices: Scotch, $19 to $23.50, and English, $18.50 to $22.50 per 1,000.

CEMENT.—There is practically nothing doing. We quote: German cement, $2.30 to $2.40; English, $2.25 to $2.35; Belgian, $1.70 to $1.95 per bbl. ex-wharf, and American $2.20 to $2.30 ex-cars.

METALS.

Though trade on the whole is still quiet there is a better movement than a week ago. There is a better demand for bar iron and chain, and in the former prices are inclined to be stiffer.

PIG IRON.—There has been little improvement. We quote as follows: Summerlee, $21 to $21.50; Canadian, $18.50 to $19.

BAR IRON.—The demand is much improved and prices are becoming firmer. We quote: Merchants' bar, in carlots, $1.87½, and in small lots, $1.95. Horseshoe iron is worth $2.15 to $2.20.

BLACK SHEETS.—Trade remains quiet. We quote as follows: 28 gauge, $2.65; 26 gauge, $2.60; 20 to 24 gauge, $2.50, and 8 to 20 gauge, $2.50.

GALVANIZED IRON.—In this there is but little doing. Our quotations are: No. 28, Queen's Head, $4.40; Apollo, 10¾

Sanderson's TOOL STEEL
Unequalled for Quality.
Large Assortment in Stock.
A. C. LESLIE & CO.
CANADIAN AGENTS MONTREAL.


IRON AND BRASS
Pumps
Force, Lift and Cistern Hand and Power.
For all duties. We can supply your wants with —quality the best and prices right. Catalogues and full information for a request.
THE R. McDOUGALL CO., Limited
Manufacturers, Galt, Canada.

ADAM HOPE & CO.
Hamilton, Ont.
We offer for prompt shipment
Pig Tin,
L. & F. and STRAITS.
Ingot Copper, O.C.
Pig Lead.
Spelter.
Antimony.

NOVA SCOTIA STEEL & COAL CO., Limited
NEW GLASGOW, N.S.
Manufacturers of
Ferrona Pig Iron
And SIEMENS MARTIN
OPEN HEARTH STEEL.

Your Spring stock will be up to date if selected from the following lines:

ELASTILITE VARNISH,

Granitine Floor Finish
Maple Leaf Coach Enamels
Maple Leaf Varnish Stain
Imperial Buggy Paint
Imperial Varnish Stain
Imperial Gold and Silver Enamels
Imperial Household and Bath Enamels
Aluminum Paint
Flat Black Lacquer
Bronzing Liquids
Lemon Polishing Oil, Etc.

— ALSO —

Shellacs, Japans and General Varnishes in all grades.

A good reason why you should buy our goods is because we lead all others in neat and attractive packages, advertising signs, etc. And, above all, our goods make and hold customers for you.

Write for 1902 descriptive catalogue and price lists.

The Imperial Varnish & Color Co. LIMITED

TORONTO, ONT., CANADA

"Ark Brand" Paint



Is the Ladder To a Successful Paint Trade.

THE FRANCIS-FROST CO. Limited
TORONTO.

Canadian Distributing Agents for Grippin's Crack Filler.

oz., $4.40 ; Comet, $4.25 with 10c. extra in less than case lots.

INGOT COPPER.—There is nothing new to report. Trade is fair. The price is 14½c.

INGOT TIN.—A moderate business is being done. Straits sell for 27c.

PIG LEAD.—A good trade is doing. We quote $3.15 to $3.20.

LEAD PIPE.—In this the demand does not amount to much. We quote 7½c. for composition waste, and 7c. for ordinary. The discount is 35 per cent.

IRON PIPE.—There is a good business doing in iron pipe, and prices are firm. We have revised our prices this week and now quote as follows : Black pipe, ¼, $2.75 per 100 feet ; ⅜, $2.75 ; ½, $3.15 ; ¾, $3.70 ; 1-inch, $5.25 ; 1¼, $7.10 ; 1½, $8.90 ; 2-inch, $12.25. Galvanized, ⅜, $3.55 ; ½, $4.15 ; ¾, $5.05 ; 1-inch, $7.25 ; 1¼, $10.10 ; 1½, $12.15 ; 2-inch, $16.55.

TINPLATES.—There is not much doing. We quote : Cokes at $3.75 to $4; charcoal, $4.25 to $4.50.

CANADA PLATE.—Trade remains quiet and prices unchanged. We quote as follows : 52's, $2.65 to $2.70 ; 60's, $2.75 to $2.80 ; 75's, $2.80 to $2.85 ; full polished, $3.75, and galvanized, $4.25 to $4.35.

STEEL.—A moderate trade is doing. Jobbers are now obtaining $3 for machinery steel, in large quantities, an advance of 15c. Our quotations are as follows : Sleigh shoe, $2.05 ; tire, $2.15 ; bar, $2 ; spring, $2.85 ; machinery, $3.00, and toecalk, $2.60.

SHEET STEEL.—The market has not improved. Our quotations are : Nos. 10 to 20, $2.50 ; 3-16, $2.50 ; ¼, 5-16 and ⅜, $2.40.

TOOL STEEL.—The demand for this is improving, but a small movement continues. We quote : Black Diamond at 8c.; Jessop's, 13c.

TERNE PLATES.—The trade is quiet. Prices are $7.75 to $8.

COIL CHAIN.—Business this week is good and prices have not changed. Our quotations are as follows : No. 6, 12½c.; No. 5, 10½c.; No. 4, 10c.; No. 3, 9½c.; ¼-in., 7¼c. per lb.; 5-16, $4.80 ; 5-16 exact, $5.25 ; ⅜, $4.25 ; 7-16, $4.05 ; ½, $3.85 ; 9-16, $3.75 ; ⅝, $3.55 ; ¾, $3.50 ; ⅞, $3.45 ; 1-in., $3.45. In carload lots an allowance of 10c. is made.

SHEET ZINC.—There is but little doing. We still quote $5.75 to $6.25.

ANTIMONY.—There is only a light movement. The price is 10c.

ZINC SPELTER.—The business in this line does not amount to much at present. We quote 5c.

SOLDER.—A fair trade is doing at steady prices. Bar solder is worth 18c. and wire solder, 20c.

PAINTS AND OILS.

The feature of this market is the advance in turpentine, there being a total gain of 7c. following the strong feeling in the primary markets. Prices are very firm, and turpentine is now so scarce that until the new crop comes in the market is altogether likely to continue strong. Further advances are looked for by some dealers. It is rumored, although it is early to take serious notice of it, that the new crop will be considerably lighter than last year. Linseed oil remains firm at unchanged prices. Paris green shows some activity and good orders are being booked this week. General goods are now beginning to move freely, and manufacturers are all busy. There are bright prospects for an early spring trade. We quote as follows :

WHITE LEAD.—Best brands, Government standard, $5.87½; No. 1, $5.50 ; No. 2 $5.12½ ; No. 3, $4.75 ; No. 4, $4.37½ all f.o.b. Montreal. Terms, 3 per cent. cash or four months.

DRY WHITE LEAD—$5.25 in casks ; kegs, $5.50.

DRY WHITE ZINC — Pure dry, 6¼c. ; No. 1, 5¼c. ; in oil, pure, 7¼c. ; No. 1, 6¼c. ; No. 2, 5¼c.

PUTTY — We quote : Bulk, in bbls., $1.90 per 100 lb. ; bulk, in less quantity, $2.05 ; bladders, in bbls., $2.25 ; bladders, in 100 or 200 lb. kegs or boxes, $2.40 ; in tins, $2.55 to $2.65 ; in less than 100-lb. lots, $3 f.o.b. Montreal, Ottawa, Toronto, Hamilton, London and Guelph. Maritime Provinces, 10c. higher, f.o.b. St. John and Halifax.

ORANGE MINERAL—Casks, 7c. ; 100 lb. kegs, 7¼c. ; smaller quantities, 8¼c.

RED LEAD — Genuine red lead in casks, $4.50 ; in 100-lb. kegs, $4.75 ; less quantities, $5.75 per 100 lb. No. 1 red lead, casks, $4.25 ; kegs, $4.50, and smaller quantities, $5.50.

LITHARGE—Ground, casks, 5c. ; less, 5½c. ; flake litharge, casks, $5.25 ; smalls, $5.75 per 100 lb.

LINSEED OIL—Raw, 75c.; boiled, 78c. in 5 to 9 bbls., 1c. less, 10 to 20 bbl. lots open, net cash, plus 2c. for four months. Delivered anywhere in Ontario between Montreal and Oshawa at 2c. per gal. advance and freight allowed.

TURPENTINE.—Single bbls., 67c. ; 2 to 4 bbls., 66c. ; 5 bbls. and over, open terms.

SHELLAC VARNISH — Pure white, $2.35 to $2.45 ; orange, $2.25 to $2.35.

MIXED PAINTS—$1.20 to $1.45 per gal.

CASTOR OIL—8¾ to 9¼c. in wholesale lots, and ¼c. additional for small lots.

SEAL OIL—47½ to 49c.

COD OIL—32½ to 35c.

PARIS GREEN — Petroleum barrels, 16¾c. per lb.; arsenic kegs, 17c.; 50 and 100-lb. drums, 17¼c.; 25-lb. drums, 18c.; 1-lb. packages, 18½c.; ½-lb. packages, 20½c.; 1-lb. tins, 19½c.; ½-lb. tins, 21½c. f.o.b. Montreal. Terms: 3 per cent. 30 days, or four months from date of delivery.

GLASS.

Glass is among the lines which has taken a turn for the better for spring delivery. A fairly good business is now doing at firm figures. We quote: First break, 50 feet, $2.10; second, $2.20 for 50 feet; first break, 100 feet, $4; second break, $4.20; third break, $4.70, and fourth break, $4.95.

SCRAP METALS.

Business is quiet, though the demand is a steady one. There are no changes in our quotations. We quote: Heavy copper and wire, 13½ to 14c. per lb.; light copper, 12 to 12½c.; heavy brass, 12 to 12½c.; heavy yellow, 9½c.; light brass, 6½c.; lead, 2⅝ to 2⅝c. per lb.; zinc, 2 to 2¼c.; iron, No. 1, wrought, $10 light brass, 6½c.; lead, 2½ to 2⅝c. per lb.; zinc, 2 to 2¼c.; iron, No. 1, wrought, $10 to $15 per gross ton f.o.b. Montreal; stove plate, $8 to $9; machinery scrap, $14; light iron, No. 2, $5 a ton; malleable and steel, $4; rags, country, 60 to 70c. per 100 lb.; old rubbers, 7 to 7¼c. per lb.

HIDES.

The market is quiet. We quote: No. 1 hides, 7½c.; No. 2, 6½c.; No. 3, 5½c. Sheepskins, 60c.

MARKET NOTES.

Turpentine has advanced to 67c. for single barrels and 66c. for 2 to 4 barrels.

Milk-can trimmings are now quoted at 25 per cent. off list, and milk cans at 40 per cent. off.

Machinery steel is 15c. higher, for large quantities, the price now being $3.

ONTARIO MARKETS.

Toronto, January 24, 1902.

HARDWARE.

BUSINESS in most lines of hardware is enjoying its usual January quietude. If anything, there is not as much doing as there was a week ago, and the shipping rooms are lacking in the evidences of activity. The quietness, however, is giving those who are engaged in stock-taking an opportunity of pushing their work to completion. Most of the business being done is still on spring-shipment account, and the outlook in this particular is rather satisfactory. Some orders are being received for cross-cut saws, screen doors and windows, harvest tools, spades and shovels, and green wire cloth. A good business is being done in dairy supplies, and on Wednesday and Thursday there was a big demand for snow shovels as a result of the heavy snow fall. Payments are, on the whole, fair.

BARB WIRE.—There is little or nothing doing. We quote as follows: F. o. b. Cleveland, $2.77½ for less than carlots, and $2.65 for carlots. From stock Toronto, $3.

GALVANIZED WIRE.—Dull and without change. We quote as follows: Nos. 6, 7 and 8, $3.50 to $3.85 per 100 lb., according to quantity; No. 9, $2.85 to $3.15; No. 10, $3.60 to $3.95; No. 11, $3.70 to $4.10; No. 12, $3 to $3.30; No. 13, $3.10 to $3.40; No. 14, $4.10 to $4.50; No. 15, $4.60 to $5.50; No. 16, $4.85 to $5.35. Nos. 6 to 9 base f.o.b. Cleveland are quoted at $2.52½ in less than carlots and 12c. less for carlots of 15 tons.

SMOOTH STEEL WIRE.—Practically nothing doing. Base price, $2.60 per 100 lb. Oiling, 10c.; coppering, 60c., and tinning, $2 per 100 lb. extra. Delivery points Toronto, Hamilton, London and Montreal, with freights equalized on those points.

WIRE NAILS.—A little sorting-up business is being done and an occasional order for future delivery is being received, but trade, on the whole, is dull. We quote $2.55 for less than carlots, and $2.50 for carlots. Delivery points, Toronto, Hamilton, London, Gananoque and Montreal.

CUT NAILS.—Business is still limited. We quote base price $2.35 per keg with 7½c. allowance on carlots.

HORSE NAILS.—Business is quiet. The discounts are as follows: "C" brand, oval head, 50 and 7½ per cent., and on "M" and other brands, 50, 10 and 5 per cent. Countersunk head 60 per cent. All the manufacturers are now understood to be selling off the same list.

HORSESHOES.—Not a great deal is being done. We quote f.o.b. Toronto as follows: Iron shoes, No. 2 and larger, light, medium and heavy, $3.60; snow shoes, $3.85; light steel shoes, $3.70; featherweight (all sizes), $4.95; iron shoes, No. 1 and smaller, light, medium and heavy (all sizes), $3.85; snow shoes, $4; light steel shoes, $3.95; featherweight (all sizes), $4.95.

SCREWS.—Business is moderate. The discounts are as follows: Flat head bright, 87½ and 10 per cent.; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.; round head bronze, 65 per cent., and flat head bronze 70 per cent.

RIVETS AND BURRS.—Business is keeping up fairly well. We quote: Iron rivets, 60 and 10 per cent.; iron burrs, 55 per cent.; copper rivets and burrs, 25 and 5 per cent.

BOLTS AND NUTS.—The demand continues active. We quote as follows: Carriage bolts, common ($1 list), 55 and 5 per cent.; carriage bolts, full square ($2.40 list), 60 and 5 per cent.; carriage bolts, Norway iron ($3 list), 60 and 5 per cent.; machine bolts, all sizes, 55 and 5 per cent.; coach screws, 70 per cent.

ROPE.—Business is seasonably quiet. We quote as follows: Pure manila, 16c.; British manila, 13½c.; sisal, 12c.

CUTLERY.—Certain makes of English cutlery are scarce, the manufacturers being unable to keep up with their orders. The demand on retail account is light.

SPORTING GOODS.—An occasional rifle and gun is wanted and there is some demand for ammunition and shot. A limited quantity of skates and hockey sticks have gone out during the week.

DAIRY SUPPLIES.—The demand continues good for milk-can trimmings, and the discount is unchanged at 25 per cent.

SCREEN DOORS AND WINDOWS.—Some business is still being done on future account. Common doors, 2 or 3 panel, are quoted as follows: Walnut, stained, 3-inch style, $6.80 per dozen; stained, yellow, $7; natural color, oil finish, $8.15; 4-inch style, 20c. extra per dozen f.o.b. factory point; f.o.b. Montreal and Ottawa prices are 30c. per dozen advance on above figures.

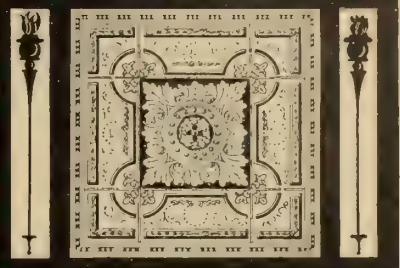
HARVEST TOOLS.—A few orders have been received during the past week, but the country is now pretty well supplied. Discount is 70 per cent.

SPADES AND SHOVELS.—There is a small but steady demand from stock and some business on future account is still being done. Discount 40 and 5 per cent.

CEMENT.—A very promising number of inquiries have been made for cement and it looks as if trade from now on will continue to improve. We are quoting: Canadian Portland, Rathbun's "Star," $2.25 to $2.65; "Beaver," $2.10 to $2.50; "Ensign," $1.90 to $2.30; German, $3.15; English, $3; Belgian, $2.50 to $2.75; Canadian hydraulic, $1.25 to $1.50 per bbl.

OUR METALLIC CEILINGS AND WALLS

Are both artistic and serviceable. Popularly used by practical people everywhere.



Easily applied—most moderate in cost—fire-proof, sanitary and wonderfully durable—with countless designs to select from.

Write us for booklet telling all about them.

METALLIC ROOFING CO., Limited

Wholesale Mfrs. TORONTO, CANADA.

METALS.

Iron and steel continue steady in price. Tin and copper are weak and lower in price. Business in metals generally is fairly good.

PIG IRON—There is nothing particularly new in the situation. There is not a large business being done, but prices rule steady. We quote: Canadian pig iron at $17.50 to $18 on track Toronto for No. 2 foundry.

BAR IRON—Demand keeps brisk and prices firm. Base price $1.95 to $2.05. Extras cut to length while rolling: 2 ft. and over, 10c. per 100 lb.; 1 ft. and under 2 ft., 15c.; under 1 ft., 20c.; over 20 ft. by special agreement, according to length and size.

STEEL—There is a good demand for machinery steel, and prices rule firm. We

quote as follows: Merchantable cast steel, 9 to 15c. per lb.; drill steel, 8 to 10c. per lb.; "BC" and "Black Diamond" tool steel, 10 to 11c.; Jessop's, Morton's and Firth's tool steel, 14c.; toe-calk steel, $2.85 to $3; tire steel, $2.30 to $2.50; sleighshoe steel, $2.10 to $2.25; reeled machinery steel, $3, hoop steel, $3.10.

BLACK SHEETS—The demand is good and there is a fair supply. We quote: Common, $3.15 for 28 gauge; and dead flat, $2.50 for 26 gauge.

CANADA PLATES—A few small sorting-up orders have been received during the week, but the demand is not active. We quote: All dull, $3 00; half polished, $3.10; all bright, $3.75.

GALVANIZED SHEETS — For this time of the year the demand is good. We quote as follows: "Queen's Head" brand at $4.50 in case lots, and $4 65 in less quantities.

TIN—The market is weak and irregular. In London on January 22 prices dropped £2 5s. and closed weak, and in New York there was a decline of 50 points on the same day. Locally there has been quite a little trading in small lots, and quotations are 1c. lower, being $28 to $29 per 100 lb.

TINPLATES—There is a good demand for this time of the year, and it is thought that prices have about reached the bottom. Our quotations on coke plates are 25c. lower, I C, usual sizes, now being $4 per box.

TINNED SHEETS — Trade is fair. We quote as follows: 72 x 30, up to 24 gauge, 7½c.; ditto, up to 26 gauge, 8c.

TERNE PLATES—Quiet. We still quote: I C, 20 x 28 gauge, at $8 50.

COPPER — Local quotations show a decline in both ingot and sheet copper. Ingot is now down to $14 per 100 lb., and plain sheets are quoted at $22 to $23. The idea for tinned copper sheets is $24 per 100 lb. In London on Wednesday prices closed 10s. lower on both spot and futures and was attributed to free selling, particularly of futures. New York was quiet and steady at 11c.

BRASS—The demand shows some improvement, and a fair business is being done. The discount has been increased, now being 15 per cent.

SOLDER—Business is brisk. We quote: Half-and-half, guaranteed, 19c.; do. commercial, 18½c.; refined, 18c.; wiping, 17½c.

LEAD—The demand is good. We quote: $3.50 to $3 75 for pig lead and $5 for bar.

IRON PIPE — Business is fairly good. We quote: Black pipe, $5.40 for 1-inch.; galvanized, $7.95 for 1-inch.

ZINC SPELTER—Trade is quiet at $5.50 to $6 per 100 lb.

ZINC SHEET—There is a fair movement in small lots. We quote $6 to $6.25 in casks and part casks.

ANTIMONY—The demand is good at 10c. per lb.

PAINTS AND OILS.

There has sprung up quite an active inquiry for raw and boiled linseed oil, while white leads continue quite active. Sealed can paints have hardly yet commenced to move, although some orders are being booked for later delivery. Dry colors are quiet, while shellacs remain very firm. The travellers are all out but are storm staid this week. The most noticeable feature is the advance in turpentine, which has gone up 7c. per gal. this last week. The other prices are unchanged. We quote:

WHITE LEAD—Ex Toronto, pure white lead, $5.87½; No. 1, $5.50; No. 2. $5.12½; No. 3. $4.75; No. 4, $4.37½ in pkgs. of 25 lb. and upwards; ½c. per lb. extra will be charged for 12½-lb. pkgs.; genuine dry white lead in casks, $5.12½.

RED LEAD—Genuine, in casks of 560 lb. $5.12½; ditto, in kegs of 100 lb., $5.50; No. 1, in casks of 560 lb., $4; ditto, kegs of 100 lb., $4.50.

LITHARGE—Genuine, 6 to 6½c.

ORANGE MINERAL—Genuine, 7½ to 8c.

WHITE ZINC—Genuine, French V.M., in casks, $6 to $6.25; Lehigh, in casks, $6.

BENZINE—In barrel lots, 16½c. per gal.; less quantities, 25c. per gal.

PARIS WHITE—90c. to $1 per 100 lb.

WHITING — 65c. per 100 lb.; Gilders' whiting, 80c.

GUM SHELLAC — In cases, 35c.; in less than cases, 40c. per lb.

LIQUID SHELLAC—Pure orange, in bbls., $2 25 to $2.35; white, $2.35 to $2.45 per gal.; in less quantities, 10c. extra.

PUTTY —Bladders, in bbls., $2.25; bladders, in 100 lb. kegs, $2.40; bulk in bbls., $1.90; bulk, less than bbls. and up to 100 lb., $2.05; bladders, bulk or tins, less than 100 lb., $2.90.

PLASTER PARIS—New Brunswick, $1.90 per bbl.

PUMICE STONE — Powdered, $2.50 per cwt. in bbls., and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in bbls.

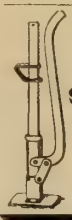
LIQUID PAINTS—Pure, $1.20 to $1.30 per gal.

CASTOR OIL — English, in cases, 9½ to 10c. per lb. and 10 to 10½c. for single tins.

LINSEED OIL—Raw, 1 to 4 barrels, 77c.; boiled, 80c.; 5 to 9 barrels, raw, 76c.; boiled, 79c., delivered. To Toronto, Hamilton and London, 2c. less.

TURPENTINE—Single barrels, 68c.; 2 to 4 barrels, 67c., delivered. Toronto, Hamilton and London 1c. less. For less quantities than barrels, 5c. per gallon extra

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.
'WELLINGTON' KNIFE POLISH
JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
Wellington Mills, London, England.
Agent:
JOHN FORMAN, 644 Craig Street
MONTREAL


COVERT MFG. CO.
West Troy, N.Y.
Steel Carriage and Wagon Jacks,
Harness Snaps, Chain, Rope and Web Goods, etc.
FOR SALE BY JOBBERS AT MFRS. PRICES.

PRIEST'S CLIPPERS


Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., USA

Don't Forget the Name. . .
NEWMAN'S INVINCIBLE FLOOR SPRINGS
Strong, Quick, Reliable, Effective.
Will close a door against any pressure of wind. Far ahead of ordinary door springs pneumatic or otherwise. Ask your wholesaler.
W. NEWMAN & SONS, Birmingham.

Oneida Community Goods
HALTERS, COW TIES, SNAPS, etc., etc.,
in all sizes and styles. May be had of all jobbers throughout Canada.
Factory—NIAGARA FALLS, ONT.

MACKENZIE BROS.
HARDWARE
MANUFACTURERS' AGENTS,
Travellers covering Manitoba, Northwest Territories and British Columbia. WINNIPEG MAN.
CORRESPONDENCE SOLICITED.

"PULLMAN"
TROUSER or SKIRT HANGERS.
TWO SIZES

PULLMAN SASH BALANCE CO.,
ROCHESTER, N.Y., U.S.A.

will be added, and for 5-gallon packages, 50c., and 10-gallon packages, 80c. will be charged.

GLASS.

There is a greatly improved demand for glass, both locally and for outside points. Prices are unchanged. We quote as follows: Under 26 in., $4.25; 26 to 40 in., $4.65; 41 to 50 in., $5.10; 51 to 60 in., $5.35; 61 to 70 in., $5.75; 71 to 80, $6.25; 81 to 85, $7; 86 to 90, $7.75; Toronto, Hamilton and London. Terms, 4 months, or 3 per cent. 30 days.

OLD MATERIAL.

The market is still very unsettled. Prices on coppers have not apparently yet reached their bottom figures, for there has been a decline of 1c. in heavy copper, 2c. in new light scrap copper, ½c. in bottoms, 2c. in coil wire, 1c. in light brass, ½c. in heavy yellow brass and 1½c. in heavy red brass, all owing to the further slump in the copper markets in the United States. We now are quoting: Agricultural, 60c. per cwt.; machinery cast, 60c.; heavy copper, 10c. per lb.; stove cast, 40c.; No. 1 wrought, 50c. per 100 lb.; new light scrap copper, 7c. per lb.; bottoms, 7½c.; coil wire, 10c.; light brass, 5c.; heavy yellow brass, 7½c.; heavy red brass, 8c.; scrap lead, 2¼c.; zinc, 2c.; scrap rubber, 6c.; good country mixed rags, 50 to 60c.; clean dry bones, 40 to 45c. per 100 lb.

HIDES, SKINS AND WOOL.

Trade is steady with nominal prices. We quote what is paid by buyers on arrival:

HIDES—We quote: No. 1, green, 7½c.; No. 2 green, 6½c.; No. 1 green, steers, 8c.; No. 2 green, steers, 7c.; cured, 7¾ to 8¼c.

SKINS—We quote: No. 1 calfskins, 9c.; and No. 2, 7c.; deacons (dairies) 55 to 60c. each; sheepskins, 65 to 75c.; deerskins, 12½ to 14c. per lb.

WOOL—We quote: Fleece, 13c., and unwashed, 7 to 8c. per lb.

SEEDS.

The foreign demand still drags, but the offerings have been very light owing to the unfavorable weather. Prices are somewhat weaker, red clover and alsike being 25c. cheaper. We quote prices paid at outside points: Red clover, $4.75 to $5.15; alsike, $6.25 to $8 25, and timothy, $2.50 to $3.25 per bush.

PETROLEUM.

Trade is active in this line and prices are steady. We quote: Pratt's Astral, 16½ to 17c. in bulk (barrels, extra); American water white, 17 to 17½c. in barrels; Photogene, 16½ to 17c.; Sarnia water white, 16 to 16½c. in barrels; Sarnia prime white, 14½ to 15c. in barrels.

ARCADE BRAND

FILES AND RASPS



Have all the superior merits of the best Hand-Cut Files.

WARRANTED

FAST CUTTING AND SUPERIOR TEMPER.

Arcade Files have been manufactured for over fifty years and have stood the test of time.

Manufactured by

NICHOLSON FILE CO.,

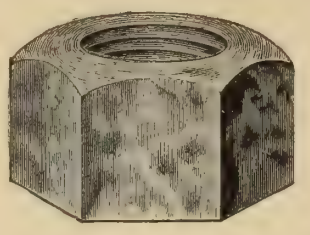
(Dominion Works) PORT HOPE, ONT.

Walter Grose

Selling Agent,

MONTREAL.

For Sale by—
Canada Hardware Co., Montreal.
Kerr & Robertson, St. John, N.B.
W. B. Arthur & Co., Halifax, N.S.
Nelson Hardware Co., Nelson, B.C.
Codere, Sons & Co., Sherbrooke, P.Q.



THE JOHN MORROW MACHINE SCREW COMPANY, Limited

Manufacturers of

Set and Cap Screws, Special Milled Work, Engine Studs, Etc. Cold Punched Nuts of every variety of finish.

INGERSOLL, ONT.

COAL.

There is an active demand for coal and coke, but a limited supply, cars enough still being lacking. Prices are firm. We quote at international bridges: Grate, $4.75 per gross ton; egg, stove and nut, $5 per gross ton; soft coal, $2.50 to $3.25 in bond, according to grade.

MARKET NOTES.

Coke plates are 25c. lower.

Tin is quoted lower at $28 to $29.

Quotations are lower on both ingot and sheet copper.

The discount on brass has been increased to 15 per cent.

Turpentine has advanced 7c. per gallon since last week.

In old material, there has been a number of changes, the unsettled condition of the United States copper market pulling down the price of heavy copper 1c.; new light scrap copper, 2c.; bottoms, ½c.; coil wire, 2c.; light brass, 1c.; heavy yellow brass, ½c., and heavy red brass, 1½c. per lb.

The merchants of Amherst are closing their places of business every week night except Saturday, during January and February, at 6 o'clock.

TRADE CHAT.

ON the eve of his departure for the West, W. O. Lott, ex-secretary-treasurer of the Mowat Hardware Co., Limited, Trenton, Ont., addressed a letter through The Trenton Advocate thanking his numerous friends for their past favors and patronage.

Singleton Bros., tinsmiths, of Carleton Place, Ont., have dissolved partnership, W. R. Singleton continuing.

The tender of $17,500 made by The Canadian General Electric Co. for the assets of The Diamond Machine and Screw Co., Limited, Toronto, which is in liquidation, has been accepted by the Master-in-Ordinary.

F. F. Quinn, of the firm of Geo. Stephens, Quinn & Douglas, hardware merchants, Chatham, Ont., has retired from the business, which will be continued by Stephens & Douglas.

On the ground that it is insolvent within the meaning of the Dominion Winding-Up Act, it was moved before Chief Justice Meredith, on January 20, that an order be granted winding up the Niagara Metallic Furniture Co. If the parties cannot agree on an interim liquidator, Chief Justice Meredith will name one.

NOVA SCOTIA MARKETS.

Halifax, January 20, 1902.

BUSINESS is fairly good in the hardware line, and dealers are looking forward to a good year's trade. For this reason the wholesalers are giving heavy orders in anticipation. Another inducement to order early is that spring delivery may be prompt, as all the manufacturers are now very busy and hard pressed to get out the orders already booked.

* * *

On the whole, the market conditions are firm, and, prices being generally at as low a record as expected, jobbers and retailers have no hesitation in making their stocks as complete as possible. The firmness of the iron and steel market in general gives the idea that there will be little, if any, reduction in prices.

* * *

Travellers are sending in numerous orders, which, if small, swell the general aggregate. This is especially so of the Cape Breton districts, where the activity in the Sydneys, resulting from the iron and steel plants, has been a great factor in increasing Halifax trade. The railroad building, which has been going on there for the last year, and will continue more extensively next summer, will make Port Hood, Port Hastings, Broad Cove, St. Peters and other points from there to Louisburg a great field for builders' supplies. Many Halifax firms have already large connections in this district, and their hustling travellers will see that their trade is held and increased.

* * *

A meeting of the Maritime Provinces hardwaremen took place at Truro on January 16. but they are very reticent as to the business transacted. In fact, the delegates are as close as oysters. Those present were: Ed. A. Everett, T. McAvity, T. C. Lee, H. A. Coates, B. J. Morris and R. B. Emerson, of St. John; G. S. Troops, P. Simmonds, W. B. Arthur, R. F. Stevens, A. M. Bell and G. H. Richards, of Halifax.

* * *

The first of the year announced a change in the well-known hardware firm of H. H. Fuller & Co., in the admission of George H. Richards and W. H. Sterns as members of the firm, both of whom have been long connected with the business. The former entered the business as a boy some 20 years ago; the latter had been bookkeeper for the firm for some 10 years. Both are cases of strict integrity combined with business ability receiving the reward which they merit.

* * *

The travelers in Cape Breton and along the South Shore are always bringing in some new story off the road. The latest going the rounds is to the effect that one morning the landlord asked his latest guest, a traveller, how he had slept during the night, and if his bed was comfortable? The drummer replied that the bed was comfortable, but that he had not slept, as he was troubled with insomnia. The landlord was mad; he called the drummer a pupil of Ananias; he wanted to put him out, and finally offered to give the drummer $5 for every one of "them bugs" he could find in the bed. These drummers are queer chaps. They either meet with some strange experiences, or else they have fertile imaginations.

R. C. H.

SUPPORTING THE I. B. & O. R. EXTENSION.

THE Lindsay Board of Trade, at a well-attended meeting on January 16, discussed a communication from L B. Howland, general manager of the Irondale, Bancroft and Ottawa Railway.

This communication informed the board that the above mentioned railway company have finally succeeded in securing financial backing from a prominent trust company in New York, and now were ready to complete their line, which had already been built from Kinmount on the G. T. R. to a point near Bancroft, Ont., by extending it from the latter point to a place at or near Coldwell Station on the Canadian Atlantic Railway, a distance of 60 miles from the end of the completed line. To insure this extension a 60-mile grant is required from the Dominion and a 45-mile grant from the Ontario Government, the latter having already subsidized 15 miles. As some difficulty was expected in the attainment of this, the support by strong and influential resolutions of the Lindsay Board of Trade was asked.

Mr. Howland also appeared before that board and pointed out, by the aid of maps, that the new line would tap the famous corundum mining region, would lead to the development of the fine water-power on the Madawaska river, and extend through Lindsay. Trade, consequently, would be greatly attracted in that direction, and the assistance of the board would very much help in the attainment of that object.

After considerable discussion, a committee, consisting of President J. D. Flavelle, R. J. McLaughlin, C. D. Barr, Wm. Steers and Secretary Sootheran, was appointed to draft memorials to be presented to the Dominion and Ontario Governments asking that subsidies be granted for the proposed extension.

R. BAILEY & SON

MANUFACTURERS OF

STOVE LININGS for Ranges and Ovens.

All kinds of Fire Brick and Fire Clay Work, Paving Tile, etc.

Wholesale Only. - - Write for particulars.

1220 Yonge Street, TORONTO.

ONTARIO SILVER CO., Limited,

NIAGARA FALLS, CANADA.

Manufacturers of **FLATWARE, CUTLERY and ELECTRO PLATE.** . . .

Ask for our Catalogue and Quotations.

The Grey and Bruce Portland Cement Company of Shallow Lake, Limited,

Manufacturers of

"HERCULES" BRAND OF

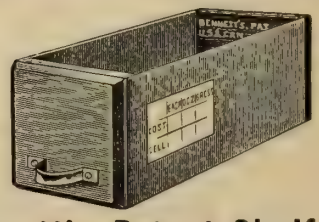
Portland Cement

Unsurpassed for Sidewalks, Floors, and all work requiring the Highest Grade of Portland Cement.

HEAD OFFICE: OWEN SOUND.

After Stocktaking

in the quiet time is the opportunity to equip with



Bennett's Patent Shelf Box

Write for our new discount sheets containing lower prices and 7 varieties in Shelf Boxes.

J. S. BENNETT, Patentee and Manufacturer, 15 MARION ST., **TORONTO**

"GLORIA" BULB LIGHTS

ALL GOOD THINGS ARE IMITATED

The "Gloria" Light, owing to its remarkable brilliancy and durability, has established itself among the retail hardware merchants as the cheapest and best value that can be offered to their customers to-day.

The increasing demand for the "Gloria" Triple Weave Mantle and its improved features over the Single Weave Mantles convinces merchants that without it they are losing trade.

The "Gloria" Triple Weave Mantle is of our own manufacture. We also carry full line of Incandescent Gas Supplies, and would be pleased to send you Price List.

THE UNITED INCANDESCENT LIGHT CO.

Phone Main 969. 7 Yonge St. Arcade, Toronto.

MANITOBA MARKETS.

WINNIPEG, January 20, 1902.

EVERYTHING now points to a brisk spring trade, that will probably open earlier than usual. There have been quite a number of changes made in the price lists for the week. Steel churns have been advanced, the discount being now 50 per cent. instead of 55. T and strap hinges are lower by 25c. Cut nails are lower by 15c. and wire nails 30c. On the other hand, manila rope has been advanced 50c. per cwt. Paints and oils are very quiet, as is usual at this season, and the only change to note is a drop of 2c. per gal. on linseed oils.

Price list for the week is as follows :

Barbed wire, 100 lb	$3 30
Plain twist	3 40
Staples	3 95
Oiled annealed wire, 10	3 85
" 11	3 90
" 12	3 95
" 13	4 10
" 14	4 25
" 15	4 35
Wire nails, 30 to 60 dy, keg	3 25
" 16 and 20	3 35
" 10	3 35
" 8	3 45
" 6	3 50
" 4	3 65
" 3	3 90
Cut nails, 30 to 60 dy	3 05
" 20 to 40	3 10
" 10 to 16	3 15
" 8	3 20
" 6	3 25
" 4	3 35
" 3	3 70
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to No 1	4 65
No. 2 and larger	4 40
Snow shoes, No. 0 to No. 1	4 90
No. 2 and larger	4 40
Steel, No. 0 to No. 1	4 95
No. 2 and larger	4 70
Bar iron, $2.70 basis.	
Swedish iron, $5.00 basis.	
Sleigh shoe steel	3 25
Spring steel	3 25
Machinery steel	3 75
Tool steel, Black Diamond, 100 lb	8 50
Jessop	13 00
Sheet iron, black, 10 to 20 gauge, 100 lb.	3 50
20 to 26 gauge	3 75
28 gauge	4 00
Galvanized American, 16 gauge	2 79
18 to 22 gauge	4 75
24 gauge	5 00
26 gauge	5 25
28 gauge	5 50
Genuine Russian, lb	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 75
26 gauge	8 00
28 gauge	8 50
Tinplate, IC charcoal, 20 x 28, box	11 00
" IX "	13 00
" IXX "	15 00
Ingot tin	33
Canada plate, 18 x 21 and 18 x 24	3 75
Sheet zinc, cask lots, 100 lb	7 00
Broken lots	7 50
Pig lead, 100 lb	6 00
Wrought pipe, black up to 2 inch	50 an 10 p.c.
" Over 2 inch	50 p.c.
Rope, sisal, 7-16 and larger	$13 00
" ⅜	13 50
" ¼ and 5-16	13 75
Manila, 7-16 and larger	16 50
" ⅜	17 00
" ¼ and 5-16	17 50
Solder	20
Cotton Rope, all sizes, lb	17
Axes, chopping	$ 7 50 to 12 00
" double bitts	12 00 to 18 00
Screws, flat head, iron, bright	87½
Round " "	82½
Flat " brass	80
Round " "	75
Coach	57½ p.c.
Bolts, carriage	50 p.c.
Machine	50 p.c.
Tire	60 p.c.
Sleigh shoe	65 p.c.
Plough	40 p.c.
Rivets, iron	50 p.c.
Copper, No. 8	35
Bluestone, cask lots	$5 50
Spades and shovels	40 p.c.
Harvest tools	70 p.c.
Axe handles, turned, s. g. hickory, doz.	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 75
No. 1	1 25
Files common	70, and 10 p.c.
Diamond	60
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	30 p.c.
" military	15 p.c.
American R.F.	30 p.c.
C.F. pistol	5 p.c.
C.F. military	10 p.c. advance.
Loaded shells :	
Eley's soft, 12 gauge black	16 50
chilled, 12 gauge	18 00
soft, 10 gauge	21 00
chilled, 10 gauge	23 00
Shot, Ordinary, per 100 lb	6 25
Chilled	6 75
Powder, F.F., keg	4 75
F.F.G.	5 00
Tinware, pressed, retinned	75 and 2½ p.c.
" " plain	70 and 15 p.c.
Graniteware, according to quality	50 p.c.

PETROLEUM.

Water white American	25½ c.
Prime white American	24c.
Water white Canadian	22c.
Prime white Canadian	21½ c.

PAINTS, OILS AND GLASS.

Turpentine, pure, in barrels	$ 62
Less than barrel lots	67
Linseed oil, raw	82
Boiled	85
Lubricating oils, Eldorado castor	27½
Eldorado engine	26½
Atlantic red	29½
Renown engine	41
Black oil	19½
Cylinder oil (according to grade)	55 to 74
Harness oil	65
Neatsfoot oil	$ 1 00
Steam refined oil	85
Sperm oil	2 00
Castor oil, per lb.	11½
Glass, single glass, first break, 16 to 25 united inches	2 50
26 to 40, per 50 ft.	2 75
41 to 50, " 100 ft.	6 00
51 to 60, " " "	6 50
61 to 70, per 100-ft. boxes	7 00
Putty, in bladders, barrel lots, per lb.	2½
kegs "	2¾
White lead, pure, per cwt.	6 50
No. 1 "	6 00
Prepared paints, pure liquid colors, according to shade and color, per gal.	$1.30 to $1.90

NOTES.

Geo. W. Erb, Western manager for The Waterous Engine Works Co., has left for an extended eastern trip, combining business with pleasure.

A recent number of The Manitoba Gazette contains notice of the issue of letters patent to The Winnipeg Machinery Co. The capital is $40,000.

R. S. Cochrane, Western representative of The J. B. Armstrong Manufacturing Co., leaves to day for an extended trip to Western and Coast points, and will be absent about six weeks.

This season 175,000 tons of ore have been shipped from Wabana, N.S., to Rotterdam, Holland, by The Nova Scotia Steel and Coal Co.



THE PAINTERS PERFECT WHITE LEAD

is beautifully soft and fine in the grain. It mixes well with Linseed Oil, forming a creamy smooth paint of great covering power and undoubted durability. Every atom is paint — perfect paint — and there is no loss or residue of any kind. The Painters Perfect White Lead has become very popular everywhere. Book early to ensure early shipment.



THE CANADA PAINT COMPANY LIMITED

Montreal and Toronto.

HEATING AND PLUMBING

BUILDING PERMITS IN TORONTO.

OF course, building operations cannot be expected to be so brisk in mid-winter as in other times of the year, still a considerable number of buildings are being erected in Toronto. Since last Thursday the following permits have been taken out from the Toronto City Commissioner's office: Wm. Clark, for a pair of brick semi-detached two-storey and attic dwellings on Shaw street, to cost $2,300; W. J. McRea, for a pair of semi-detached two storey and attic brick residences on Withrow avenue, to cost $6,000; The Fairles Milling Co., for the erection of a one-storey brick store on Dundas street, to cost $2,000; Joseph Henderson, for a pair of semi detached two storey and attic brick dwellings on the corner of Maple avenue and Glen Road, to cost $8,500; Buckenden Bros., for six attached, two-storey brick-fronted dwellings with roughcast sides and rear on Logan avenue, to cost $4,800; The Standard Chemical Co., for a one-storey wooden shed, covered with galvanized non-corrosive iron, on Spadina avenue, to cost $100; S. McCord, for a two-storey brick stable in rear of 696 Queen street east, to cost $450; the Dominion Government, for brick and stone alterations to the armouries, on University avenue, to cost $2,000; John C. Green, for inside alterations of wood and glass to his store at 56 Bay street, to cost $400; Joseph P. Cameron, for a one-storey brick addition to his factory in rear of 486 Yonge street, to cost $300; Miss Hannah Thomas, for a pair of semi-detached two-storey and attic brick dwellings on Lindsay avenue, to cost $3,500, and Andrew Nelson, for two pair of two-storey and attic brick dwellings at 27-33 Lansdowne avenue, to cost $10,000.

A HANDSOME NEW BUILDING FOR MONTREAL.

During the coming year a handsome new building of Indiana limestone, four storeys in height, is to be erected by R. J. Indes, on St. Catherine street west, Montreal. The plans call for a structure of the style known as French renaissance, the front to be relieved by elaborate stone carvings, and the whole enriched by a medallion cornice of the same material as the main body of the building. To the main part of the structure will be a fine entrance, with a tile floor and marble base, in the rear of which will be the main staircase and a passage elevator with an iron enclosure. There will be two large stores on the ground floor, the chief of which will be finished throughout in quarter oak, with tapestry fabric on the wall, and a heavy oak ceiling. A leading feature will be an oak mantel-piece, richly carved and set out with solid bronze panels and marble. The upper floors of the new block will be laid out in business offices, and the top will serve as a clubroom or a studio.

PLUMBING AND HEATING CONTRACTS.

The John Ritchie Plumbing and Heating Co., Limited, Toronto, have secured the contract for the remodelling of the plumbing and heating appliances of a residence on 15 St. Patrick street, Toronto, for F. W. Varey.

SOME BUILDING NOTES.

M. Packenham will build a new factory and store at Dresden, Ont.

It is reported that W. Renfound will also erect a new brick block at Dresden.

Several warehouses for storing wheat and grain have been erected at Qu'Appelle, N.W.T.

John Fost will immediately commence work on the erection of a new brick residence at Dresden, Ont.

Tenders for the residence of S. G. Shaw, Chatham, Ont., have been opened, and the contracts will soon be awarded.

At Crofton, B.C., contracts have just been let for the erection of a new frame two storey hotel having accommodation for 75 guests.

Henderson & Dorner are preparing material for the construction of their new hotel at Maple Creek, near Medicine Hat, N.W.T.

At Rapid City, Man., it is proposed to submit a by-law to the ratepayers authorizing the borrowing of $8,000 for the construction of a new four-roomed brick schoolhouse.

TENDERS FOR EXHIBITION BUILDINGS.

In connection with the proposed new Exhibition buildings at Toronto it is announced that Gouinlock & Taylor have been invited to tender for the Main Building for $106,000; Beaumont Jarvis for the Art Gallery for $10,000 and Grey & Gregg for the Dairy Building to cost $14,000. These tenders are now before the Parks and Exhibition Committee of the Toronto City Council.

SEWAGE EXPERIMENTAL STATION.

ON January 22, a deputation consisting of representatives from many important towns and cities of Ontario waited on the Provincial Government with a request that an experimental station might be established to ascertain how sewage might be disposed of to the best advantage.

The deputation, which was introduced by L. J. Breithaupt, M.P.P., consisted of Mayor Eden, Ald. Krauz, Ald. Honsberger and Mr. George Laing, Berlin; Mayor Wood and Ald. Leitch, Brantford; Mayor Stamp and Ald. Savage, Stratford; Mayor Mearnes and Dr. Rice, Woodstock; Mayor Kennedy and Ald. Barber, Guelph; Mayor Watson, Listowel; Mayor Ingle and Ald. Burrows, Lindsay; Mayor Hawk and Ald. Jaffray, Galt.

It was pointed out that many towns had found this problem very difficult to deal with, as many places found difficulty in disposing of the sewage so as to prevent disease and the creation of nuisances in their vicinity. Mayor Stamp explained the method they have in use at Stratford, known as the septic tank system, which had given them general satisfaction. The representatives from other towns quoted cases where their municipalities had gotten into trouble through the pollution of streams and other means. Tanneries and pork factories have always found it very difficult to dispose of their sewage.

The deputation approved of a suggestion made by Ald. Jaffray, of Galt, which was for the Government to appoint an engineer to consult on such matters with local engineers.

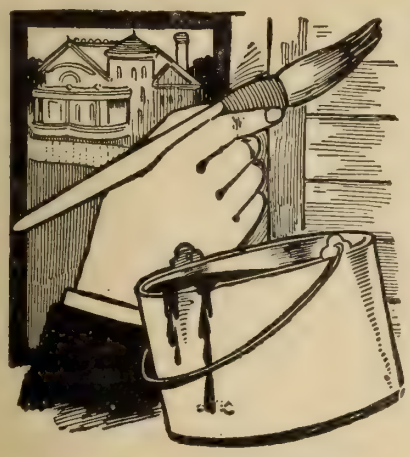
The Premier said that this was a very important subject, and a solution of this problem might be found by seeking abroad or experimenting at home. The subject was of such importance as to warrant discussion with his colleagues, and he thought that they might find their way clear to assist Berlin or some other town in making experiments. The septic system was cheap and they all seemed to have confidence in it. He will make an announcement of his course in a week or so.

GARBAGE DESTRUCTOR RECOMMENDED.

In his first fortnightly report for 1902, Engineer Rust recommended to the Toronto City Council the construction of a small destructor at the Island, the cost of which will be about $2,000. This would do away with the present unsatisfactory and unsanitary methods now in vogue, concerning which many complaints have been made. He thinks it advisable that an interim appropriation should be made at once, so that the building will be ready by May 1.

PREPARING FOR PAINT BUSINESS?

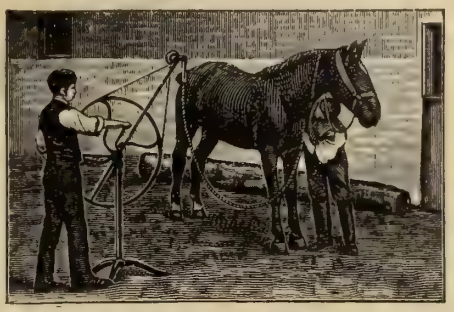
We are—so should you! It's going to be a big one in '02 and there's going to be money in it, too. There will be money in it if you get the paint that coaxes money out. **RAMSAYS PAINT** will enable you to get your slice of that 1902 rush for paint, because it is a paint to coax the money out—well advertised—nicely put—neat selling cards—pretty colors—everybody knows it—known it for years. **RAMSAYS PAINT** goes on to stay on, to establish a reputation for you, for us, for everybody using it. We can send you a booklet telling all about it if you wish, or our travellers will run to talk with you if you say so. **RAMSAYS PAINT** is for business, reputation and money.



A. RAMSAY & SON
MONTREAL
The Paint Makers.
Established 1842.

BURMAN & SONS' CELEBRATED CLIPPERS

Established 1871. **BIRMINGHAM, ENG.** for Horsemen and Barbers.

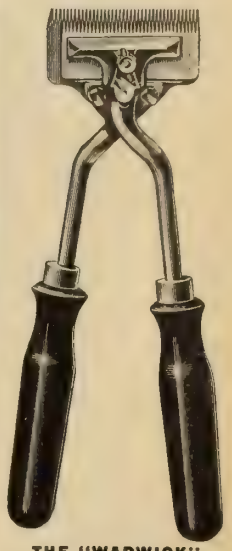


NO. 3—POWER CLIPPER, with "Wrist Joint."
As supplied to { The Czar of Russia. The King of Denmark. Earl Roberts, Etc., Etc.



THE "LEOPOLD" TOILET.

NO. 297.



THE "WARWICK" CLIPPER.
Cuts over three teeth.
As supplied to His Majesty's War Department.

SEND FOR PRICE LIST AND TERMS.

To be obtained from all the principal Jobbers throughout the Dominion.

BUSINESS NEWS

of any kind that is of value to business men supplied by our Bureau. We can give you market quotations from any town in Canada, reports from the city markets, stock quotations, etc. You can get commercial news from any Canadian paper through us.

Write us, giving us particulars of what you want and where you want it from, and we will quote you prices by return.

"Clippings from any Canadian paper on any subject,"

CANADIAN PRESS CLIPPING BUREAU,

232 McGill Street, MONTREAL, QUE.
Telephone Main 1255.
10 Front St. East, Toronto. Telephone 2701



You may be looking for a Good

Pipe Hanger.

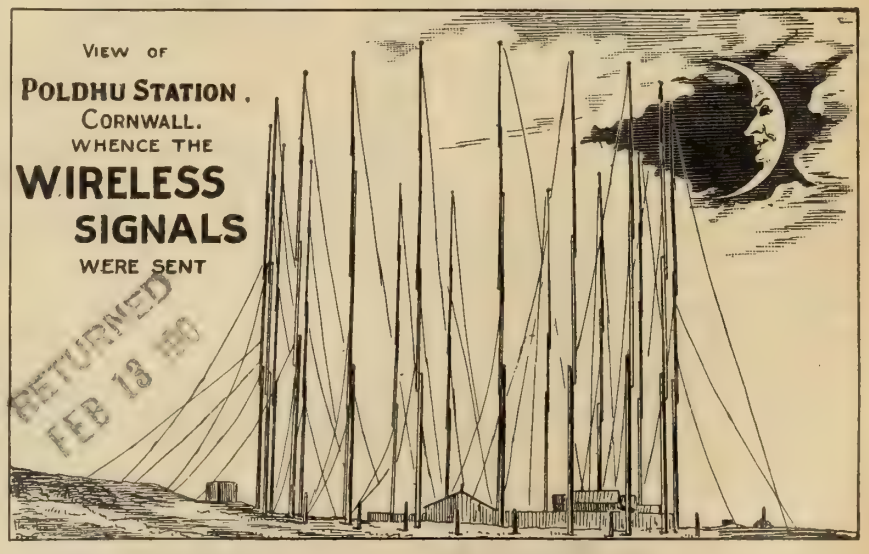
Ask us about

the "Grabler."

We send you booklet illustrating the different kinds.

The James Morrison Brass Mfg. Co.
TORONTO. Limited.

BUSINESS FOR MARCONI.



The man in the moon
Will want to know soon
Where he can buy **ALABASTINE,**
Marconi will say
It is made in Paris, Canada,
And is the wall-coating everlasting.

That dealers on earth
Know its great worth
And stock it from Maine to Alaska,
There is no nonsense, they tell,
The only wall-coating that will sell
Is the beautiful and durable **ALABASTINE.**

The point that we wish to impress on the trade is, that Marconi is a great man, and that **ALABASTINE** is great goods—both just now are being extensively advertised.

ALABASTINE is going to sell, and we hope for Marconi—Well?
That his experiments will succeed,
And he be a benefactor indeed,
As was the man, who, in the wall-decorating line,
Invented, developed and manufactured
CHURCH'S COLD WATER ALABASTINE.

The trade supplied by Wholesale Hardware and Paint Dealers. Also by
THE ALABASTINE CO. LIMITED, PARIS, ONT.

THE YEAR OF 1901 IN THE KLONDYKE.

By James Harold Thompson.

IT is the history of a "Placer Mining Camp" that its life is short and eventful, while it lasts, and that it springs rocket-like into prominence and sinks gradually after having reached its years of plenty into a thing of the past.

The Klondyke has reached the crucial year of its existence. "For hope's sake" many have continued their confidence in the future of Dawson; the hub of which has been the richest placer-mining camp of this and possibly any other decade. The hope of those interested in commercial enterprises along the Canadian Yukon is the discovery of quartz in paying quantities.

As to the future of the mining district which in 1897 so startled the world and which since then has been such an abundant gold producer, known as the Klondyke mining district of the Northwest Territory of Canada, its future depends upon the discovery of well-placed quartz. It is acknowledged by the conservative knowing ones that the days of big profits in mining and commercial enterprises are past and are only present now in reminiscence. Overland and water navigation from the coast, with its difficulties, are now subject to modern systems of railroad and steamboat transportation, and when the Arctic winter has put its seal upon this northern country, the telegraph daily voices the events of the world in Dawson.

Heretofore merchants and tradesmen reaped big harvests, 100 per cent. being not an uncommon profit. Yet, it was seldom that capital profited its owner more than once a year because of navigation and railroad facilities. The short season beginning in June and ending in October, coupled with the lack of telegraphic communication, allowed time for but one shipment during the year. As a consequence the necessities of life were ofttimes cornered and prices in some instances reached prodigious heights. As competition became a factor many of the larger commercial enterprises drew together and amalgamated their interests. Two companies now control the market. In every department of mercantilism competition is keen, excepting in one which is a very essential one here. That one is the oil trade. The Standard Oil Company has complete control, and it retails a case of kerosene at $12.50 per case. The same case of oil sells for from $2 to $3 in the States. Merchandise is delivered in Dawson for from $70 to $90 per ton, just about half of what it was in 1899. And yet this price is deemed abnormal by the importers and a strenuous effort is being made to have it reduced to $50 per ton. The cost of mining has been cheapened by the use of steam and machinery, enlarging the yearly output of gold much over what it would have been under the crude methods of the "sour dough."

Government regulations have somewhat hampered the prospector, but withal he has been quite vigilant and has as yet discovered nothing since 1898 to perpetuate the reputation the Klondyke has had as a gold producer. Claims upon the banner creeks whose reputations as gold mines have equaled the wildest hopes of the pioneer-prospector are gradually being deserted and to-day half, I might say two-thirds, of Eldorado Creek has been worked out. The same is true of the other rich spots of a few years past. The life of the camp, from what is in sight, can be estimated at this date.

Prospecting for quartz is occupying the attention of many hard-rock miners along the Yukon and its tributaries. Upon the successful solution of the quartz question depends the present prominence of Dawson as a mining camp, and it is the one thing talked of and hoped for by the present inhabitants of this district. As yet nothing of any permanent value has been discovered, although many of the numberless claims staked and recorded are being worked quite thoroughly. Companies have been formed and their stock is on the market. Their hope is that the present prospects will lead to the substantial vein, or the "Mother Lode," as it is called. To facilitate the sorting, handling and assaying of these prospects two fine stamp mills have been erected in Dawson and are now crushing quartz rock.

Prior to the discovery of the Klondyke district it was found practical to thaw the frozen earth to almost any depth by the use of wood fires. Hence as the gold lies in or above the bed rock ground, when the bed rock was 100 feet below the surface it could be worked as well as that of 25 feet. The winter season being the longest and dryest season it became the busy season for the miner. But steam and machinery have reversed this order of things, and as in the days of the oldest "sour-dough" miner, summer, although the season is but six months long, has become the time of activity. The majority of heavy operators discontinue altogether the operation of their properties and spend the winter months at their ancestral homes, wherever they may be. As a consequence, the work accomplished this winter will not compare at all favorably with that done during the preceding winters. It also means a busy summer season for 1902. Considering those changes, the consenus of opinion of those conversant with this district is that the output of gold will decrease from this year.

Gold mining will continue here for some time. This is the history of similar camps. Capital will gradually withdraw, and individuals who will be content with wages for their labor will work the old workings. These are known as "snipers" in the vernacular of the miner.

The development of the unknown resources of the vast land known as Alaska and the Northwest Territory should be of constant interest to the farmer, merchant and manufacturer of the United States and Canada. Directly and indirectly it is of vital importance to these mother countries. The actual necessities of the man living next door, too, and within the Arctic circle will support a larger portion of labor than the similar necessities of any individual living in any other portion of the globe. Good, pure food; plenty of it; abundance of well-made clothing are absolute necessities for the health and preservation of life in this cold climate. If peopled as it should be, were the resources of this vast territory opened up in a limited degree, the commercial world of the North-American continent would have a market open to their products which would be the surest in times of depression, the most profitable and congenial for the absorption of the congested material.

Experiments have proved that the hardier cereals and vegetables can be successfully raised within the Arctic circle, but the season is so short that competition in this line will not become a factor for many years, The advent in the manufacturing line, factories, etc., is not to be considered. Beef has thus far come from the Western States and British Columbia, and the winters are found too severe for stock-raising.

Legislation can greatly facilitate the work of those who are destined to develop and pioneer the many industries which will some day flourish here.—Scientific American.

WAREHOUSES AT WINNIPEG AND VANCOUVER.

The Francis-Frost Co., Limited, Toronto, has made wonderful strides in placing its "Ark" Brand Paint. Last fall they established a warehouse in Vancouver, and thus relieved the Toronto house of the Coast trade. Later, they were compelled to seek larger premises at headquarters, in order to cope with the Ontario trade, and now they have found it necessary to place a warehouse in Winnipeg to meet the steadily-increasing demand in Manitoba and the Territories.

As Hardware and Metal noted a couple of weeks ago, The Francis-Frost Co., Limited, Toronto, has recently issued a handsome catalogue.

WE have the nicest set of Hose samples ever shown to the Canadian trade. Don't fail to see them.

HOSE

GARDEN STEAM SUCTION ETC.

Send for samples and quotations.

WE make Hose of all kinds for all purposes. Our equipment is the most modern and our goods are perfection.

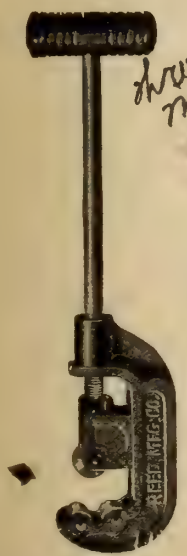
MANUFACTURED BY

THE DURHAM RUBBER CO., LIMITED

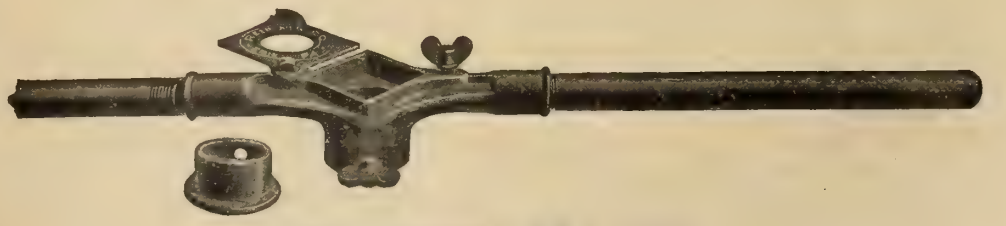
Bowmanville, Ont.

REED'S PIPE TOOLS

Steamfitting and Hardware Specialties.



Standard Roller Pipe Cutter.



PIPE STOCKS AND DIES.



Standard Three Wheel Pipe Cutter.

. . . For Prices and Catalogues, write . . .

The Fairbanks Company, 747 to 749 Craig Street, Montreal.

DECLINE IN U.S. PIG IRON OUTPUT.

THE last week's issue of The Iron Age, in discussing the number of blast furnaces in operation, says: "The furnace capacity working on January 1 reflects to some extent the troubles which have beset the managers during the last two months of the year. Quite a number of stacks have been blown out, and others have been banked again and again during December. Stocks of anthracite and coke iron show little change so far as the total is concerned. This is due to the fact that some of the makers have been unable to ship their current make, and, in some cases, notably in the South, have accumulated some iron. It is probable that if figures were available for consumers' stocks a considerable absorption of iron would be shown.

"The weekly capacity of the furnaces in blast on January 1 compares as follows with that of the preceding periods:

	Furnaces in Blast	Capacity Per Week. Gross Tons.
January 1, 1902	264	298,460
December 1, 1901	266	324,761
November 1	259	320,824
October 1	246	307,982
September 1	235	299,861
August 1	257	333,847
July 1	249	310,950
June 1	252	3.4,505
May 1	256	301,115
April 1	250	295,676
March 1	248	292,899
February 1	245	278 258
January 1	233	250,351
December 1, 1900	211	248,846

"The position of furnace stocks, sold and unsold, as reported to us, was as below on January 1, as compared with the five preceding months, the same furnaces being represented as in former months. This does not include the holdings of the steel works producing their own iron.

Stocks.	Aug. 1.	Sept 1.	Oct. 1.
Anthracite and coke	328,787	318,069	299,824
Charcoal	58,542	62,005	61,769
Totals	387,329	380,074	361,593

Stocks.	Nov. 1.	Dec. 1.	Jan. 1.
Anthracite and coke	223,089	181,021	179,993
Charcoal	50,162	42,441	36,144
Totals	273,251	223,462	216.137

GOING TO CHINA.

W. P. Millar, manager of the stove and furnace department of The James Smart Manufacturing Co., Brockville, since August 1895, has resigned to accept the position of superintedent of agencies for the China Mutual Insurance Co., of Shanghai, China. Mr. Millar expects to leave Brockville about February 15, but his family will remain there for a time at least. The Brockville Recorder says: "Mr. Millar's departure from Brockville will be regretted by a large circle of friends formed during the time of his residence here, but who will join The Recorder in congratulating him on his appointment to such an important and lucrative position, and wishing him all success in his new sphere."

THE FIRST IRON VESSEL IN GREAT BRITAIN.

By Ansley Irvine.

IT is interesting to note that it was as early as the year 1809 that Robert Dickenson, the eminent inventor, first suggested to the Admiralty a scheme by which the old wooden ships of the Royal Navy were to be gradually replaced by vessels built of iron, and thus make the English fleet incomparably stronger than any combination that could be brought together by foreign nations.

The proposed innovation was promised due consideration, and, in 1830, 21 years afterwards, the conclusion arrived at by the Admiralty was that iron vessels would be practically useless in the line of action and totally unmanageable in a storm! Absurd as the assertion now appears, it was, nevertheless, ardently supported by Dr. Lardner, a scientific authority, who said the idea was perfectly chimerical, and that there was about as much chance of an iron boat reaching New York as there was of its voyage to the moon.

A fierce storm of invective and derision was waged against all who had the temerity to hold an opinion contrary to the Admiralty and their "scientific" supporters. But Thomas Wilson, a young Scotch boat-builder, ignored the bigoted opposition, and, in 1816, commenced to build a boat of iron at Fasken, Scotland. She was named the Vulcan. Her dimensions were 60 ft. in length, 12 ft. in breadth and 5 ft. in depth. All the plates, rivets and angle-irons were made over the anvil by Wilson and his blacksmith. The plates were fixed perpendicularly, or boiler-fashion, not horizontally, as in modern iron ships. The boat was specially constructed for the passenger service on the Monkland Canal, and plied between Port Dundas and Lock No. 16.—Scientific American.

FREDERICTON BOARD OF TRADE.

THE Fredericton, N.B., Board of Trade recently held its annual meeting with President Edgcombe in the chair.

The president, in his address, noted the success of the Provincial Exhibition, which was mainly owing to the support of the local board of trade, the movement to establish a steamship line between Fredericton and Woodstock and the dredging of their harbor-front last summer. He urged the construction of a union depot for the different railways centreing in Frederickton.

In the Tourists' Association report, next presented, mention was made of the Sportsman's Shows in New York, Chicago and Philadelphia since the last annual meeting of the board, at which were distributed large numbers of the Fredericton booklet. It was stated that a new edition of their tourist booklet, comprising 10,000 copies, was issued in July last, and the visit of the Upper Province Press Association was noted. They (the tourist committee) had also addressed a letter to the Chief Commissioner of Public Works of New Brunswick suggesting that a book in which visitors could write their names and addresses be placed in the Parliament Buildings, which was acted upon.

The treasurer reported receipts of $971.02 and an expenditure of $608.35, leaving a balance of $272 67.

Apollo galvanized iron commands more money and shorter credit—at wholesale—than any other—but saves the worker money.

American Sheet Steel Company, New York

Representatives for Canada
B. & S. H. Thompson & Company
26 St. Sulpice Street
Montreal

"MIDLAND"
BRAND
Foundry Pig Iron.

Made from carefully selected Lake Superior Ores, with Connellsville Coke as fuel, "Midland" will rival in quality and grading the very best of the imported brands.

Write for Prices to Sales Agents

Drummond, McCall & Co.
or to MONTREAL, QUE.
Canada Iron Furnace Co.
MIDLAND, ONT. Limited

"The Peerless"
is the best Bolster Spring ever produced. A fine line for the hardware trade. Write Us For Prices.



James Warnock & Co. = Galt, Ont.

CURRENT MARKET QUOTATIONS.

January 24, 1902.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag and Straits—56 and 28 lb. ingots, 100 lb.	29 00	30 00

Tinplates.

Charcoal Plates—Bright		
M.L.S., equal to Bradley		Per box
I.C., usual sizes	....	$6 75
I.X., "	....	8 25
I.X.X., "	....	9 75
Famous—		
I.C.	....	6 75
I.X	....	8 25
I.X.X	....	9 75
Raven & Vulture Grades—		
I.C., usual sizes	....	5 00
I.X., "	....	6 00
I.X.X "	....	7 00
I.XXX., "	....	8 00
D.C., 12½x17	....	4 50
D.X	....	5 25
D.X.X	....	6 00
Coke Plates—Bright		
Bessemer Steel—		
I.C., usual sizes	....	4 25
I.C., special sizes, base	....	4 60
20 x 28	....	9 00
Charcoal Plates—Terne		
Dean or J. G. Grade—		
I.C., 20x28, 112 sheets	....	8 50
I.X., Terne Tin	....	10 50
Charcoal Tin Boiler Plates		
Cookley Grade—		Per lb.
X X., 14x56, 50 sheet bxs	....	0 06½
" 14x60, "		
" 14x65, "		
Tinned Sheets		
22x30 up to 24 gauge	....	0 07½
" 26 "	....	0 08

Iron and Steel.

Common Bar, per 100 lbs	1 95	2 05
Refined "	....	2 45
Horse Shoe Iron "	....	2 40
Hoop steel, 1½ to 3 in. base,		3 10
Sleigh Shoe Steel " base	....	2 10
Tire Steel	2 30	2 50
Reeled Machinery	....	3 00
Toe Calk Steel	2 85	3 00
T. Firth & Co's tool steel, per lb	0 12½	0 13
Jessop's tool Steel	....	0 14
Morton's tool steel	0 12½	0 13
Black Diamond and "B.C." tool steel	0 10	0 11
Chas. Leonard's tool steel	0 08	0 09
Drill Steel, per lb	0 08	0 10

Boiler Tubes.

1½-inch	....	0 12½
"	....	0 13
2½ "	....	0 15
3 "	....	0 16
3½ "	....	0 20
4 "	....	0 25

Steel Boiler Plate.

¼ inch	2 50	2 60
5-16 inch	2 60	2 70
⅜ inch and thicker	2 50	2 60

Black Sheets.

	Com.	D.Fl.
18 gauge	2 85	3 00
20 gauge	2 85	3 00
22 to 24 "	2 95	3 25
26 "	3 05	3 50
28 "	3 15	....

Canada Plates.

All dull, 52 sheets	....	3 00
Half polished	....	3 10
All bright	....	3 75

Iron Pipe.

Black pipe—	Per 100 Feet.
⅛ inch	4 65
¼ "	3 40
⅜ "	3 45
½ "	3 70
¾ "	3 85
1 "	5 40
1¼ "	7 70
1½ "	9 20
2 "	12 50
2½ "	24 00
3 "	28 00
3½ "	36 00
4 "	43 00
4½ "	50 00
5 "	57 00
6 "	73 00
Galvanized pipe—	
⅛ inch	5 15
¾ "	5 50
1 "	7 95
1¼ "	10 80
1½ "	12 95
2 "	17 35

5 p. c. off to preferred buyers.

Galvanized Sheets.

	G C. Comet.	Amer.	Queen's Head.
16 gauge	....	....	....
18 to 24 gauge	4 05 3 75	....	4 05
26 "	4 25 4 00	....	4 25
28 "	4 50 4 25	....	4 50

Less than case lots 10 to 15c. extra.
28 gauge American equals 26 gauge English.

Chain.

Proof Coil, 3-16 in., per 100 lb	....	....
" ¼ " "	7 85	8 10
" 5-16 " "	4 95	5 25
" ⅜ " "	4 35	4 60
" 7-16 " "	4 15	4 40
" ½ " "	4 00	4 25
" 9-16 " "	3 90	4 15
" ⅝ " "	3 80	4 05
" ¾ " "	3 85	4 10

Halter kennel and post chains, 40 to 40 and 5 p.c.
Cow ties ..... 40 p.c.
Tie-out chains ..... 65 p.c.
Stall fixtures ..... 35 p.c.
Trace chain ..... 45 p.c.
Jack chain, iron, single and double, discount 35 p.c.
Jack chain, brass, single and double, discount 40 p.c.

Copper.

	Ingot	Per 100 lb.
English B. S., ton lots	....	15 00
Lake Superior	....	....
Bars.		
Cut lengths round, ½ to ⅞ in.	23 00	25 00
" round and square 1 to 2 inches	23 00	25 00
Sheet.		
Plain, 14 oz., and light, 16 oz., 14x48 and 14x60	24 00	24 50
Plain, 14 oz., and light, 16 oz., irregular sizes	24 50	25 00
Tinned copper sheets	....	26 00
Planished	....	32 00
Braziers (In sheets.)		
4x6ft. 25 to 30 lbs. ea., per lb.	....	0 25
" 35 to 45 "	....	0 24
" 50-lb. and above, "	....	0 23
Boiler and T. K. Pitts		
Plain Tinned, per lb	....	0 28
Spun, per lb	....	0 32

Copper Ware.

Discount, 50 per cent.

Brass.

Rod and Sheet, 14 to 30 gauge, 10 per cent.		
Sheets, hard-rolled, 2x4	....	0 23
Tubing, base, per lb	....	0 25½

Zinc Spelter

Foreign, per lb	0 05½	0 06
Domestic "	....	..

Zinc Sheet.

5-cwt. casks	6 00	6 25
Part casks	0 06	0 06¼

Lead.

Imported Pig, per 100 lb	3 50	3 75
Bar, 1 lb	....	0 05
Sheets, 2½ lbs. sq. ft., by	....	0 06¼
Sheets, 3 to 6 lbs., "	....	0 06

NOTE.—Cut sheets ½ cent per lb. extra.
Pipe, by the roll, usual weights per yard, lists at 7c. per lb. and 35 p.c. dis. f.o.b. Toronto.
NOTE.—Cut lengths, net price, waste pipe 3-ft. lengths lists at 7½ cents.

Shot.

Common, $6.50 per 100 lb.; chilled, $7.00 per 100 lb.; buck, seal and ball, $7.50. Discount, 22½ p.c. Prices are f.o.b. Toronto, Hamilton, Montreal, St. John and Halifax. Terms 3 per cent. cash, freights equalized.

Soil Pipe and Fittings.

Discount, 60 and 10 per cent. on medium and extra heavy, and 60 per cent. on light.

Solder.

	Per lb.	Per lb.
Bar half-and-half, guarant'd	....	0 19
Bar half-and-half, commer'l	....	0 18½
Refined	....	0 18
Wiping	....	0 17½

Antimony.

Cookson's, per lb	0 10	0 11

White Lead.

	Per 100 lb.
Pure	5 87½
No. 1	5 50
No. 2	5 12½
No. 3	4 75
No. 4	4 37½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B B. Genuine	8 25
" " No. 1	7 50

Above prices are for 25 lb. and upwards.

Red Lead.

Genuine, 560 lb. casks, per cwt.	$4 75
Genuine, 100 lb. kegs, per cwt.	5 00
No. 1, 560 lb. casks, per cwt.	4 25
No. 1, 100 lb. kegs, per cwt.	4 50

White Zinc.

Extra Red Seal	0 06	0 08
No. 1	0 05½	0 07
No. 2	0 05	0 06

Dry White Lead.

Pure, casks	5 25
Pure, kegs	5 50
No. 1, casks	5 00
No. 1, kegs	5 25

Prepared Paints.

In ¼, ⅛ and 1 gallon tins.

Pure, per gallon	....	1 25
Second qualities, per gallon	....	1 10
Barn (in bbls.)	0 60	0 90
The Sherwin-Williams Paints	....	1 40
Canada Paint Co's Pure	....	1 25
Toronto Lead & Color Co's Pure	....	1 25
Sanderson Pearcy's Pure	....	1 20
Stewart & Wood's Champion Pure		1 20

Colors in Oil.

25 lb. tins, Standard Quality.

Venetian Red, per lb	0 04½	0 06
Chrome Yellow	0 12	0 14
Golden Ochre	0 08	0 10
French "	....	0 06
Marine Black	....	0 09
Chrome Green	....	0 10
French Imperial Green	....	0 12
Sign Writers' Black	....	0 16
Burnt Umber	....	0 11
" Sienna	....	0 11
Raw Umber	....	0 11
" Sienna	....	0 11

Colors, Dry.

Common Ochre bbls	1 20	1 30
Yellow Ochre J.F.L.S.), bbls	....	2 00
Yellow Ochre (La Belle)	1 15	1 25
Brussels Ochre	....	2 00
Venetian Red (best), bbl	1 75	2 00
English Oxides, per cwt.	3 00	3 25
American Oxides, bbls.	1 25	2 00
Canadian Oxides, bbls.	1 25	1 75
Super Magnetic Oxides, 93p.c.	2 00	2 25
Burnt Sienna, pure, per lb.	....	0 10
" Umber, " "	....	0 10
do Raw	....	0 09
Drop Black, pure	....	0 09
Chrome Yellows, pure	....	0 18
Chrome Greens, pure, per lb.	0 09	0 10
Golden Ochre	0 04	0 05
Ultramarine Blue in 28-lb. boxes, per lb	0 06	0 18
Fire Proof Mineral, per 100 lb	....	1 00
Genuine Eng. Litharge, per lb	....	0 07
Mortar Color, per 100 lb	1 25	1 50
Pure Indian Red, No. 45 lb.	0 08	0 10
Whiting, bbl	0 55	0 60
English Vermillion in 30-lb. bags		0 95

Paris Green.

	per lb.
Petroleum Casks	16¾
Arsenic Kegs	17
50-lb. and 100-lb. drums	17½
25-lb. drums	18
1-lb. packages	18½
½-lb. do	20½
1-lb. tins	19½
½-lb do	21½

F.O.B. Montreal. Terms—3 p. c. off 30 days, or 4 mos. from date of de ivery.

Blue Stone.

Casks, for spraying, per lb	0 07	
100-lb. lots, do. per lb	0 08	

Putty.

Bulk in bbls.	1 90	
Bulk in less quantity	2 05	
Bladders in bbls	2 25	
Bladders in kegs, boxes or loose	2 40	
Bladders in 25-lb. tins	2 35	
Bladders in 12½-lb. tins	2 65	
Bladders in bulk or tins less than 100 lb	2 90	

Varnishes.

In 5-gal. lots.	Per gal.	net.
Carriage, No. 1	1 50	1 60
Pale Durable body	4 10	4 25
" rubbing	2 85	3 00
Gold Size, Japan	2 85	3 00
No. 1 Brown Japan	....	0 85
Elastic Oak	....	1 50
Furniture, extra	....	1 25
" No. 1	....	0 85
Hard Oil Finish	1 85	1 75
Light Oil Finish	1 40	1 60
Demar	1 70	1 80
Shellac, white	2 30	2 45
" orange	2 25	2 35
Turpentine Brown Japan	....	1 25
" Black Japan	0 85	0 90
" No. 1	0 70	0 75

Elastillite Varnish 1 gal. can, each, $3.00.
Granitine Floor Finish per gal., $2.75.

Maple Leaf Coach Enamels; Size 1, $1 20
Size 2, 70c.; Size 3, 40c. each.

Castor Oil.

East India, in cases, per lb	0 09½	0 10
" " small lots	0 10	0 10½

Cod Oil, Etc.

Cod Oil per gal	0 50	0 55
Pure Olive	....	1 20
" Neatsfoot	....	90

Glue.

Common	0 08½	0 08
French Medal	0 14	0 14½
Cabinet sheet	0 12	
White, extra	0 18	
Gelatine	0 22	0 30
Strip	0 18	
Coopers	0 19	
Huttner	....	

JOSEPH RODGERS & SONS

Limited

SHEFFIELD, ENGLAND.

Each blade of our Goods bears the exact mark here represented.



JAMES HUTTON & CO., MONTREAL SOLE AGENTS IN CANADA.

HARDWARE.

Ammunition.

Cartridges.

B. B Caps Dom. 50 and 5 per cent
Rim Fire Pistol, dis. 40 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Central Fire Pistol and Rifle, 10 p.c. Amer.
Central Fire Cartridges, pistol sizes Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 per cent.
Central Fire, Military and Sporting, Amer. add 5 p.c. to list. B.B. Caps, discount 40 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 10 p c. advance on list.
Brass Shot Shells, 55 per cent.
Primers, Dom., 30 per cent.; American, $1.60.

Wads	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb. bags	70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	

Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 20 per cent.

Anvils.

Wright's, 80-lb. and over	0 10¾
Hay Budden, 80-lb. and over	0 09¼
Brook's, " " "	0 11¼

Augers.

Gilmour's, discount 65 and 5 p.c. off list.

Axes.

Chopping Axes		
Single bit, per doz	5 50	10 00
Double bit, "	11 00	18 00
Bench Axes, 40 p.c.		
Broad Axes, 25 per cent.		
Hunters' Axes	5 50	6 00
Boy's Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Axle Grease.

Ordinary, per gross	5 75	6 00
Best quality	13 00	15 00

Bath Tubs.

Zinc	6 00
Copper, discount 15 p.c. off revised list	

Baths.

Standard Enameled.

5½-inch rolled rim, 1st quality	25 00
" " " 2nd "	21 00

Anti-Friction Metal.

"Tandem" A. per lb.	0 27
" B. "	0 21
" C. "	0 11½
Magnolia Anti-Friction Metal, per lb.	0 25
Frictionless metal, per lb	0 23

SYRACUSE SMELTING WORKS.

Aluminum, genuine	0 41
Dynamo	0 27
Special	0 42
Aluminum, 99 p.c. pure "Syracuse"	0 45
Phosphorine anti-friction metal	0 25

Bells.

Hand.

Brass, 60 per cent.
Nickel, 55 per cent.

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Door.

Gongs, Sargant's	5 50	8 00
" Peterboro', discount 45 per cent.		

Farm.

American, each	1 25	3 00

House.

American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00
Blacksmiths', discount 40 per cent.		

Belting.

Extra, 60 per cent.
Standard, 60 and 10 per cent.
No. 1, not wider than 6 in., 60 10 and 10 p.c.
Agricultural, not wider than 4 in., 75 p c.

Bits.

Auger.

Gilmour's, discount 60 and 5 per cent.
Rockford, 50 and 10 per cent.
Jennings' Gen., net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind and Bed Staples.

All sizes, per lb	0 07¾	0 12

Bolts and Nuts.

Per cent.

Carriage Bolts, common ($1 list)	55 and 5
" " full square ($2.40 list)	60 and 5
" " Norway iron ($3 list)	60 and 5
Machine Bolts, all sizes	55 and 5
Plough Bolts	55 and 5
Blank Bolts	60
Bolt Ends	60
Sleigh Shoe Bolts	70
Coach Screws, cone point	70
Nuts, square, all sizes, 3¾c per lb. off.	
Nuts, hexagon, all sizes, 4c. per lb. off.	
Stove rods, per lb. 5½ to 6c.	
Nuts, in 50 lb. lots ¼c. per lb extra in less than 50 lb lots, ½c. extra.	

Boot Calks.

Small and medium, ball, per M	4 25	
Small heel, per M	4 50	

Bright Wire Goods.

Discount 62½ per cent.

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent

Henis, No. 8, "		6 00
Henis, No. 9, "		7 00
Queen City "	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Building Paper, Etc.

Tarred felt, per 100 lb	1 70
Ready roofing, 2-ply, not under 45 lb. per roll	85
Ready roofing, 3-ply, not under 65 lb. per roll	1 10
Carpet felt, per ton	45 00
Dry sheathing, per roll, 400 sq. ft	35
Tar sheathing, " " "	45
Dry fibre " " "	55
Tarred fibre, " " "	65
O.K. & I.X.L., " " "	70
Resin-sized, " " "	40
Oiled sheathing, " 600 "	1 10
" " 400 "	70
Roofing pitch, per gal. in barrels, per gal.	17
" " small packages	25
Refined tar, per barrel	4 50
Coal tar, "	4 00
Coal tar, less than barrels, per gal	15
Roofing pitch, per 100 lb	85

Bull Rings.

Copper, $2.00 for 2½ in. and $1.90 for 2 in.

Butts.

Wrought Brass net revised list.

Cast Iron.

Loose Pin, dis., 60 per cent.

Wrought Steel.

Fast Joint, dis. 65, 10 and 2½ per cent.
Loose Pin, dis. 65, 10 and 2½ per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.
Gen. Bronzed, per pair 0 40 0 65

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	8 50	9 50

Cement.

Canadian Portland	2 25	2 75
English "	3 00	3 15
Belgian "	2 50	2 75
Canadian hydraulic	1 25	1 50

Chalk.

Carpenters Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 70 per cent.
Warnock's, dis. 70 per cent.
P. S. & W. Extra 60, 10 and 5 p.c.

Churns.

Revolving Churns, metal frames—No. 0, $8—No. 1, $8.50—No. 2, $9.00—No. 3, $10.00—No. 4, $12.00—No. 5, $16.00 each. Ditto, wood frames—20c. each less than above.
Discounts: Delivered from factories, 56 p.c.; from stock in Montreal, 54 p.c.
Terms, 4 months or 3 p.c. cash in 30 days.

Clips.

Axle dis. 65 per cent.

Closets

	Net.
Plain York or Ontario Syphon Jet.	$9 60
Emb. York or Ontario Syphon Jet.	10 20
Fittings	1 00
Plain Elgin or Teu. Syphon Washout	6 00
Emb. Elginor Teu. Syphon Washout	6 60
Fittings	1 25
Low Down Elgin or Teutonic, plain	9 60
" " " " emb.	10 20
Plain Richelieu	4 00
Emb. Richelieu	4 25
Connections	1 25
Low Down Oat. Sy. Jet, plain	11 70
" " " " emb'd.	12 30
Closet connection	1 25
Basins P.O., 14 in.	0 70
" oval, 17 x 14 in.	1 50
" " 19 x 15 in.	2 25

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Cradles, Grain.

Canadian, dis. 25 to 33⅓ per cent.

Crosscut Saw Handles.

S. & D., No. 3, per pair	17½
" " 5, "	22½
" 6, "	15
Boynto pattern "	20

Door Springs.

Torrey's Rod, per doz (15 p.c.)	2 00	
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Coach and Wagon, dis. 50 and 10 per cent
Carpenters, dis. 70 per cent.

Drills.

Hand and Breast.

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis., 37½ to 40 per cent.
Standard dis. 50 and 5 to 55 per cent.

Faucets.

Common, cork-lined, dis. 35 per cent.

ELBOWS. (Stovepipe.)	per doz.
5 and 6-inch, common	1 20
7-inch	1 35
Polished, 15c. per doz. extra.	

ESCUTCHEONS.

Discount, 45 per cent.

ESCUTCHEON PINS.

Iron, discount 40 per cent.

FACTORY MILK CANS.

Discount off revised list, 40 per cent.

FILES AND RASPS.

Great Western	70 and 10	per cen	
Arcade	70	" 10	"
Kearney & Foot	70	" 10	"
Disston's	70	" 10	"
American	70	" 10	"
J. Barton Smith	70	" 10	"
McClellan	70	" 10	"
Eagle	70	" 10	"
Nicholson, 60 and 10 to 65, 10 and 5			"
Royal	80		"
Globe	70 to 75		"

Black Diamond, 60 and 10 to 60, 10 and 5 p.c.
Jowitt's, English list, 25 to 27½ per cent.
Nicholson File Co.'s "Simplicity" file handle, per gross, 85c. to $1.50.

GLASS—Window—Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	D. Diamond Per 50 ft.	D. Diamond Per 100 ft
Under 26	2 20	4 25	....	6 25
26 to 40	2 40	4 65	....	6 75
41 to 50	....	5 10	....	7 50
51 to 60	....	5 35	....	8 50
61 to 70	....	5 75	....	8 70
71 to 80	....	6 25	....	11 00
81 to 85	....	7 00	....	12 55
86 to 90	....	7 75	..	15 00
91 to 95	..	....	..	17 50
96 to 100	.. ..	....	..	20 50
101 to 105	....	....	....	24 00
106 to 110	....	....	....	27 50

GAUGES

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's, Nos. 26 to 33, each	1 65	2 40

HALTERS.

Rope, ⅜ per gross	....	....
" ½ "	....	9 00
" ⅝ to ¾ "	....	14 00
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

	Can.	dis.
Maydole's, dis. 5 to 10 per cent. 25 to 27½ per cent.		

Tack.

Magnetic, per doz	1 10	1 20

Sledge.

Canadian, per lb	0 07½	0 08½

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz. net	1 50	2 00
Store door, per doz	1 00	1 50

Fork.

C. & B., dis. 40 per cent. rev. list.

Hoe.

C. & B., dis. 40 per cent. rev. ist.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 75

Hammer and Hatchet.

Canadian, 40 per cent.

Cross-Cut Saws.

Canadian, per pair	0 13¾

HANGERS. doz. pairs.

Steel barn door	5 85	6 00
Stearns, 4 inch	....	5 00
" 5 inch	....	6 50

Lane's covered—

No. 11, 5-ft. run	....	8 40
No. 11½, 10-ft. run	....	10 80
No. 12, 10-ft. run	....	12 60
No. 14, 15-ft. run	....	21 00
Lane's O.N.T. track, per foot	....	4½

HARVEST TOOLS.

Discount, 70 per cent.

HATCHETS.

Canadian, dis. 40 to 42½ per cen

USE PHOSPHORINE ANTI-FRICTION METAL

It is the new discovery. Ask for particulars.

It is the only Anti-Friction Metal known to be chemically pure.



For Paper and Pulp Mills, Saw and Wood Working Machinery, Cotton and Silk Mills, Dynamos, Marine Engines, and all kinds of Machinery Bearings.

Wire, Triangular and Bar Solder, Pig Tin, Lead, Ingot Copper, Ingot Brass, Antimony, Aluminum, Bismuth, Zinc Spelter, Phosphor Tin, Phosphor Bronze, Nickle, etc., always in stock.

CANADIAN WORKS, MONTREAL, P.Q.
AMERICAN " SYRACUSE, N.Y.

Syracuse Smelting Works

HINGES.

Blind, Parker's, dis. 50 and 10 to 60 per cent.
Heavy T and strap, 4-in., per lb.... 0 06½
" " 5-in., " 0 06¼
" " 6-in., " 0 06
" " 8-in., " 0 05¾
" " 10-in., " 0 05½
Light T and strap, dis. 65 and 5 per cent.
Screw hook and hinge—
6 to 10 in., per 100 lbs.... .... 4 25
12 in. up, per 100 lbs.... .... 3 25
Per gro. pairs.
Spring.... .... 12 00

HOES.

Garden, Mortar, etc., dis. 50 and 10 p.c.
Planter, per doz.... 4 00 4 50

HOLLOW WARE

Discount,.... 45 and 5 per cent.

HOOKS.

Cast Iron.

Bird Cage, per doz.... 0 50 1 10
Clothes Line, per doz.... 0 27 0 63
Harness, per doz.... 0 72 0 88
Hat and Coat, per gross.... 1 00 3 00
Chandelier, per doz.... 0 50 1 00

Wrought Iron.

Wrought Hooks and Staples, Can. dis. 47½ per cent.

Wire.

Hat and Coat, discount 45 per cent.
Belt, per 1,000 .... 0 60
Screw, bright, dis. 55 per cent.

HORSE NAILS.

"C" brand 50 and 7½ p.c. off new list } Oval-
"M" brand 50, 10 and 5 per cent. } head
Countersunk, 60 per cent.

HORSESHOES.

F.O.B. Montreal.

Iron Shoes.	No. 2 and larger.	No. 1. and smaller.
Light, medium and heavy...	3 50	3 75
Snow shoes....	3 75	4 00

Steel Shoes.

Light....	3 60	3 85
Featherweight (all sizes)....	4 85	4 85

F.O.B. Toronto, Hamilton, London and Guelph, 10c. per keg additional.

Toe weight steel shoes.... 6 70

JAPANNED WARE.

Discount, 45 and 5 p.c. off list, June 1899.

ICE PICKS.

Star per doz.... 3 00 3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.
Copper, per lb.... 0 30 0 50
American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 45 p.c.
Cabinet, trunk, and padlock, Am. per gross 60

KNOBS.

Door, japanned and N.P., per doz.... .... 1 50 2 50
Bronze, Berlin, per doz.... 2 75 3 25
Bronze Genuine, per doz.... 6 00 9 00
Shutter, porcelain, F. & L screw, per gross 1 30 4 00
White door knobs—per doz. 1 25

HAY KNIVES.

Discount, 50 and 10 per cent.

LAMP WICKS.

Discount, 60 per cent.

LANTERNS.

Cold Blast, per doz.... 7 00
No. 3 "Wright's".... 8 50
Ordinary, with O burner.... 4 00
Dashboard, cold blast.... 9 00
No. 0.... 5 75
Japanning, 50c. per doz. extra

LEMON SQUEEZERS.

Porcelain lined, ...per doz. 2 20 5 60
Galvanized 1 87 3 85
King, wood.... 2 75 2 90
King, glass.... 4 00 4 50
All glass.... 1 20 1 30

LINES.

Fish per gross.... 1 05 2 50
Chalk " 1 90 7 40

LOCKS.

Canadian, dis. 45 p.c.
Russel & Erwin, per doz.... 3 00 3 25
Cabinet.
Eagle, dis. 30 p.c.

Padlock.

English and Am. per doz.... 50 6 00
Scandinavian, " 1 00 2 40
Eagle, dis. 20 to 25 p.c.

MACHINE SCREWS. Iron and Brass.

Flat head discount 25 p.c.
Round Head discount 20 p.c.

MALLETS.

Tinsmiths' per doz.... 1 25 1 50
Carpenters', hickory, per doz. 1 25 3 75
Lignum Vitae, per doz.. .... 3 85 5 00
Caulking each.... .... 60 2 00

MATTOCKS.

Canadian, per doz.... 5 50 6 50

MEAT CUTTERS.

American, dis. 25 to 30 p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are :	Cut.	Wire.
2 d and 3d	$3 35	$3 55
3 d	3 00	3 22
4 and 5d....	2 75	3 05
6 and 7d....	2 65	2 90
8 and 9d....	2 50	2 70
10 and 12d....	2 45	2 65
16 and 20d....	2 40	2 60
30, 40, 50 and 60d. (base)....	2 35	2 55

Wire nails in carlots are $2 50
Galvanizing 2c. per lb. net extra.
Steel Cut Nails 10c. extra.
Miscellaneous wire nails, dis. 75 p.c.
Coopers' nails, dis. 30 per cent.
Flour barrel nails, dis. 25 per cent

NAIL PULLERS.

German and American.... 1 85 3 50

NAIL SETS.

Square round, and octagon per gross.... 3 38 4 00
Diamond.... 12 00 15 00

POULTRY NETTING.

2-in. Mesh 19 w.g., dis. 60 p.c.
2-in. Mesh, 18 w.g. and heavier, 50 and 10 p.c.

OAKUM.

Per 100 lb.

Navy 6 00
U.S. Navy.... .... 7 25

OIL.

Water White (U.S.) 0 16½
Prime White (U.S.) 0 15½
Water White (Can.) 0 15
Prime White (Can.) 0 14

OILERS.

McClary's Model galvan. oil car, with pump, 5 gal., per doz.... .... 10 00
Zinc and tin, dis. 50, 50 and 10.
Copper, per doz.... 1 25 3 50
Brass, " 1 50 3 50
Malleable, dis. 25 per cent.

GALVANIZED PAILS.

Dufferin pattern pails, dis. 45 p.c.
Flaring pattern, discount 45 per cent.
Galvanized washtubs discount 45 per cent.

PIECED WARE.

Discount 40 per cent. off list, June, 1899.
10-qt. flaring sap buckets, dis. 40 p.c.
8, 10 and 14-qt. flaring pails, dis. 40 p.c.
Creamer cans, dis. 40 p.c.

PICKS.

Per doz.... 6 00 9 00

PICTURE NAILS.

Porcelain head, per gross... 1 75 3 00
Brass head " 0 40 1 00

PICTURE WIRE.

Tin and gilt, discount 75 p.c.

PLANES.

Wood, bench, Canadian dis. 40 per cent.
American dis. 50.
Wood, fancy Canadian or American 7½ to 40 per cent.

PLANE IRONS.

English, per doz.... 2 00 5 00

PLIERS AND NIPPERS.

Button's Genuine per doz pairs, dis. 37½ 40 p.c.
Button's Imitation, per doz.. 5 00 9 00
German, per doz.... 0 60 2 60

PLUMBERS' BRASS GOODS.

Standard Compression work, dis. 60 p.c.
"J.M.T." Cushion work, dis 50 p.c.
Fuller work, dis. 65 p.c.
6 doz. lots and over of the above, extra dis. 10 p.c.
Rough Stops and Stops and Waste rs, dis. 60 p.c. With, in lots of 2 doz. and over, an extra dis. of 10 p.c.
"J.M.T." Globe, Agnle and Check Valves, dis 55 p.c.
Standard Globe, Angle and Check Valves, dis. 60 p.c
"J M T." Radiator Valves dis. 55 p.c.
Standard " " dis., 60 p.c.
Patent Quick Opening Valves, dis. 65 p.c. and 10 p.c
No. 1 compression bath cock, net .. 2 00
No. 4 " " " 2 00
No. 7, Fuller's.... 2 20
No 4½, " 2 35
Patent Compression Cushion, basin cock, hot and cold, per doz. 15 00
Patent Compression Cushion, bath cock No. 2208 .... 2 25

POWDER.

Velox Smokeless Shotgun Powder.
100 lb. or less.... .... 0 85
1,000 lb. or more.... 0 80
Net 30 days.

PRESSED SPIKES.

Discount 25 per cent.

PULLEYS.

Hothouse, per doz.... 0 55 1 00
Axle.... 0 22 0 33
Screw.... 0 27 1 00
Awning.... 0 35 2 50

PUMPS.

Canadian cistern.... 1 80 3 60
Canadian pitcher spout.... 1 40 2 10

PUNCHES.

Saddlers', per doz.... 1 00 1 85
Conductors' " 9 00 15 00
Tinners', solid, per set.... 0 00 0 72
" hollow per inch 0 00 1 00

RANGE BOILERS.

Net.

Dominion, 35 " 6 75
" 40 " 7 75
Ronald's Galvanized 30 gallons 6 50
" " 35 " 7 50
" " 40 " 8 50
Copper, 30 gallons.... 25 00
" 35 " 29 00
" 40 " 33 00

RAKES.

Wood, 10 per cent.

RAZORS.

	per doz.	
Elliot's	4 00	18 00
Geo. Butler & Co.'s,....	4 00	18 00
Boker's	7 50	11 00
" King Cutter	12 50	50 00
Wade & Butcher's....	3 60	10 00
Theile & Quack's	7 00	12 00

REGISTERS.

Discount,.... .... 40 per cent

RIVETS AND BURRS.

Iron Rivets, black and tinned, discount 60 and 10 per cent.
Iron Burrs, discount 55 per cent.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c per lb.
Copper Rivets & Burrs, 35 and 5 p.c. dis and cartons, 1c. per lb. extra, net
Extras on Tinned or Coppered Rivets ½-lb. cartons, 1c. per lb.

RIVET SETS

Canadian dis. 35 to 37½ per cent.

ROPE ETC.

Sisal 12
Pure Manilla.... 16
"British" Manilla.... .... 13½
Cotton, 3-16 inch and larger 16
" 5-32 inch.... 21
" ⅛ inch.... 22
Russia Deep Sea 15
Jute 8
Lath Yarn 10¼

RULES.

Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS.

per set.

Mrs. Potts, No. 55, polished.. 65
" No. 50, nickle-plated 75

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 5 per cent.
Emery, 40 per cent.
Garnet (Rurton's), 5 to 10 p.c. advance on list.

SAP SPOUTS.

Bronzed iron with hooks, per doz... 9 50

SAWS.

Hand Disston's, dis. 12½ p.c.
S. & D., 40 per cent.
Crosscut, Disston's, per ft.... 35 0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.
Hack, complete, each.... 0 75 2 75
" rame only.... .... 0 75

SASH WEIGHTS.

Sectional, per 100 lbs.... 2 25 2 50
Solid, " 1 75 2 00

SASH CORD.

Per lb.... 0 23 0 30

SAW SETS.

"Lincoln" and Wh ting, per doz... 4 75
Hand Sets, No. 1 Woodyatt (Morrill) 4 25
X-cut sets, No. 3 Woodyatt (Morrill) 9 50

SCALES.

Standard, 45 p.c.
Champion, 55 p.c.
Spring Balances, 10 p.c.
Fairbanks Standard, 35 p.c.
" Dominion, 55 p.c.
" Richelieu, 55 p.c.
Warren's new Standard 45 p.c.
" " Champion 65 p.c.

SCREW DRIVERS.

Sargent's per doz.... 0 65 1 00

SCREWS

Wood, F. H., bright and steel, 87½ and 10 p.c
Wood R. H., " dis. 82½ and 10 p.c.
" F. H., brass dis. 80 and 10 p.c.
Wood, R. H., " dis. 75 and 10 p.c.
" F.H., bronze, dis. 75 p.c.
" R.H. " 70 p.c.
Drive Screws, 87½ and 10 per cent.
Bench, wood, per doz.... 3 25 4 00
" iron. " 4 25 5 75
Set, Case hardened, 60 per cent.
Square Cap, 50 and 5 per cent.
Hexagon Cap, 45 per cent.

SCYTHES.

Per doz, net 9 00

SCYTHE SNATHS.

Canadian, dis. 45 p.c.

SHEARS.

Bailey Cutlery Co., full nickeled, dis. 60 p.c
Seymour's, dis. 50 and 10 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SINKS.

Steel and galvanized, discount 45 per cent.

SNAPS.

Harness, German, dis. 25 p.c.
Lock, Andrews'.... 4 50 11 50

SOLDERING IRONS.

1, 1½ lb., per lb.... .... 0 37
2 lb. or over, per lb. 0 34

SQUARES.

Iron, No. 493, per doz 2 40 2 55
" No. 494, " 3 25 3 40
Steel, dis. 60. 10 and 5 p.c.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.

Plain, dis. 75 and 12½ p.c. off revised list
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized 3 50 4 00
Plain 3 25 3 75
Coopers', discount 45 per cent.
Poultry netting staples, 40 per cent.

STANDARD CHAIN CO., PITTSBURGH, U. S. A.

MANUFACTURERS OF **CHAIN** OF ALL KINDS.

Proof Coil, B.B., B.B.B., Crane, Dredge Chain, Trace Chains, Cow Ties, etc.

ALEXANDER GIBB, Montreal. —Canadian Representatives— A. C. LESLIE & CO., Montreal.

For Provinces of Ontario and Quebec. For other Provinces.

STOCKS AND DIES.

American dis. 25 p.c.

STONE.	Per lb.	
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip,	0 09	0 09
Labrador	....	0 13
" Axe	....	0 15
Turkey	....	0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind. 2 in. 40 to 200 lb. per ton	....	25 00
" under 40 lb. "	....	28 00
Grind. under 2 in. thick "	....	29 00

STOVE PIPES.

5 and 6 inch Per 100 lengths	....	7 00
7 inch " "	....	7 50

ENAMELINE STOVE POLISH.

No. 4—3 dozen in case, net cash	$4 80
No. 6—3 dozen in case, "	8 40

TACKS BRADS, ETC.

Cheese-box tacks, blued ..... 80 & 12½
Trunk tacks, black and tinned 85
Carpet tacks, blued ..... 80 & 15
" " tinned ..... 80 & 20
" " (in kegs) 40
Cut tacks, blued, in dozens only .. 80
" ¼ weights 60
Swedes cut tacks, blued and tinned—
In bulk ..... 80 & 10
In dozens 75
Swedes, upholsterers', bulk .... 85, 12½ & 12½
" brush, blued & tinned, bulk .. 70
" gimp, blued, tinned and japanned ..... 75 & 12½
Zinc tacks 35
Leather carpet tacks 55
Copper tacks 50
Copper nails 52½
Trunk nails, black ..... 65 and 5
Trunk nails, tinned ..... 65 and 10
Clout nails, blued ..... 65 and 5
Chair nails 35
Patent brads 40
Fine finishing 40
Lining tacks, in papers 10
Lining tacks, in bulk 15
" " solid heads, in bulk 75
Saddle nails in papers 10
" " in bulk 15
Tufting buttons, 22 line, in dozens only 60
Tin capped trunk nails 25
Zinc glazier's points 5
Double pointed tacks, papers ..... 90 and 10
" " " bulk 40

TAPE LINES.

English, ass skin, per doz.	2 75	5 00
English, Patent Leather	5 50	9 75
Chesterman's each	0 90	2 85
" steel, each	0 80	8 00

THERMOMETERS.

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TRAPS. (Steel.)

Game, Newhouse, dis. 25 p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's discount 10 per cent.
German, per doz. 4 75 6 00
S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb.	....	0 27
Wrapping, cotton, 3-ply		0 18½
" " 4-ply	....	0 23½
Mattress, per lb.	0 33	0 45
Staging, "	0 27	0 35

VISES.

Wright's	....	0 13½
Brook's	....	0 12¾
Pipe Vise, Hinge, No. 1	....	3 50
" " " No 2	....	5 50
Saw Vise	4 50	9 00

ENAMELLED WARE.

White, Princess, Turquoise, Blue and White, discount 50 per cent.
Diamond, Famous, Premier, 50 and 10 p.c.
Granite or Pearl, Imperial, Crescent, 50, 10 and 10 per cent.

WIRE.

SMOOTH STEEL WIRE.

No. 0-9 gauge		$2 60
10 "		6c. extra.
11 "		12c. "
12 "		20c. "
13 "		30c. "
14 "		40c. "
15 "		55c. "
16 "		70c. "

Add 60c. for coppering and $2 for tinning.

Extras net per 100 lb. — Oiled wire 10c., spring wire $1.75, special hay baling wire 30c., best steel wire 75c., bright soft drawn 15c., charcoal (extra quality) $1.25, packed in casks or cases 15c., bagging and papering 10c., 50 and 100-lb. bundles 10c., in 25-lb. bundles 15c., in 5 and 10-lb. bundles 25c., in 1-lb. hanks 50c., in ½-lb. hanks 75c., in ¼-lb. hanks $1.

Fine Steel Wire, dis. 22½ per cent. List of extras: In 100-lb. lots: No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, 7.65—No. 24, $8—No. 25, $9—No. 26 $9.50—No. 27, $10—No. 28, $11 No. 29. $12—No. 30, $13—No. 31, $14—No. 32 $15, No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31 $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles, 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.50 to $3.85—No. 9, $3.85 to $3.15—No. 10 $3.60 to $3.95—No. 11, $3.70 to $4.10—No 12, $3 to $3.30—No. 13, $3.10 to $3.40—No. 14, $4.10 to $4.50—No. 15, $4.60 to $5.05—No. 16, $4.85 to $5.35. Base sizes, Nos. 6 to 9 $2.52½ f.o.b. Cleveland.
Clothes Line Wire, regular 7 strand. No. 17, $4.65; No. 18, $2.90; No. 19, $2.60. Hollow 6 strand, No. 17, $4.30; No. 18, $3.70 No. 19, $2.35; No 20, $2.30, f.o.b. Hamilton, Toronto, Montreal.

WIRE FENCING.

Galvanized barb	....	3 00
Galvanized, plain twist	....	3 00

Galvanized barb, f.o.b. Cleveland, $2.77½ in less than carlots, and $2.65 in carlots

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net.. 1 25

WASTE COTTON.

	per lb.
Colored	6
White	8

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 60 p.c.
Coe's Genuine, dis. 20 to 25 p.c.

Towers' Engineer, each	2 00	7 00
" S., per doz.	5 80	6 00
G. & K.'s Pipe, per doz.	....	3 40
Burrell's Pipe, each	....	3 00
Pocket, per doz.	0 25	2 90

WRINGERS.

Leader ..... per doz.	$30 00	33 00
Royal Canadian.. "	....	24 00
Royal American., "	....	24 00
Sampson ..... "	....	24 00

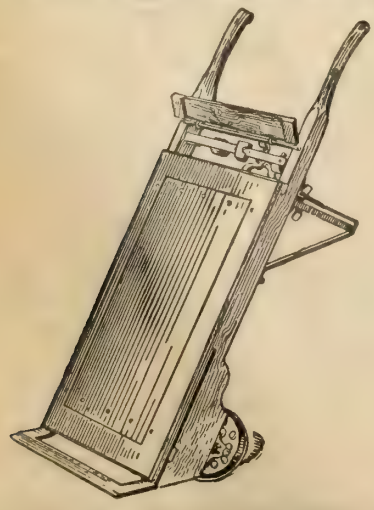
Terms 4 months, or 3 p.c. 30 days.

WROUGHT IRON WASHERS.

Canadian make, discount, 40 per cent.

ADVERTISING in WESTERN CANADA
will be Carefully Efficiently, and Promptly attended to, by
The Roberts Advertising Agency,
WINNIPEG CANADA.

THE PARCELL DROP LEVER TRUCK SCALES.
Highly Endorsed by Government Inspectors.



Designed for Farm, Mill, Factory and Warehouse uses. Ask your Wholesale Dealer for cuts and prices, or write
AYLMER IRON WORKS CO., Limited, AYLMER, ONT.

DIAMOND EXTENSION STOVE BACK

They are easily adjusted and fitted to a stove by any one.

Please your customers by supplying them immediately with what they want.

Patented, July 11th, 1893. Canadian Patent, June 14th, 1894.



EXTENDED.

Sold by Jobbers of . . .
Hardware Tinware and Stoves.

Manufactured by THE ADAMS COMPANY, Dubuque, Iowa, U.S.A.
" " A. R. WOODYATT & CO., Guelph, Ontario.

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY MONTREAL.

Watch our ad. in next issue, or write to us for particulars on our patented
Automatic Door Strip and Weather Strip
Specially adapted for cold climates and takes the place of the inner window.
HELMS & HELMS, 148-50 Willow St., PHILADELPHIA.

Standard Paint & Varnish Works Limited
Makers of High Grade Varnishes, Japans, Paints, Colors & Enamels
Windsor, Ont.

THAT NEW SET OF BOOKS.

You and your accountant will be proud of them if they are made of "Burmese Linen Ledger"—par excellence the paper for the best blank books. Writing surface fine—at the same time a good erasable face—and a most durable paper.

CANADA PAPER CO., Limited

TORONTO and MONTREAL



BRITISH BUSINESS CHANCES.

Firms desirous of getting into communication with British manufacturers or merchants, or who wish to buy British goods on the best possible terms, or who are willing to become agents for British manufacturers, are invited to send particulars of their requirements for

FREE INSERTION

in "Commercial Intelligence," to the Editor

'SELL'S COMMERCIAL INTELLIGENCE,'
168 Fleet Street, London, England.

"Commercial Intelligence" circulates all over the United Kingdom amongst the best firms. Firms communicating should give reference as to bona fides.

N.B.—A free specimen copy will be sent on receipt of a post card.

Buy the Best.



HERCULES

Sash Cord.

Star Brand Cotton Rope
Star Brand Cotton Clothes Lines
Star Brand Cotton Twine

For Sale by all Wholesale Dealers

"BAILEY" BRAND CUTLERY

SURPASSES ALL OTHER MAKES.

WRITE FOR CATALOGUE.



FULLY WARRANTED.

Shears, Scissors, Razors, and Butcher Knives, made by

BAILEY CUTLERY CO.,

BRANTFORD, ONT. Limited

CHAS. F. CLARK, President. JARED CHITTENDEN Treasurer.

...ESTABLISHED 1849...

BRADSTREET'S

Capital and Surplus, $1,500,000. Offices Throughout the Civilized World.

Executive Offices: Nos. 346 and 348 Broadway, New York City, U.S.A.

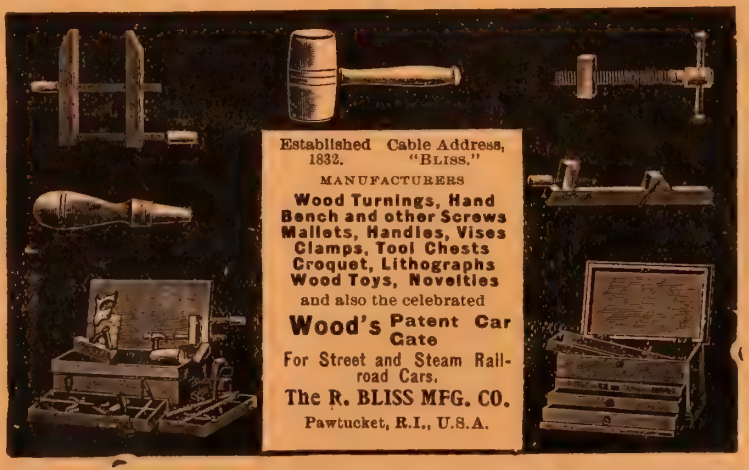
THE BRADSTREET COMPANY gathers information that reflects the financial condition and the controlling circumstances of every seeker of mercantile credit. Its business may be defined as of the merchants, by the merchants, for the merchants. In procuring, verifying and promulgating information no effort is spared, and no reasonable expense considered too great, that the results may justify its claim as an authority on all matters affecting commercial affairs and mercantile credit. Its offices and connections have been steadily extended, and it furnishes information concerning mercantile persons throughout the civilized world.

Subscriptions are based on the service furnished, and are available only by reputable wholesale, jobbing and manufacturing concerns, and by responsible and worthy financial, fiduciary and business corporations. Specific terms may be obtained by addressing the Company at any of its offices. **Correspondence Invited.**

—OFFICES IN CANADA—

HALIFAX, N.S.	HAMILTON, ONT.	LONDON, ONT.	MONTREAL, QUE.
OTTAWA, ONT.	QUEBEC, QUE.	ST. JOHN, N.B.	TORONTO, ONT.
VANCOUVER, B.C.	VICTORIA, B.C.	WINNIPEG, MAN.	

THOS. C. IRVING, Gen. Man. Western Canada, Toronto. JOHN A. FULTON, Gen. Man. Eastern Canada, Montreal.



Canadian Representative: ALEXANDER GIBB, 13 St. John St., MONTREAL.

75 YEARS. *ESTABLISHED 1825.* *75 YEARS.*

CELEBRATED HEINISCH SHEARS.

Tailors' Shears,
Trimmers, Scissors,
Tinners' Snips, etc.



ACKNOWLEDGED THE BEST.

R. HEINISCH'S SONS CO.

NEW YORK OFFICE, 90 Chambers St.
NEWARK, N.J., U.S.A.

Not connected with any Shear Combination.



Est. 1868 Inc. 1895

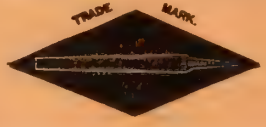
Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve  Medals

Awarded
By **JURORS** at
International Expositions
Special Prize
Gold Medal at Atlanta, 1895



1902 # GARDEN HOSE. 1902

We manufacture the most popular and best selling lines of Garden Hose in Canada. Our "Maltese Cross" brand we confidently recommend as the finest Garden Hose on the market.

We have other grades not quite so expensive, but good reliable brands, viz.: "Lion" (the popular medium-priced hose), "King" "Sun" and "Leader."

Our "Kinkproof" (wire wound) hose is wired by a special process controlled solely by ourselves, and is so constructed that it may be cut at any wind of the wire without loosening or uncoiling, the wire being self-gripping throughout each length.

THE GUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

Head Office and Warerooms—
45-47-49 West Front St.

TORONTO,

Factories—115-165 West Lodge Ave.
124-148 O'Hara Ave.

CANADA.

Notice of
Removal

After the first day of February, 1902, our address will be

No. 53 St. Sulpice St.
Montreal.

B. & S. H. THOMPSON & CO.

CORDAGE

ALL KINDS AND FOR ALL PURPOSES.

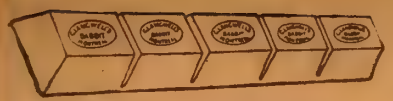
Manila Rope	Lathyarn
Sisal Rope	Shingleyarn
Jute Rope	Bale Rope
Russian Rope	Lariat Rope
Marline	Hemp Packing
Houseline	Italian Packing
Hambroline	Jute Packing
Clotheslines	Drilling Cables
Tarred Hemp Rope	Spunyarn
White Hemp Rope	Pulp Cord
Bolt Rope	Lobster Marlin
Hide Rope	Paper Cord
Halyards	Cheese Cord
Deep Sealine	Hay Rope
Ratline	Fish Cord
Plow Lines	Sand Lines

"RED THREAD" Transmission Rope from the finest quality Manila hemp obtainable, laid in tallow.

CONSUMERS CORDAGE COMPANY, Limited

Western Ontario Representative—
WM. B. STEWART,
Tel 94. 27 Front St. West, TORONTO.

MONTREAL, QUE.



Stands Well. Facsimile of bar.

CANADIAN HARDWARE AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XIV. MONTREAL AND TORONTO, FEBRUARY 1, 1902 NO. 5.

POCKET KNIVES

H. BOKER & COS

IMPROVED

TREE BRAND

TRADE MARK

RAZORS CUTLERY SCISSORS

FOR SALE BY LEADING WHOLESALE HARDWARE HOUSES.

Lysaght's Brands

"**Queen's Head**"—Best quality, best galvanizing.

"**Fleur de Lis**"—Best quality, ordinary galvanizing.

"**Redcliffe**"—Corrugating quality.

"**Orb**"—Highest grade Corrugated Iron.

Each the leader in its grade.

JOHN LYSAGHT, Limited, Makers, BRISTOL, ENG.

A. C. LESLIE & CO., MONTREAL, Managers Canadian Branch.

Why It Succeeded!



Without any strenuous aid from us, the "Safford" has worked itself into the highest attainable place on the world's market to-day.

Because it is the simplest and most compact radiator in existence.

Because its joints are made with a screwed connection—no bolts, or packing.

Because the contractor finds it the easiest to handle.

Because the public find it the most satisfactory of all radiators to use—can't leak; once installed all bother is over.

If you have not our catalogue write for it.

THE DOMINION RADIATOR CO., LIMITED

Head Office, Dufferin Street, Toronto, Canada.

FINE

English Cutlery

CARVERS IN CASES
DESSERT SETS
FISH EATERS
CAKE KNIVES
BREAD FORKS, Etc.

NOVELTIES

BRASS KETTLES
CHAFING DISHES
HOT-WATER PLATES
BRASS INK STANDS
PAPERWEIGHTS, Etc.

RICE LEWIS & SON

LIMITED

Cor. King and Victoria Streets. TORONTO.

COPPER

Bar, Ingot, Sheet, Tubing.

Samuel, Sons & Benjamin, London and Liverpool, Eng.

M. & L. Samuel, Benjamin & Co.

General Importers and Exporters and Metal Merchants.

27 Wellington St. West, TORONTO, ONT.



Australasian Hardware and Machinery.

The Organ of the Hardware, Machinery and Kindred trades of the Antipodes.

SUBSCRIPTION $1.25 PER ANNUM,

post free to any part of the world.

PUBLISHING OFFICES:
Melbourne - Fink's Buildings.
Sydney, - - - Post Office Chambers.
AMERICAN OFFICES:
New York, - Park Row Building.
BRITISH OFFICES:
London, - - - 42 Cannon St., E.C.

Specimen Copies on application.

"C.R.C." Star



RED RUBBER PACKING

FOR HIGH-GRADE WORK

Good Packing **Good Price**
Good Profits **Good Advertising Matter**

Send for samples, prices and advertising matter.

The Canadian Rubber Co.

MONTREAL TORONTO WINNIPEG

Other Tools are very good Tools, but

"YANKEE TOOLS"

ARE BETTER



No. 15. "Yankee Ratchet Screw Driver, with Finger Turn on Blade.



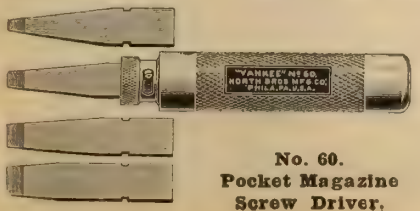
No. 30 "Yankee" Spiral-Ratchet Screw Driver, Right and Left Hand.



No. 41. "Yankee" Automatic Drill," Eight Drill Points in Handle.



No. 50. "Yankee," Reciprocating Drill, for Iron, Steel, Brass, Wood, etc.



No. 60.
Pocket Magazine
Screw Driver.

Our "YANKEE" Tool Book tells all about them. Mailed free on application. . . . . .

Manufacturers also of

LIGHTNING, GEM and BLIZZARD Ice Cream Freezers.

Toy Freezers, Ice Shaves and Ice Chippers.

Fluting Machines, Hand Fluters.

Sold by Leading Jobbers in Canada.

NORTH BROS. MFG. CO.,

Philadelphia, Pa., U.S.A.

WINDOW GLASS—TO IMPORT.

Prompt Deliveries.

EVERY KIND OF PLATE AND WINDOW GLASS IN STOCK.

BENT GLASS of all kinds, our own manufacture. **Closest Prices.**

TORONTO PLATE GLASS IMPORTING CO.,

Hill & Rutherford

Warerooms and Offices—135 to 143 Victoria St.
Bending Works—209 to 213 Victoria St.

TORONTO

FOR THE STREET

THE TRADE "M&M" MARK LIGHT

FOR THE STORE



What "M & M" Lamps Do.

They give a stronger, whiter, steadier light than the electric arc. Operate easily, safely, satisfactorily. Save money—actual 600 candle-power light at a cost of one-half cent an hour. Think of it! Write for circulars, etc. GOOD AGENTS WANTED- Exclusive territory allowed.

ACORN BRASS WORKS,
Dept. 8, 15-23 Jefferson Street CHICAGO, ILL.



What "M & M" Lamps Save.

Barrett Hardware Co, Joliet, Ill., write: "Gasoline and supplies for six "M & M" Lamps cost us $45.46 last year, an average of 60c. a month per lamp. We believe we had as good a light as though we had six electric arc lights at a cost of $369." No wonder that over 30,000 "M & M" Lamps are in use all over the United States and Canada. THEY KILL BIG GAS AND ELECTRIC LIGHT BILLS. It will pay you to investigate. Write for circulars. AGENTS WANTED. Dept. 8, 15-23 Jefferson St., Chicago.

DAVID MAXWELL & SONS

ST. MARYS, ONT., CANADA.



Steel Frame.

"Maxwell Favorite Churn"

PATENTED FEATURES: Improved Steel Stand, Roller Bearings, and Foot and Hand Lever Drive, and Detachable Driving Link. Improved for season of 1902. Steel or Wood Frame as desired.

Lawn Mowers.

High and Low Wheels, from 12-in. to 20-in. widths. Cold Rolled Steel Shafting, Crucible Steel Knives and Cutting Plate.

Wheelbarrows.

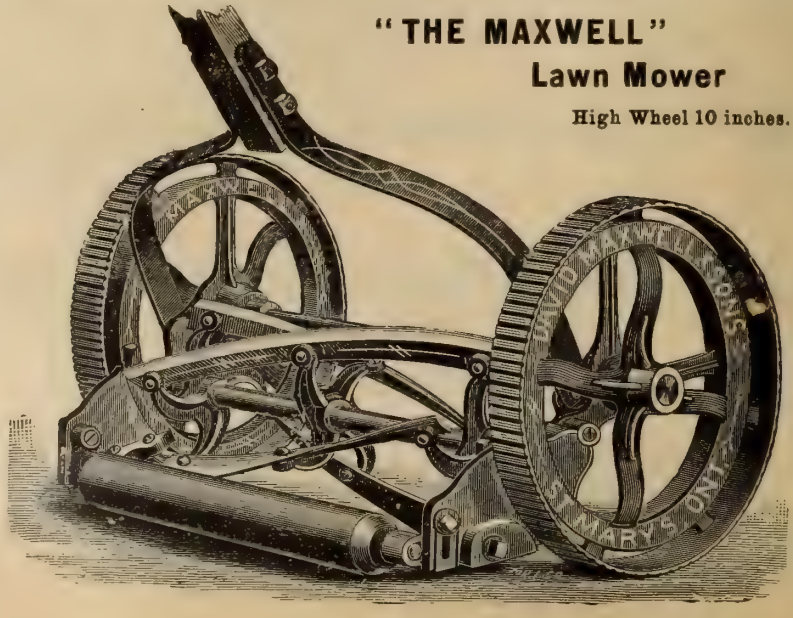
In Four different Sizes.

If your Wholesale House does not offer you these articles

SEND DIRECT TO US.

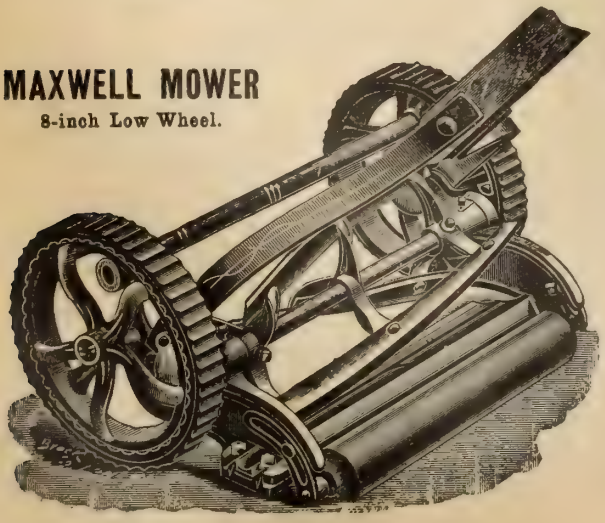
"THE MAXWELL" Lawn Mower

High Wheel 10 inches.



MAXWELL MOWER

8-inch Low Wheel.



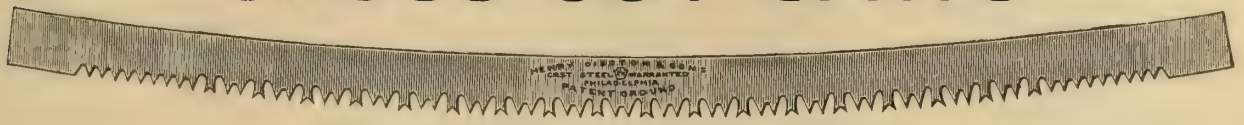
H. S. HOWLAND, SONS & CO.

ONLY WHOLESALE

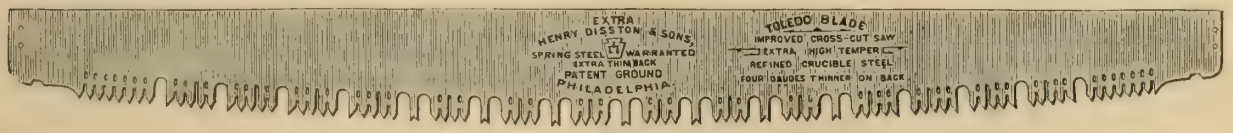
37-39 Front Street West, **Toronto.**

WHOLESALE ONLY

CROSS CUT SAWS

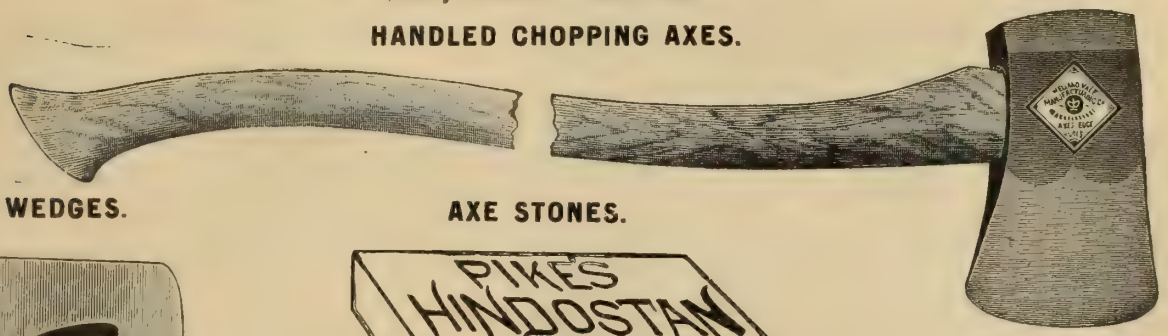


"Triumph"—Henry Disston's Champion Tooth, Narrow Blade.

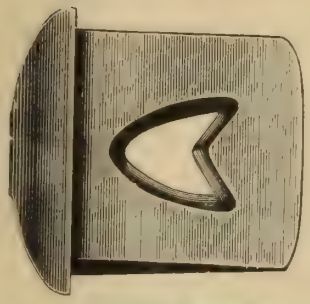


Henry Disston's "Toledo Blade."

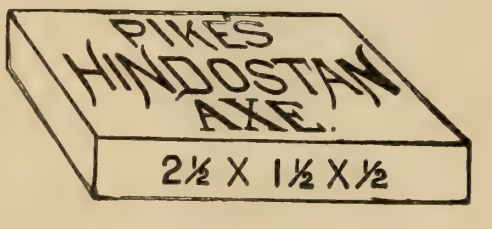
HANDLED CHOPPING AXES.



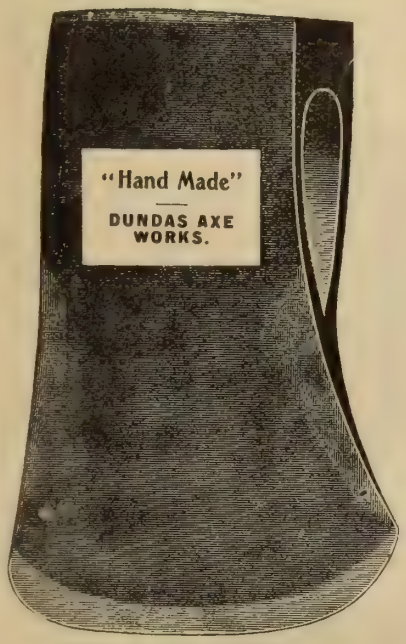
AXE WEDGES.



AXE STONES.



CHOPPING AXES.



DUNDAS AXE WORKS.
Full Line.



RIXFORD MFG. CO.
Full Line.



WELLAND VALE MFG. CO.
Full Line.

H. S. HOWLAND, SONS & CO., Toronto.

WE SHIP PROMPTLY

Graham Wire and Cut Nails are the Best.
Factory: Dufferin Street, Toronto.

OUR PRICES ARE RIGHT

HENRY ROGERS, SONS & CO.,

SHEFFIELD, ENGLAND

Manufacturers of the celebrated

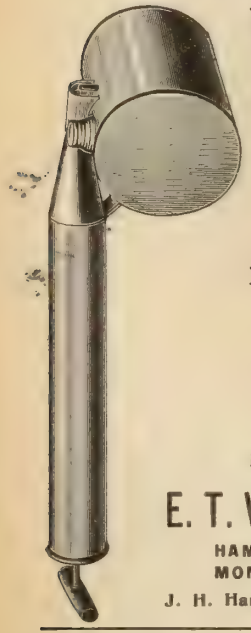
HRS&C°

CANADA AND TIN PLATES

Canadian Office:

6 ST. SACRAMENT ST., MONTREAL

F. A. YORK, Manager.



WRIGHT'S Insect Sprayers

PLAIN TIN,
LACQUERED,
ALL BRASS.

"BEST ON EARTH."

Manufactured by

E. T. WRIGHT & CO.

HAMILTON, ONT., and MONTREAL, QUE.

J. H. Hanson, Agent, Montreal.

KNOX HENRY

Heavy Hardware and Metal Broker
Room 32, Canada Life Bldg., MONTREAL.



Samples sent free on application.

HORSE NAILS—"C" Brand Horse-Nails
Canada Horse Nail Co.

"BRASSITE" GOODS — Gunn Castor Co. Limited, Birmingham, Eng.

McCaskill, Dougall & Co
Fine Varnish & Japan
Manufacturers.
Montreal
Price List on application

THE PROPRIETOR'S STORY.



ALABASTINE we have been selling nigh on to twenty years, and know it to be reliable.

We dealers also know that Alabastine is what is in demand, and that to sell anything else for coating walls, we would have to do so on the recommendation that it was the same thing, or just as good as **ALABASTINE.** Would not offer a substitute when Alabastine is called for; no necessity to do that, as it is easier to sell Alabastine, and in handling it we do not incur any risk on account of infringement of patents.

Alabastine is ready for use by the addition of Cold Water, made so by the inventor, Mr. M. B. Church, who was the first to produce a cold water preparation that is thoroughly practical, that has superseded all hot water mixtures, and forced other manufacturers to **UNDERTAKE** the use of the cold water process. Then, again, Alabastine is made in Canada, by Canadian labor and from Canadian materials. It satisfies my customers.

The trade supplied by Wholesale Hardware and Paint Dealers. Also by

THE ALABASTINE CO., LIMITED, PARIS, ONT.

THE INDEPENDENT CORDAGE CO., Limited,

TORONTO.

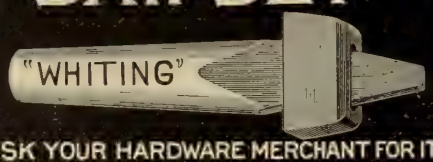
Highest Award Pan-American Exposition

MANUFACTURERS OF ALL KINDS OF

SISAL MANILA **ROPE,** Lath Yarn, Shingle Yarn, Hide Cord, **BINDER TWINE** Pulp Cord, Clothes Lines.

Transmission Rope a specialty.

FOR LUMBERMEN. **SAW-SET** FOR CROSS-CUTS ONLY.



ASK YOUR HARDWARE MERCHANT FOR IT
TAKE NO OTHER. FAILING TO DO ITS WORK YOUR MONEY WILL BE RETURNED
R. DILLON, OSHAWA ONT.

What is a poor Scythe good for?

You make friends and money by selling DILLON'S.

H. & R. SINGLE GUN AUTOMATIC AND NON-EJECTING.

12 and 16 Gauges.
Steel and Twist Barrels.

Superior in Design, Workmanship and Finish, and the most popular Gun on the Market.

Simplest "Take Down" Gun Made.



HARRINGTON & RICHARDSON ARMS CO.
Also makers of H. & R. Revolvers,
Catalog on request. Worcester, Mass., U.S.A.

H ONEST MATERIAL.

U NIFORM QUALITY.

R IGHT TEMPER.

D ECIDEDLY THE BEST.

S ALES ENORMOUS.

Proclaim the Fact,

If your best line of Axes is limited to one brand, THEN,

Let it be "HURD"

The HURD Axe is the best of good axes.
A HURD Axe sold, stays sold.
Most of the cost is put into the quality.

Furnished in all the regular patterns, in single and double bit, in bronze finish, full polished, and hand made. Shipped the day order is received.



MAIL US YOUR HURRY ORDERS.

WE SHIP QUICK.



LEWIS BRO'S & CO., Wholesale Hardware, MONTREAL

THE PATENT FRONT DRAW-OUT GRATE

OF OUR

IMPERIAL OXFORD

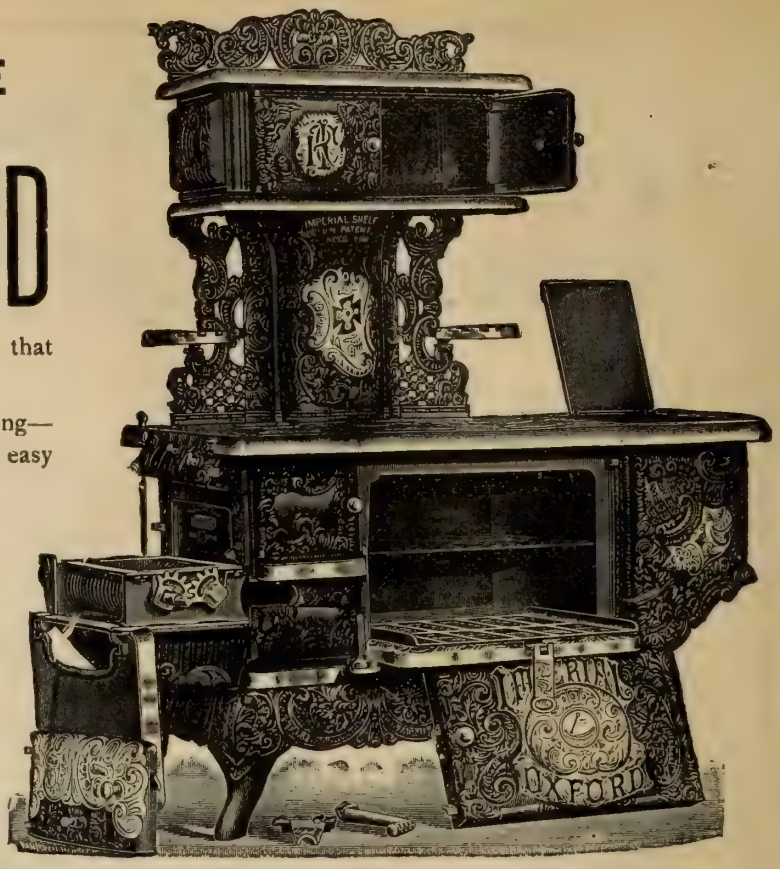
is one of the special features that give it precedence over all other Ranges.

This arrangement is of special advantage, as nothing—not even the warping of the frame—can interfere with its easy working. The

DIFFUSIVE FLUE CONSTRUCTION
DRAW-OUT OVEN RACK
OVEN THERMOMETER

are other improvements that have made the Imperial Oxford the popular range of Canada.

They're wonderful sellers and we remind you that early orders receive prompt attention.



THE GURNEY FOUNDRY CO., Limited

TORONTO. WINNIPEG. VANCOUVER.

THE GURNEY-MASSEY CO., LIMITED, MONTREAL.

ESTABLISHED 1750

THE EDINBURGH ROPERIE & SAILCLOTH Co Ld

(TELEGRAPHIC ADDRESS ROPERIE) LEITH SCOTLAND

MANUFACTURERS OF EVERY DESCRIPTION OF

CORDAGE & CANVAS









MANILA ROPE
SISAL ROPE
NEW ZEALAND ROPE
RUSSIAN ROPE
JUTE ROPE
FISHING LINES
NETTING TWINES
PARCEL TWINES
SPUNYARNS & PACKINGS
BAILING ROPES & CORDS

TRADE R E © MARK 1750

SAILCLOTH
STEAMER CLOTHS
AWNINGS
TENT CLOTHS
DUCKS
PRESSING CLOTHS
TARPAULINGS
CHEMICAL WATERPROOF
SEAMING TWINES
ROPING TWINES



BUYERS OWN SAMPLES MATCHED AT LOWEST TRADE TERMS

ADDRESS ALL COMMUNICATIONS TO OUR CANADIAN OFFICE AND STORES,

THE EDINBURGH ROPERIE & SAILCLOTH CO'Y, Limited, - - 9 St. Peter Street, MONTREAL.

THE OSHAWA WIRE FENCE CO., LIMITED

OSHAWA, ONT.

Manufacturers of Woven Wire Fencing, Gates, Etc.

Also Dealers in Galvanized Fence Wire.

Agents Wanted.

Send for Catalogue and Prices.



MURALO

THE COLD WATER WALL FINISH

Get a stock of **MURALO** and have a Wall Finish that has quietly stepped into first place in the ranks of **COLD WATER** goods. It holds first place for merit alone. Better milled, better toned, healthier, and easier to apply. **MURALO** is the best advertised Wall Finish in the World.

Agents:

A. RAMSAY & SON, - - - MONTREAL
J. H. ASHDOWN, - - - WINNIPEG
McLENNAN, McFEELY & CO., - VANCOUVER

There are twelve Axes that sell well in every dozen of

DUNDAS AXES

Wait for travellers with samples before placing your orders.

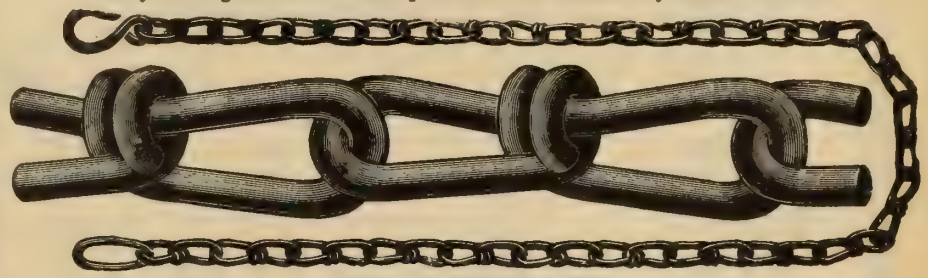


Dundas Axe Works, Dundas, Ont.

W. L. Haldimand, Jr., Montreal, Agent.

IMPROVED STEEL WIRE TRACE CHAINS.

Every chain guaranteed. Most profitable and satisfactory chain to handle.



Improved Quality for 1902.

THE B. GREENING WIRE CO., LIMITED

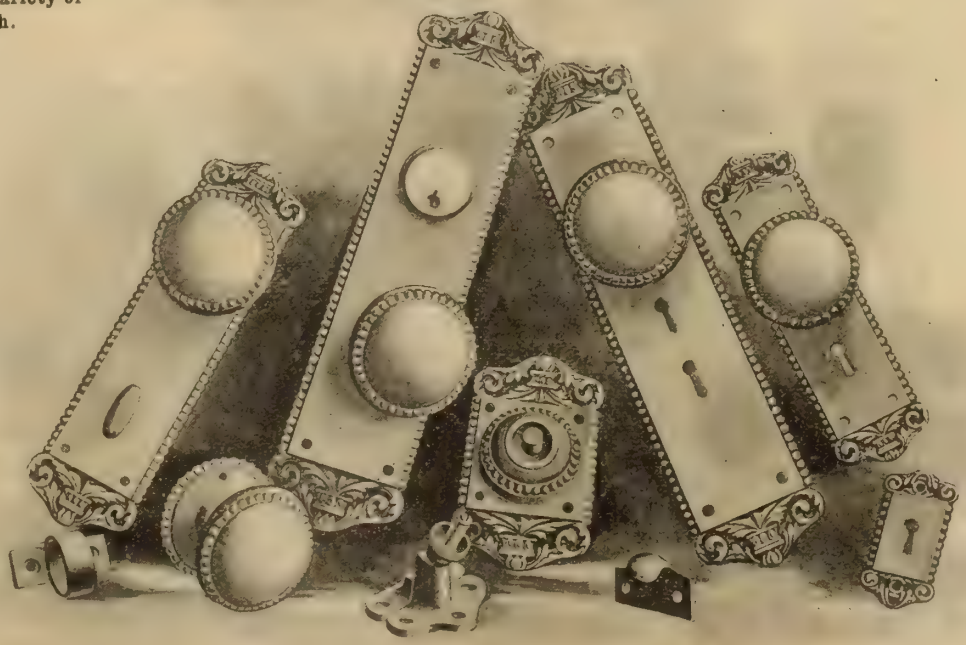
HAMILTON, ONT., AND MONTREAL, QUE.

LOCKS and BUILDERS' HARDWARE

Made in great variety of design and finish.

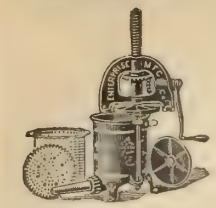
Catalogues and price list mailed on application.

THE LARGEST MAKERS IN THE DOMINION.



The Gurney-Tilden Co., Limited, - Hamilton, Canada.

Sausage Stuffer, Lard and Fruit Press



8 Sizes and Styles

Rapid Grinding and Pulverizing Mills

10 Sizes and Styles for Hand and Power



No. 3, $5.00

Bone, Shell and Corn Mill



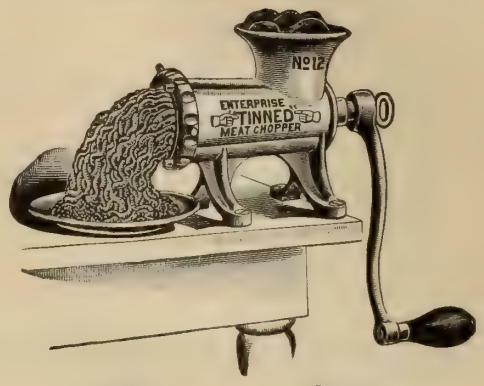
No. 750, $7.50

TRADE "ENTERPRISE" MARK

Meat and Food Choppers

TINNED

40 Sizes and Styles for Hand and Power from $1.00 to $300.00



No. 12, - - $2.50

Sold by all the leading Jobbers of the Dominion

ILLUSTRATED CATALOGUE MAILED FREE

The Enterprise Mfg. Co. of Pa.

Philadelphia, Pa., U. S. A.

Meat Juice Extractor



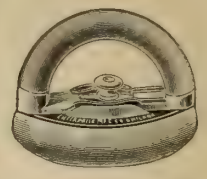
No. 21, $2.50

Raisin Seeder



No. 36, $1.00

Cold Handle Polishing IRON



No. 82, $6.75 per doz.

Supplies for the Maple Syrup Season

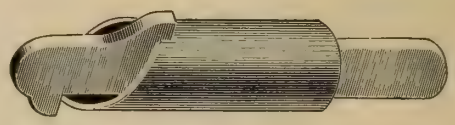


Sap Buckets.

Extra deep and straight. Three sizes. They possess many advantages over the ordinary flaring Buckets; being small in diameter they do not catch the rain or snow, and, as they are very deep, they hang perpendicularly and consequently will not overflow until full. Covers supplied if required. They nest close for shipping or storing.

We can also supply the ordinary Flaring or Western Sap Pails.

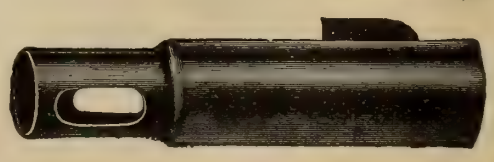
E. T. Sap Spouts.



Made of Retinned Steel. Strong and durable. Only require a ⅜-in. hole in tree. It does not cover the inside surface of the hole, therefore a larger amount of sap is obtained. Packed in cardboard boxes.

Maple Leaf Sap Spouts.

Made in Bronzed Steel. Require a ½-in. hole. Has a shoulder which prevents it being driven in too far. The hole in the tree is not exposed to wind and snow, consequently sap will flow longer. Packed in cardboard boxes.



Syrup Cans. Round or Square.

Plain or Decorated. Made in ¼, ½ and 1-gallon sizes—either Wine or Imperial measure.

A FULL STOCK CARRIED IN ALL LINES. ORDERS SHIPPED PROMPTLY.

KEMP MANUFACTURING CO'Y, - - Toronto, Canada.

HARDWARE AND METAL

VOL. XIV. MONTREAL AND TORONTO, FEBRUARY 1, 1902. NO. 5.

President:
JOHN BAYNE MacLEAN,
Montreal.

The MacLean Publishing Co.
Limited

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P.E. Island and Newfoundland.

OFFICES.

MONTREAL - - - - 232 McGill Street. Telephone 1255.
TORONTO - - - 10 Front Street East. Telephone 2701.
LONDON, ENG. - - 109 Fleet Street, E.C. W. H. Miln.
MANCHESTER, ENG. - - 18 St. Ann Street. H. S. Ashburner.
WINNIPEG - - - Western Canada Block. J. J. Roberts.
VANCOUVER, B.C. - - - Flack Block. J. A. Macdonald.
ST. JOHN, N.B. - - No. 3 Market Wharf. J. Hunter White.
NEW YORK - Room 442 New York Life Bldg.

Subscription, Canada and United States, $2.00.
Great Britain and elsewhere - - 12s.

Published every Saturday.

Cable Address { Adscript, London. / Adscript, Canada.

WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

THE CHIEF CAUSE OF FAILURES.

NOTHING is more necessary when beginning business than capital. It is the very foundation of business. And its lack is the cause of more commercial failures than all other causes together.

In Canada and Newfoundland, last year, there were 1,379 failures. And, according to Bradstreet's commercial agency, 974 of these were due to lack of capital alone. In other words, it was the cause of over 70 per cent. of the total failures. And this is about the average of several years past. This is a much larger proportion than in the United States, where the percentage last year was only a little over 30.

These figures are certainly startling. An ambition to go into business on his own account is commendable in any young man. But it is well that ambition of this kind should on all occasions be tempered with common sense.

Capital as a necessity in business is gradually becoming more and more important. The amount that even 10 years ago would have been considered substantial capital would to-day be deemed insufficient to warrant one launching into business for himself.

With the keenness of competition and the smallness of profits that are such marked features of business conditions to day, it is only commercial enterprises that are strongly fortified with capital that can hope to succeed. It is this more than anything else that induces seperate business enterprises to amalgamate, and that brings into existence the large department stores.

It is better that one should forever be an employe than that, becoming an employer with inadequate capital, failure should follow and the savings of years of hard work lost.

FIRM LINSEED OIL MARKET.

Linseed oil appears to be in a rather favorable position just now. At this time of year there are usually exports of seed from the United States to Great Britain and Europe; but instead of exporting the United States is at present importing, being a purchaser of Argentine seed. Flaxseed is showing increased firmness in Chicago, and quotations of oil in London, Eng., are at the moment above the parity of prices in Toronto for 10-barrel lots.

SENTIMENT IN BUSINESS.

SENTIMENT does not count for much in trade, either in individuals or in nations. Price, commensurate with quality, is the ruling influence. Sentiment may incline buyers in the direction of certain sellers, but it is easily switched in another direction if more favorable economic conditions prevail elsewhere.

Canadians would rather import from Great Britain than from any other country, and the British people, we have reason to believe, would rather buy Canadian than goods that are the product of countries outside the British Empire. But all things, particularly in regard to cost and quality, must be equal. Business is business the world over.

It is obvious, therefore, that the chief aim should be to manufacture an article whose quality is good and whose price will not be above that of those who are his competitors in the same market.

We do not wish to ignore sentiment in business. On the contrary, we would urge its cultivation, for it has its use. And that is to throw the balance in the desired direction when competitors are equal as to quality and price. But it is childish and unbusinesslike to expect that sentiment shall be the determining factor in mercantile life under all conditions. If it were possible to make it so, what would be the result? Simply that those who relied upon it would become effete and unprogressive, and would ultimately cease to exist.

The commerce of the world has not been developed on sentiment. Competition and enterprise have been the most potent forces.

THE C.P.R.'S NEW STOCK ISSUE.

THE announcement that the Canadian Pacific Railway Co. has been granted permission by the Government to issue new stock to the extent of $20,000,000 has naturally excited a great deal of interest in financial and commercial circles.

It is stipulated by the conditions under which the power has been granted by the Government that the stock must not be sold below par. The money obtained from the disposal of the stock is to be applied in the following manner: New rolling stock and locomotives, $9,000,000; double tracking west of Lake Superior, $6,000,000; new plants for construction of rolling stock, chiefly at Montreal, $1,500,000; new elevators, improvement of terminals, etc., $3,000,000; miscellaneous improvements, $500,000.

This is an age when people are more disposed than ever before to criticize closely new powers or privileges which may be granted to railway corporations. This is, of course, due to the fact that the looseness in this respect in the past on the part of both the people and their representatives in Parliament allowed the railway corporations to so fortify themselves behind agreements and legislative enactments as to make them and not the Government masters of the situation. To-day it is an unwritten law that no further privileges or powers shall be granted the big railway corporations, and particularly the C.P.R., unless the applicant for the powers agrees to make some concessions on privileges obtained under previous agreements. This, it will be remembered, was one of the features of the agreement with the C. P. R. when it was given the authority to construct its Crow's Nest Pass branch, a certain reduction in the freight rates being the concession obtained.

Under the agreement just made between the C.P.R. and the Goverument, whereby the former is permitted to issue the $20,000,000 of stock, certain concessions have also been obtained from the railway company. What their value is it is scarcely possible at the present to determine.

In the Act of 1881 incorporating the C.P.R. it was stipulated in the clause regulating the freight rates that "such reduction may be to such an extent that such tolls when reduced shall not produce less than 10 per cent. per annum on the capital actually expended in the construction of the railway." In other words, until the capital expended in the construction of the road earns more than 10 per cent. the Government cannot have a voice in determining the freight rates. What this clause really means has never been authoritatively defined, legal opinion being divided in regard thereto, although to the lay mind it would seem to clearly indicate that the purpose of the Act was to give the Government control of the rates as soon as the earnings were in excess of 10 per cent. of the capital actually expended in the first cost of the road. However, it is in regard to this clause that the concessions made by the railway in the present instance are concerned.

In the first place, the C.P.R. agrees that the $20,000,000 obtained from the issue of new stock and expended on construction work shall not be reckoned as a part of the cost of the railway. It is further agreed to submit the regulating clause in the Act of 1881 to the Supreme Court of Canada or to the Judicial Committee of the Privy Council, if necessary, for interpretation.

If the court of final appeal should give the clause the wide interpretation, namely, that the cost of construction means the amount spent on the road, not only in the first instance, but for all time, then the agreement of the C.P.R. not to count as a part of the cost of the construction the $20,000,000 which it now proposes to expend is perhaps of some value, although but slight, for, if the Act is so interpreted, it will practically mean that the dividend-earning power of the company will always be kept below the point where Government interference in the rates would be possible. Should the courts, on the other hand, interpret the clause as meaning the cost in the original construction of the road, then it would obviously be of no importance whether the railway company agreed or not to include the $20,000,000 out of the reckoning.

However, there is one thing that should be a source of satisfaction to all, and that is that the development of the West has necessitated the C.P.C. expending such a large amount of money in putting its rolling stock and track in a position to cope with it.

A BUSINESS MAN FOR GOVERNOR.

IT is announced by the daily papers that Senator Snowball is to be appointed Lieutenant-Governor of New Brunswick.

The gubernatorial office is not one in which the occupant is supposed to exercise much influence in the business of the State. We believe, however, that a Provincial Governor can, if he has the ability, do a great deal in directing the minds and actions of the members of his Cabinet along the same practical business lines as a business man would the heads of his various departments.

Mr. Snowball has had several years' experience in both the House of Commons and the Senate, but, what is more important still, he has had many years of practical experience as a business man.

In Chatham, N.B., his large sawmill is the most important of its kind on the Miramichi river, turning out, as it does, large quantities of lumber annually for the British and Continental markets. Besides this, there are other industries in that part of the country which have his advice and financial assistance.

At the annual meeting of the Maritime Board of Trade, held in Chatham in August last, he was most assiduous in his attention to the business of the convention, and assisted materially in making it the success it was, from both a business and a social standpoint.

The business men of New Brunswick are to be congratulated in having as their next Lieutenant-Governor a practical and a successful business man.

A DECLINE IN COPPER RIVETS.

A change has been made in the price of copper rivets and burrs, and also in the manner of quoting the same.

When copper rivets with the usual proportion of burrs are wanted the discount is 45 to 10 per cent., instead of 35 and 5 per cent. This is a reduction of 20 per cent. If copper burrs only are wanted the discount is 30 and 10 per cent., which makes the price slightly higher than before.

Competition is the chief cause of the decline, although the weakness in the copper market is doubtless a factor as well.

THE LATE H. S. HOWLAND.

BY the death of the late H. S. Howland Toronto loses a venerable and greatly respected citizen. He was not a presumptuous man. He was the very contrary. Quiet and unassuming, he went about his business without any blare of trumpets. But he was a man of more than usual ability in the commercial sense, and, by force of this, he won a place in the commercial and financial world such as is attained by few. Besides being head of the wholesale hardware firm of H. S. Howland, Sons & Co., Toronto, and of his extensive flour milling properties at Kleinburg, Ont., be was president of the Imperial Bank, and, in spite of the 78 years that rested upon him, was, up to within three or four days of his death, apparently hale and hearty. It was while returning from a visit to the mills at Kleinburg that he was stricken with paralysis. This was on Saturday, January 25, his death taking place the following Tuesday night.

Deceased came to Canada about 62 years ago from Paulings, N.Y., and at Lambton Mills engaged in the milling industry with his brother, the present Sir W. P. Howland, From that time until within a few days of his death he was an active participant in the commercial life of Ontario. He was, during his life, the president of three railways, namely, the Toronto and Nipissing, the Toronto, Grey and Bruce, and the Toronto and Ottawa.

In bank organization he also played an important part, being one of the moving spirits in the creation of both the Bank of Commerce and the Imperial Bank, the former of which he was vice-president at its inception, and the latter of which he was president at the time of his death.

Never a man who courted public life, he, however, at one time took some share in municipal politics and served a term as warden of York County.

He was a type of a business man who said little and did much.

In manner, he was quiet, even tempered and genial. To converse with him was a privilege, for he was liberal in his views, was well informed on public affairs and current topics, and was full of interesting reminiscences of the commercial life of Canada during the 60 years in which he was such an active participant.

He is gone, and his going reminds us of the two last verses of one of the great Samuel Johnson's poems :

The busy day—the peaceful night,
Unfelt, uncounted, glided by ;
His frame was firm—his powers were bright,
Though now his eightieth year was nigh.

Then with no fiery throbbing pain,
No cold gradations of decay,
Death broke at once the vital chain,
And freed his soul the nearest way.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

A DEMAND of assignment has been made on Joseph Cousineau, coal and wood merchant, Montreal, Que.

Pouilot & Gervais, painters, Quebec, have compromised at 50c. on the dollar.

A consent of assignment of Gregoire Leveille, plasterer, Montreal, has been filed.

S. O. Donoghue, builder, Antigonish, N.S., is offering to compromise at 50c. on the dollar.

The creditors of Joseph Laporte, wood and coal merchant, Montreal, held a meeting on January 30.

PARTNERSHIPS FORMED AND DISSOLVED.

Laird & Ford, builders, Deloraine, Man., have dissolved.

C. D. Alluisi & Cie, plaster ornaments, Montreal, have dissolved.

The Montreal Size Co., glue manufacturers, Cote St. Paul, Que., have dissolved.

SALES MADE AND PENDING.

The assets of A. O'Borne, wood and coal merchant, Montreal, have been sold.

O'Borne Bros., lumber and implement merchants, Ponoka, N.W.T., have sold out.

The assets of J. A. Duval, hardware merchant, Montreal, are to be sold on February 3.

The assets of The Diamond Lighting Co., Montreal, are advertised for sale by tender.

The assets of The Brampton Gas Co., Limited, Brampton, Ont., are advertised to be sold by tender.

CHANGES.

The Canadian Automachine Co. has registered at Montreal.

Rousse & Rousse, wood and coal merchants, Montreal, have registered.

The Columbus Building Association, Quebec, has applied for a charter.

The St. Anne Co., lumber merchants, Quebec, have applied for a charter.

James Gard, blacksmith, Alberton, P.E.I., is succeeded by Arthur Hardy.

John Galey & Co., sawmill owners, St. John, N.B., are going out of business.

Catherine Fraser has registered at Montreal for Wm. F. Copland & Co., carpenters.

James Curran has registered for Moore & Co., wood and coal merchants, Montreal.

D. Holmes & Co., stoves, etc., Yarmouth, N.S., have sold out to A. J. Lincoln.

W. A. MacKay, electrical supplies, Halifax, N.S., has removed to North Sydney.

The Broadbent Wood Turning Co., Limited, Broadbent, Ont., has obtained a charter.

Ashdowns', hardware merchants, Yorktown, N.W.T., have been succeeded by S. G. McKee & Co.

James McCann, agricultural implement merchant, Killarney, Man., has sold out to Robert Lawson.

Mrs. T. Dansereau has registered for T. Dansereau & Cie, wood and coal merchants, Montreal.

Charles F. Moore has registered for T. F. Moore & Co., wood and coal merchants, Montreal.

The Heaslip-Lawton Co., Limited, agricultural implements, Alameda, N. W. T., is applying for incorporation.

The Montreal Lumber Co., Limited, is applying for supplementary letters to increase its capital to $100,000.

The Bennett-Foster Co., contractors, River Desert, Que., have obtained a charter.

Arthur Doig, hardware and implement merchant, Birtle, Man., has sold out to Taylor & Mitchell, who take possession March 1.

FIRES.

E. A. Pearson, tinware merchant, Rat Portage, Ont., was burned out.

Peter Loubret, painter, Quebec, has been burned out. His stock was insured.

T. Laframbroise, carriagemaker, St. Phillipe D'Argenteuil, Que., has been burned out.

The building at Sydney, N.S., belonging to Rhodes, Curry & Co., Limited, contractors, Amherst, N.S., has been burned. It was insured.

W. S. Duggan, general merchant, Oil Springs, Ont., has suffered loss by fire. His property was insured.

DEATHS.

Alfred Mills, lumber and coal merchant, is dead.

John Taylor, coal merchant, Dunnville, Ont., is dead.

Henry S. Howland, of The Graham Nail Works, and H. S. Howland, Sons & Co., wholesale hardware merchants, Toronto, is dead.

ANNUAL MEETINGS OF BOARDS OF TRADE.

THE BERLIN BOARD.

QUITE a number of prominent members were present at the annual meeting of the Berlin, Ont., Board of Trade on January 23, when the president's report was presented and the officers elected for the year 1902.

The retiring president, S. J. Williams, in his address, mentioned the securing of the factory for the town of Berlin, the progress that had been made in the problems of technical education, the lighting plant, additional railway facilities and the matter of the Shurley & Dietrich industry.

He also noted the increase of 59 in the membership during the year, the total number now enrolled being 224. The board had held 15 regular and 10 special meetings during the year. He concluded by urging the new members to take a live interest in the work.

A vote of thanks was heartily given to the retiring president, Mr. Williams, for his services during the past two years. Mr. Williams would not stand for reelection.

The following are the officers for the year 1902 :

President—Robert Smyth.
Vice-President—J. P. Bell,
Secreary—H. J. Sims.
Treasurer—Edward Smyth.
Council—S. J. Williams, H. L. Janzen, C. K. Hagedorn, J. U. Clemens, D. B. Detwiler, C. A. Ahrens (jr.), G. Shirk and C. H. Mills.

THE TORONTO BOARD.

The annual meeting of the Toronto Board of Trade was held on Monday afternoon. The president, vice-presidents and treasurer having been elected by acclamation a week before, interest in the meeting was naturally not as keen as it might otherwise have been. The officers for the ensuing year are as follows :

President—Mr. A. E. Ames.
First Vice-President—Mr. J. F. Ellis.
Second Vice-President—Mr. J. D. Allan.
Treasurer—Mr. E. R. Wood.
Members of the Council—Hugh N. Baird, T. G. Brough, R. J. Christie, W. F. Cockshutt (Brantford), W. J. Gage, Edward Gurney, Peleg Howland, A. E. Kemp (M.P.), C.G.Marlatt (Oakville), Noel Marshall, P. R. Miller, J. L. Spink, Miles Vokes, W. A. Warren, J. W. Woods.
Board of Arbitration—Geo. H. Baird, Hugh Blain, Lieut.-Col. J. I. Davidson, D. O. Ellis, M. C. Ellis, Thos. Flynn, S. R. Hart, W. D. Matthews, J. C. McKeggie. W. K. McNaught, D. M. Spink, W. M. Stark.
Industrial Exhibition Board—S. E. Briggs, John Carrick, Geo. Edwards, R. Y. Ellis, R. W. Elliott, Geo. H. Gooderham, W. P. Gundy, Thos. H. Lee.
Representatives on Harbor Commission—Barlow Cumberland, J. T. Matthews.

The annual address of President Ames was comprehensive and interesting. The attitude of the board in regard to technical education had, he said, always been that the country should adopt a vigorous policy of scientific education. He added: "The importance of better instruction to artisans, and to those who have to master the still higher branches of mechanical effort, is being recognized by the Provincial and Dominion Governments to a large extent, but it is very much to be desired in the interests of the country, that still greater earnestness be directed to evolution along these lines upon thoroughly scientific and practical bases."

The subject of the Bell Telephone Co. Mr. Ames prefaced with the disclaimer o any idea of hostility to that institution. The naturally monopolistic nature of the business of the company, however, rendered it necessary that patrons should be protected. The increased charge for long-distance apparatus, the increase of stock in 1892 from $2,000,000 to $5,000,000, the attempt to increase rates in 1897, which was resisted by the board, Toronto City Council and other bodies, and the Bill of last session to increase the capital stock were all touched upon.

He said he desired to impress upon all citizens their responsibility in developing Canada, and by broad intelligence and business integrity Canadian goods of every kind should be of the highest character possible, so that they could compete with any in the world.

Now that the tariff, or the means of securing commercial prosperity, was considered too big a question to be played with for party advantage, Mr. Ames urged that public attention should be concentrated not upon party, but upon the best means of enhancing the development of Canada, and to this end he would like to see a greater feeling of independence in the rank and file in regard to party lines. While the tariff was sleeping, Mr. Ames thus urged the systematic study of Canadian industries: "As has been said, the tariff is out of politics, but that is only a passive state. It seems to me that what we need during the next five years, starting now, is the energetic consideration by our Governments of all the conditions under which the citizens of this country do business. It will be a great day for Canada when the strife between the two parties is wholly as to which can best discover and supply the country's needs, and when the electorate distributes the rewards of office for success in this direction and without prejudice as to the name the party bears."

The president's report was adopted amid applause upon the motion of Mr. Hugh Blain, who congratulated the president upon its interesting and valuable character.

Mr. J. D. Allan also spoke in reference to the report, and also in regard to the resolution of condolence with the family of the late Walter S. Lee, a valued member of the board since 1864, which resolution was passed in the usual form.

Mr. J. W. Woods, in the absence of Mr. J. L. Spink through illness, moved the resolution making retiring Secretary Wills an honorary life member, to which Mr. Wills replied briefly.

Mr. D. Rose suggested that Dr. Montague be asked to lecture before the board on Australian trade matters. The question was left over for further consideration.

The resolution in regard to urging Britain to adopt a preferential tariff on wheat was held over to be discussed on Wednesday, February 5, and on motion of Mr. Hugh Blain members will be supplied with printed copies.

A NEW BOARD AT ALMONTE.

A board of trade has been formed at Almonte, Ont. On January 22 about 40 of the leading citizens and business men attended an open meeting presided over by Bennett Rosamond, M.P., at which a committee was appointed to take the steps necessary before applying to the Secretary of State for incorporation. An application for a charter was signed by those present, and, it is hoped within a short time the board will be fully organized.

The meeting was addressed by the chairman, Bennett Rosamond, M.P., who said the town, if they had had a board of trade two years ago, would not have had a worthless lighting plant, and been compelled to pay twice as much for water-power as they should.

K. Eardley-Wilmot has had a good deal fo do with interesting the business men in this matter. He said that, coming

WIRE NAILS
TACKS
WIRE
Prompt Shipments
The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

as a stranger, there seemed to be a lot of mismanagement in that town, and that a board of trade would guard the interests of the town.

A number of others, including J. Robertson, Squire Smith, Wm. Thoburn, M. Grey, also thought it a good move to establish a board of trade.

The committee appointed consists of B. Rosamond, M.P., K. Eardley-Wilmot, W. H. Stafford, J. Robertson and Mayor Simpson. These will take the steps necessary to obtain a charter.

K. Eardley-Wilmot has been elected secretary pro tem.

A POETICAL SECRETARY.

Secretary George E. Calkin, of the Kentville, N.S., Board of Trade, is of a somewhat poetical turn of mind. And, in calling the recent annual meeting of the board, he dropped into verse in order to emphasize upon the members the necessity of taking a lively interest in that organization. There were nearly 70 lines in his effusion, the concluding verse of which ran :

Then stir up the laggard
And push out the drone,
Let us all strive together
To better our town,
For we are not merely
The power behind,
We are People and Throne.

Some may be disposed to criticize the poetry, but no fault can be found with the sentiment.

SUMMERSIDE BOARD OF TRADE.

There was a good attendance at the annual meeting of the Summerside, P.E.I., Board of Trade, on January 22, when Hon. R. C. McLeod, the president of the board, gave a resume of the year's work. In his speech he dwelt particularly with an experiment now being tried on the Summerside Tormentine route.

A resolution was passed complimenting Hon. Jas. Sutherland on his appointment as Minister of Marine and Fisheries.

The meeting was also addressed by J. A. Brace, Neil McQuarrie, Wm. Stewart, and Richard Hunt. Several remarks were made by other members of the board on the year's work of the council. The following are the officers elected :

President—Hon. R. C. McLeod (reelected).
Vice-President—Neil McQuarrie (reelected).
Secretary—D. K Currie (reelected).
Auditors—John Grady, J. S. Hinton.
Council of Board of Trade—J. A. Brace, W. A. Brennan, Ronald Campbell, George Godkin, R. T. Holman, Richard Hunt, Joseph Read, David Rogers, John A. Sharp, Neil Sinclair.

SOLD HIS STOCK.

W. J. Leed, of London, has disposed of the hardware stock of W. S. Rodgers & Son, Glencoe, Ont., which he had recently purchased, to T. Poole, of the same place.

The Four Factors

that bring success to *S.-W.P.* Agents are

S.-W.P. Methods,
S.-W.P. System,
S.-W.P. Advertising,
S.-W.P. Quality.

With quality alone *S.-W.P.* can place any paint dealer at the head of the business in his locality, but we don't depend on quality alone. We back the quality up with methods, system, and advertising that insures success from the start. The combination can't be beat, and will win out against any competition, anywhere paint is sold.

If you want to learn in detail about these four factors, send a postal card to-day for the "B-13 Booklet." It is full of valuable information.



THE SHERWIN-WILLIAMS CO.
PAINT AND VARNISH MAKERS.
CLEVELAND.
CHICAGO, NEW YORK, NEWARK, MONTREAL, BOSTON, TORONTO, SAN FRANCISCO. KANSAS CITY.



CATALOGUES, BOOKLETS, ETC.

CANADA WOOD SPECIALTY CO.

In a tastefully gotten up and neatly printed circular the Canadian Wood Specialty Co., Limited, of Orillia, are announcing to their friends and patrons that the businesses carried on by the Canada Wood Specialty Co. and N. Janes & Son have been amalgamated under the name and style of The Canada Wood Specialty Company, Limited. They state that they will continue the manufacture of birch and maple flooring, turned goods, and a full line of veneer work. They will by the new building kilns and up-to-date machinery be able to turn out first-class work on very short notice.

A FREEZER CATALOGUE.

North Bros. Manufacturing Co., Philadelphia, Pa., are the makers of a large variety of ice cream freezers embodying all that is best and of intrinsic merit in an ice cream freezer. These are distinguished from all others by such practical features as automatic twin scrapers and drawn-steel bottom cans that will not break. The pails are of cedar with electric welded wire hoops that are guaranteed not to break. All sizes from the 1 quart "Lightning" to the 40-quart "machine" freezer are carried in stock by this firm, who are also prepared to furnish to the wholesale jobbing trade ice crushers, packing tubs and cans for ice cream makers, and ice chippers and shavers for home use.

This firm are also the makers of the "Yankee" tools, simple in construction, strong, durable, smooth workers and handsomely finished, and they will not get out of order. These consist of screwdrivers of various patterns and also a number of different varieties of drill points for carpenters, cabinetmakers, etc., for boring wood for such various purposes as the setting of screws, nails and brads.

Both their ice cream freezers and "Yankee" tools have received the highest awards for machines and tools of their kind at the Philadelphia Export Exposition of 1899 and the Paris Exposition of 1900.

Their handsome little catalogue and price list for 1902 will be mailed to our readers on application. Mention HARDWARE AND METAL when you write.

A SPORTING GOODS CATALOGUE.

It is only the ordinary thing for big firms to get out catalogues of their goods every year, but it is decidedly out of the ordinary when one comes across a catalogue like that of John Millen & Sons, Montreal and Toronto, which has recently been issued for 1902. Bicycles and bicycle parts are a specialty in this house, so the first part of

the catalogue is devoted to these. Everything imaginable that is used in connection with bicycles may be found here, all illustrated in either half-tone, line or zinc engravings. The cuts show up well, and, in addition, a perfect idea of the goods can be obtained from the descriptive text which accompanies each. Other sporting goods, guns, fishing rods and tackle, baseball, tennis, hockey, golf and lacrosse necessaries, besides a great many other things in the hardware line, are advertised in this catalogue.

But the chief interest centres in the last portion of the book. It is a key catalogue, and contains 30 pages, fully illustrative of the great variety of keys carried by this house. They are of every shape, size and price. If only to have this assortment of keys alone the catalogue is valuable, but, as a means of to all sorts of light hardware and sporting goods, there is nothing like it. The catalogues are being sent out, and dealers who do not receive one will miss much if they neglect to drop a card to the firm asking for a copy.

PAINTS FOR RETAILERS.

An article of merit, well advertised, and attractive. Dealers handling "Zanzibar" paints have these three things to aid them: These paints are of unquestionable high merit and always uniform; advertising matter in the most attractive form is furnished; and the lithographed labels used on all cans are among the most handsome used in the Dominion. The Zanzibar Paint Co., Limited, are sole manufacturers.

HAMILTON BRANCH ORGANIZING.

A large number of Hamilton retail merchants gathered in the Board of Trade Rooms, Hamilton, on January 22 to listen to President Rogers, of The Toronto branch of The Retail Merchants' Association, and Secretary Trowern address them on the advisability of forming a branch in Hamilton. A number of Hamilton merchants gave their views, after which they decided to organize a branch of The Retail Merchants' Association of Canada in Hamilton.

A committee consisting of T. O. Carpenter, H. Hiland, Albert Case, J. T. Clarke, Wm. Bews, James Dunlop, Burwell Griffin, F. R. Newberry, G. S. Klein, and Wm. Fraser were appointed to make the necessary arrangements.

Hyacinthe Sylvestre, of Sylvestre, Hyacinthe & Son, hardware merchants, Montreal, is dead.

The foundry of The T. H. MacLean Manufacturing Co., Limited, was recently burned down. The loss is covered by insurance.

IVER JOHNSON BICYCLES

NEWEST AND LATEST TRUSS FRAME

The Truss frame satisfies that longing for something new and good in a bicycle—it possesses the advantage of racing weight and roadster strength—a rigid crank hanger—greater speed—no buckling of frame—

Made of one-inch Tubing.

Agents wanted in unoccupied territory; send for new catalog just issued.



(FRAME PATENTED.)

IVER JOHNSON'S ARMS & CYCLE WORKS,

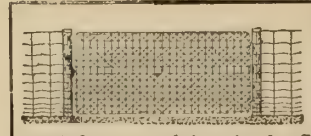
New York Salesroom—
99 Chambers Street.

FITCHBURG, MASS., U.S.A.

Zanzibar Paints

We do not say "there are no other good paints"; we do not have to sell our paints in that way, but we do say **ZANZIBAR PAINTS** in point of service and appearance are unequalled. Do you carry them in stock? You should. Write for our "Terse Talks."

THE ZANZIBAR PAINT CO., Limited - - Toronto, Can.



PAGE METAL GATES are so low in price no one can afford to use wooden ones. Light, and yet strong enough to support a heavy man on the end while he swings around the circle without causing them to sag. They are neat in appearance, will last a lifetime. Will not sag nor get rickety. They are supplied with latches which allow them to be opened either way and are self acting. The only good metal gate that is low enough in price for General farm purposes. We also make Farm and Ornamental Fence, Poultry Netting, Nails and Staples. The Page Wire Fence Co., Limited, Walkerville, Ont.

STANYON ENGINEERING CO.

402 McKINNON BUILDING,

'Phone Main 2177. TORONTO

CONTRACTING AND CONSULTING ENGINEERS.

Steel Works, all kinds of Rolling Mills, Wire Mills, etc., all built complete. Machinery designed for any purpose.

GENERAL OFFICES, - - PITTSBURG, Pa.

YOUR ORDER FOR

Coiled Spring Wire

and all other kinds of fence wire, staples, pliers, stretchers, reels, steel gates and general fencing supplies can be supplied on shortest notice, best quality and lowest prices, by—

THE LONDON FENCE MACHINE CO., Limited.

LONDON, ONTARIO.

THE ADVERTISING ARENA.

A LESSON IN ADVERTISING

A WHOLESALER, according to Hardware Trade, in New York had one of the brightest and most impressive lectures on advertising read to him by a country merchant, that he has ever heard in his life. The country merchant is one of the ordinary merchants. He is a character in his way, a Hibernian, and with his full share of the proverbial wit. He was on a buying trip, and passing a wholesale house he observed paper napkins in the window. He went in to look at them, for he had sale for such things in his store.

"An' do ye have paper napkins to sell?" he asked of the wholesaler. He did have them, he said. "An' how the devil do I be knowin' that ye have paper napkins to sell, if I don't come down here and happen to see them in the windy? Why don't ye tell a man ye have paper napkins? Why don't ye advertise? Thin we'd know what ye had to sell." The merchant told him that he did advertise, which was true.

"Ah, yis," said the merchant, "an' how do ye advertise? Ye put a cut of yer buildin' in the paper. Now what the devil do I be wantin' to see the cut of your buildin' for? I don't care for yer old buildin'. It's what's in yer buildin' that interests me. If ye have paper napkins, say ye have paper napkins, and don't be showin' us a picture of your big sthore. That's the way I'm a-goin to sell these paper napkins I'm buyin' of ye. I put an advertisement in me paper at home to till the people of me town that I have paper napkins to sell and the price they have to pay for thim, an' be the powers they come an' buy thim."

This wholesaler told me that he had more good advertising sense rubbed into him in 10 minutes by this merchant than he had found in books in the past 10 years.

JOHN KNOWS IT.

A newspaper whose columns overflow with advertisements of business men has more influence in attracting attention to building up a town than any other agency that can be employed. People go where there is business. Capital and labor go where there is an enterprising community. No power on earth is so strong to build up a town as well as a paper well patronized, and its power should be appreciated. The man who overlooks his town paper injures himself by injuring his town and townsmen. —John Wanamaker.

SOME SAMPLE ADS.

To Clean Out Our Stock of Skates

We have made a reduction all along the line in all styles and qualities. Besides our regular stock we have a large number of shopworn skates—the accumulation of several years past, which we will sell at bargains. We will show you skates, and good ones, too, from 35c. up.

After Inventory Sale

We finished up the taking of inventory this week and we found quite a number of seasonable suits that will be of more benefit to you than to us—therefore we have made a substantial reduction in price—a reduction that ought to clean every one out in quick order.

We maintain that no ready-made clothing can surpass the kind we sell—it is made to wear and made to fit—and you'll agree with us, if you come in, that the price isn't a matter you can object to.

Your credit is good.

—Printers' Ink.

Jeweled Rings and Diamond Hearts

HOW MUCH MONEY TO SPEND?

Truly an interesting question. It all depends upon the goods and the competition. Another good question to ask is, Who else is in the field and how well are they occupying it?

Take baking powder. It will be conceded that this article has been well advertised. There was a time when a manufacturer might have started a baking powder business with small capital, and by judicious effort had a good chance to win out. That time has passed. There is no use talking about trusts and their good or bad features. Let politicians do that. The fact remains that a firm that has gone in and possessed the land, is making a good article and has a strong and sensible advertising policy, is in a position to continue. Before the business can be diverted to any great extent it will be necessary to get a better article or spend more money pushing it. Another thing. The new article must be a good deal better, and the big concern generally sees to it that theirs is about as good as can be made.

I knew a firm that did not believe this. They were going to sell to jobbers at better discounts, give retail men more profit and sell an article just as good. The jobber and retail man would be glad to push it along, you know, because they would get larger profits.

They forgot about the public.

I asked them, "How much money have you got?" They seemed to think it was none of my business. Then I asked them how much money they would put up and be able to lose without seriously imperilling their capital. This seemed easier, and at last I learned that they would put up $2,000. This was to include their advertising expenses and my service. Two thousand dollars against the combined result of possibly a million. Their great point was that they would reinvest their profits. Reinvesting profits looks easy, but it is the rock upon which many a concern has gone up against to disaster. The trouble is there are no profits to reinvest. One dash, one chance in a hundred, and nothing behind it to give them another chance for their money.

I thanked them for the offer, but refused the service, and explained my reason. Other heads were bowed beside the remains of foolish advertising experiments. They probably think advertising doesn't pay.

How much to spend? It must be enough to justify a reasonable hope of success. No one knows absolutely in advance what will be the result of advertising effort. Those with most experience and ability can make the closest guess, and they try the best plan first, but are sure to keep enough money in reserve to be able to change the policy if necessary.

Some lines can be tried with little money. They are most inviting. Other lines require enough money to make a positive disturbance before results can be expected. They must make noise enough to be heard by all the people before trade can be expected to move in their direction.

The foolish man thinks only of his own business. The wonderful goodness of his

product, and the money he can make by reinvesting his profits. The wise man studies the situation from the buyer's standpoint. He makes up his mind in advance as to how much publicity he must have before he can expect success, and then sits down and counts his money.

The exception? Oh, yes, there are exceptions to this rule. Nobody knows what the percentage is, but experienced advertising men can think of but few. Some have spent money and won in violation of all rules of business sense. Chance, luck, gamble. The exception is so small that it cuts no figure. The real advertising work has been done, as it should be, by someone who knows the facts and has the sagacity to understand how much money to spend.—Seth Brown, in Printers' Ink.

ADVERTISING JOB LOTS.

The "job lot," "closing out slaughter" and other well-known reasons for sales have been so overworked in advertising that most people are aware of their sham. Probably there will be a change in the tenor of such publicity ere long, though it is difficult to say what form it will take. The store which advertises good wares at a decent profit, dwelling upon quality and reliability, probably succeeds as well as the establishment which is continually in the throes of its mistakes in buying and efforts to help the manufacturer unload. In the case of the department stores the special sale is likely to last a long while yet, but some of the better-known New York advertisers never use the price reduction sale as an argument in their ads., or use it so rarely that it is always effective by way of contrast.—Printers' Ink.

CHOOSE CAREFULLY.

It is a good plan for those just starting in the mail-order business to use their own judgment and observation as to what line they shall handle and not put too much confidence in the various cheap guides and catalogues which profess to give the beginner a list of the things he should carry in stock. What will sell in one locality may not be at all in demand in another. Before starting look around and see what are the articles most likely to be in demand among the class of people most easily reached by you.—White's Sayings.

THE GOOD AD.

A good ad., remarks The Brookline Chronicle, is an announcement in brief terms, straight from the shoulder, concise and to the point, telling something in a clear and intelligent manner and stating a few prices as an indicator of the way you sell goods or do work.

JONES BROS.

Stove Brick Manufacturers, Fire Clay and Asbestos, Furnace Cement, all kinds of Fire Clay Products made to order from patterns.

BRACONDALE P.O., ONT. (near Toronto.

Lace Leather

Send direct to us for the celebrated "NIAGARA" Brand Lace Leather, best produced in this country. Yellow and White in Sides or Cut Strings. Prices and Samples on application.

WOOD BROS.
Tanners of High-Class Leathers,
ST. CATHARINES, ONT.

Lockerby & McComb

AGENTS IN CANADA

FOR THE

Celebrated P. & B. Cold Storage Lining

AND

. . Ruberoid Roofing . .

P. S.--Prices on Application.

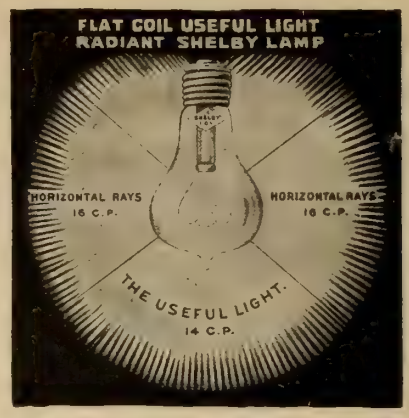
65 Shannon Street, MONTREAL.

THE OAKVILLE BASKET CO.,



Manufacturers of
1, 2, 3 Bushel
Grain
AND
Root
BASKETS

THE OAKVILLE BASKET CO.



FIFTY per cent. more useful light from the same amount of current.

For sale by all dealers in Electrical Supplies.

THE ONTARIO LANTERN CO.

WALTER GROSE, Selling Agent, Montreal.

MANUFACTURERS, **HAMILTON.**

To Oven Builders, Etc.

The Canadian Patent Rights of **Prym's Patent Oven** (patented in thirteen countries), which has the unique benefit of being evenly heated on all six sides at the same time, are offered for sale, and can be obtained by applying to

J. CULBERT,

4 Monkwell St. LONDON, E.C., ENG.

TRADE
NOBLES & HOARE · NH · LONDON ·
MARK

Nobles & Hoare.

CORNWALL ROAD STAMFORD STREET.

LONDON, ENG.

Manufacturers of
HIGH-CLASS VARNISHES ONLY

Which can be obtained direct from the works or from the principal Color Dealers in Canada.



Simple enough, isn't it?

No complicated machinery to get out of order. All the gearing is enclosed in this ball-like frame so it is impossible to catch ice and salt The expense of making ice cream is only the cost of the materials if you use a

Peerless Iceland Freezer

(One Motion)

It is the simplest freezer made and the easiest to turn Three minutes is the freezing time. Much pleasanter than standing over a hot stove in hot weather, and frozen desserts are more wholesome and delicious. Write for booklet "Ice Cream Secrets" for those who know and those who don't. Gives many new receipts, as well as good old stand bys, all easy to make.

To Remove all Doubt: If you've never made ice cream at home, or if you have had enough experience with another freezer, get a Peerless Iceland from your dealer, take it home, and if not perfectly pleased, return it, and *dealer will refund your money.* If your dealer hasn't it, he can get it; or write us and we will see that you are supplied. Be sure and get a *Peerless Iceland.* Easily recognized from above photograph; notice label.

DANA & CO., Dept A, Cincinnati, Ohio.

The Peerless Ice Chipper chips the ice properly, saves ice, saves time, saves your temper.

Is this Ad. big enough to be seen?

It is another of a series that will appear in all the leading magazines and ladies' papers this Spring and Summer. All of your women customers take one or more of these publications. Don't you want to have your store identified with the very best advertising?

Order Peerless Iceland Freezers and Peerless Ice Chippers from your jobber early so that he can put you in touch with our advertising department. If yours doesn't handle them, see one who does, or write us and we will see that you are supplied.

New York: 10 Warren St. **DANA & CO., Cincinnati.** San Francisco: 105 Front St.



ANOTHER LETTER RE LINSEED OIL.

Editor HARDWARE AND METAL,—In your issue of January 25 there appeared a letter from a reputed dealer in Canadian linseed oil in reply to my letter in a previous issue regarding the quality of English linseed oil offered in this market. It is quite evident your correspondent knows very little of the linseed oil trade when he speaks of price variations of from £5 to £10 per ton between oil produced from British India seed and that made from seed of other countries. If there were such a difference in price I am afraid very little Calcutta linseed oil would be imported to Canada. While Argentine seed may be sold at a slightly lower price than Calcutta seed, I do not believe that were Argentine seed used exclusively the difference in production would exceed £1 per ton, besides which, in the latter event, the oil would not be allowed into Canada under the preferential tariff, so that the actual cost of Argentine seed oil in Canada would be more than Calcutta seed oil.

Your correspondent produces figures to show that about 18 per cent. of the flaxseed imported into England is from foreign countries. Assuming this to be correct, we must take into consideration the fact that the United States and Russia are foreign countries, and, deducting their proportion, we could no doubt reduce the percentage of Argentine seed to 10 per cent. of the total imports.

If, as your correspondent states, the English crushers are compelled to use from 30 to 40 per cent. of Argentine seed to get the quality of oil they desire, perhaps he can explain how they manage to get hold of the remaining 20 to 30 per cent. of Argentine seed to supply their wants. Then, again, as it is not customary for anyone to desire an inferior article when they can get the best article for the same money, one must naturally conclude from your correspondent's remarks that English crushers are obliged to use a proportion of Argentine seed to improve the oil.

Your correspondent claims that the bulk of English linseed oil imported into Canada comes in May, June and July. As the greatest consumption of oil takes place during these months, I would like to know how he could expect it to come at any other time.

Will your correspondent explain how it is that Canadian crushers buy foreign seed from which to make their oil if it is so inferior to any seed grown in British possessions? I know that American seed enters largely into the manufacture of linseed oil in Canada, and I should not be surprised if even Argentine seed is crushed in Canada. Under these circumstances how does he explain the superiority of Canadian oil? Does the fact of crushing the seed in Canada make it any better or must we attribute it to superior workmanship or improved plant? If so, Canadian crushers must have made phenomenal strides in the few years they have been engaged in the oil industry. They have certainly not been at it very many years.

If seed grown on this continent is so very much superior to foreign seed why do the Americans export their own seed and import Argentine seed?

If so-called Canadian oil is so very superior to English oil why do some of our leading paint manufacturers give the preference to English oil? I know of more than one instance where I have given a buyer the option of taking his contract out in English or Canadian oil, and he has chosen the English oil.

My inquiries regarding English linseed oil have elicited entirely different information to that volunteered by your correspondent, and I am informed that 99 per cent. of English oil coming to Canada is crushed from Calcutta seed, besides which, a sworn declaration to this effect accompanies every shipment that comes to our firm. We have no reason to doubt this statement which comes from the combined largest seed crushing interests in the world.

With all due respect to your correspondent, I trust I may be permitted to suggest that he bases his arguments mainly on hearsay evidence, and I should not be surprised to learn that his writing has been prompted by one or more of the western merchants who have combined the last few years in an effort to maintain high prices, and whose pecuniary interests have possibly suffered through the competition of English linseed oil.

J. WATTERSON.

Montreal, January 28.

A FUEL SAVER.

Editor HARDWARE AND METAL,—As you are always interested in new enterprises, I write to inform you of a movement on foot in this enterprising and go-a-head town to form a company for the manufacture of the West fuel-saving device. At our invitation, Mr. Porter, of Buffalo, came here and has allowed us to investigate the device, the patents of which he is the owner. We have tried it under different conditions on all kinds of stoves for coal, and the verdict in all cases has been with those who have tried it that they can effect a saving of from 33⅓ to 50 per cent. The device is simple in operation, requires no care and is a vigilant guard as to the economy in fuel saving.

The front drafts of the stove or range are completely closed, and it takes in the air from a very small hole at the back of the stove. The air is heated to the same temperature as the fire in the stove, causing the carbonic acid gas to completely reduce to fine ashes the carbon or coal. It is an old principle newly applied, and is a marvel of perfection. There are no clinkers, the gas is all consumed before reaching the stovepipes, and there is no danger of anyone suffering from escaping gas.

THE PAULIN CO.,
Per T. G. WATSON.

Simcoe, Ont., January 28, 1902.

SHERWIN-WILLIAMS WON.

The sporting members of the staff of The Sherwin-Williams Co. and The Canada Paint Co. met on the Crystal Rink, Montreal, on Thursday night (January 23) and played a friendly game of hockey that all the onlookers considered pretty fast. Judging by the noise made by the supporters of either side, it was the most brilliant game ever played.

The Sherwin-Williams people left the rink blowing tin horns and doing other things that ought to be done when the enemy has been beaten by 4 to 1, for such was the score. Two of the Sherwin-Williams Company's Cleveland officials, Mr. Martin, manager of the trade sales department, and Mr. Ford, the advertising manager, who were enjoying their first sight of Canada's national winter sport, felt so proud of their team that they entertained them to an oyster supper afterwards. A return match is likely to be played shortly.

AGENTS WANTED.

WANTED—A MANUFACTURERS' SELLING Agent for paper mill. Must have experience in brown, manila and print wrappings Address, with references, to ALEX. MCARTHUR & CO., 82 McGill St., Montreal. (6)

FOR SALE.

GOOD HARDWARE AND TINWARE BUSINESS and premises in small town, splendid farming locality. No opposition. Excellent opportunity for two live men. Too much work for owner. Apply, Box 76, HARDWARE AND METAL, Toronto. (5)

FILES. WE ARE NOT IN THE TRUST. RASPS.

Quality of our goods guaranteed and our discounts very liberal. A trial order solicited. Write for discounts.

99 Niagara St., TORONTO FILE CO.

CANADIAN GOODS FOR CANADIANS.

John Bowman

HARDWARE & COAL CO.

LONDON, ONT.

SKATES SKATES SKATES

We have a large stock of SKATES to dispose of and will fill all orders promptly at closest prices.

Cutlery Cutlery Cutlery

Special Lines Special Prices

English and German Table and Pocket Cutlery, Cases, Carvers, Razors, Scissors, Pen and Pocket and Table Cutlery in great variety.

Special Prices.

After Stock-Taking

You will be replenishing your stock, so we wish to keep before your notice, "**Dominion**" Goods, all of which bear the following Trade Mark, which is a guarantee of quality:

SHELF GOODS — DOMINION WIRE MANUFACTG. CO. LTD. DOMINION TRADE MARK. — HEAVY GOODS

Wood Screws,
Wire Nails, (Papers),
Bright Wire Goods,
Wire Door Pulls,
Steel and Brass Jack Chain,
"Crescent" Wire Coat and Hat Hooks.

Wire Nails,
Iron and Steel,
Brass and Copper,
Hay Baling,
Pulp Binding,
Galvanized,
Barbed.

WIRE

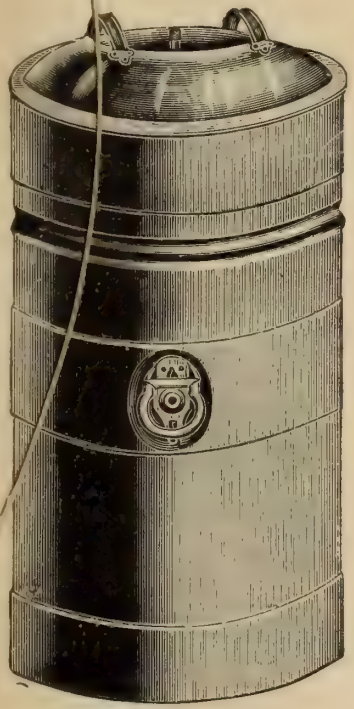
Bed, Blind, and Poultry Netting. **STAPLES** **Bright and Galvanized Fence.**

BROOM, MATTRESS, BOTTLING, and other wires.

Dominion Wire Manufacturing Co.
MONTREAL Limited **TORONTO**

ESTABLISHED 1860. INCORPORATED 1895.

Milk Cans AND Milk Can Trimmings



Patented January, 1901.

IN addition to our regular lines of Milk Cans, we have this year introduced a new feature that is sure to be appreciated by every farmer—by sinking the handles into the body of Can, making them flush with body (as shown in cut) thereby doing away with the complaint of the handle of one Can knocking holes into and bruising the other Cans.

Handles sunk in this way will carry much heavier weight, as well as stiffen body of the Cans. To distinguish this Can from our other lines, it is called the ***"Eureka."*** All our Broad Hoop Milk Cans are made with our Patent Roll Bottoms.

THE THOS. DAVIDSON MFG. CO., Limited, MONTREAL, P.Q.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

Montreal, January 31, 1902.

HARDWARE.

THERE is a good business doing on orders for Spring delivery, as well as increased trade for smaller lots for present requirements. On the whole this week has been the best of the year, so far, and in addition to the sales effected, collections are reported fair. There is no special feature in the market. Prices on all lines seem to be pretty steady.

BARB WIRE.—Business for spring is fairly active. The price is $3 per 100 lb. f.o.b. Montreal.

GALVANIZED WIRE.—In this there is not as much doing. We quote as follows: Nos. 6, 7 and 8 gauge, $3.45; No. 9, $2.80; No. 10, $3.55; No. 11, $3.65; No. 12, $2.95; No. 13, $3.05; No. 14, $4.05; No. 15, $4.55; No. 16, $4.80; No. 17, $5.20; No. 18, $5.45.

SMOOTH STEEL WIRE.—A good demand continues. Bright iron and annealed, Nos. 0 to 9, sell for $2.60 per 100 lb. f.o.b. Montreal, Toronto, Hamilton, London, St. John and Halifax. We quote extras as follows: No. 10, 6c.; No. 11, 12c.; No. 12, 20c.; No. 13, 30c.; No. 14, 40c.; No. 15, 55c.; No. 16, 70c.

FINE WIRE.—A moderate trade is doing. The discount is 22½ per cent.

SPRING WIRE.—This is about the same. There is a small movement. We quote $1.25 extra.

COPPERED AND TINNED WIRE.—Trade is rather dull. Coppered, extra, 60c.; tinned, $2 per 100 lb.

BRASS AND COPPER WIRE.—There is only a moderate demand. The discount on both wires is 60 per cent.

FENCE STAPLES.—There is not much doing. The discount on poultry net staples has been changed from 25 per cent. to 30 per cent. Blind staples are now 40 per cent. Fence staples, we quote, per 100-lb. keg, bright, $2.90; galvanized, $3.25.

WIRE NAILS.—There is a growing demand in wire nails. Trade is, however, quiet. Our quotations are as follows: $2.55 for small lots and $2.50 for carlots f.o.b. Montreal, London, Hamilton, Toronto, Gananoque, Brantford, Windsor, Ont., St. John and Halifax.

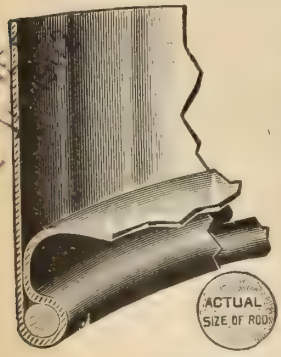
CUT NAILS.—A fair trade continues. We quote: $2.35 per keg for small lots and $2.27½ for carlots. The discount on flour barrel and coopers' nails is 40 per cent.

HORSE NAILS.—There is but little doing. We quote: "C" brand at 50 and 7½ per cent. off and "M" brand at 60 per cent. off on oval and new city heads and 66 2-3 per cent. off for new countersunk heads.

HORSESHOES.—The demand for horseshoes is very light. We quote: Iron shoes, light and medium pattern, No. 2 and larger, $3.50; No. 1 and smaller, $3.75; snow shoes, No. 2 and larger, $3.75; No. 1 and smaller, $4; X L steel shoes, all sizes, 1 to 5, No. 2 and larger, $3.60; No. 1 and smaller, $3.85; feather-weight, all sizes, $4.85; toe weight, steel shoes, all sizes, $5.95 f.o.b. Montreal; f.o.b. Hamilton, London and Guelph, 10c. extra.

SCREWS.—A moderate demand is felt this week. It is a slight improvement over last week's business. Discounts are: Flat head bright, 87½ and 10 per cent. off list; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.

BOLTS.—Several good orders for spring were booked this week. The demand, on the whole, is light. We quote: Norway carriage bolts, 60 and 5 per cent.; common, 55 and 5 per cent.; full square carriage bolts, 60 and 5 per cent.; machine bolts, 55 and 5 per cent.; coach screws, 70 per cent.; sleigh shoe bolts, 70 per cent.; blank bolts, 60 per cent.; bolt ends, 60 per cent.; plough bolts, 55 and 5 per cent.; tire bolts, 67½ per cent.;



"SAMSON" MILK CANS AND BOTTOMS

THE ONLY PERFECT TRIMMING ON THE MARKET.

Has many imitations, but being protected by patents its Sanitary, One-piece, and other leading features **cannot** be copied.

All other styles of bottoms **are** pieced.



The "Samson" is much stronger than pieced bottoms can possibly be made.

Has no place for dirt or sour milk to lodge.

Insist on getting "Samson" Milk Can Trimmings, and do not buy any other "just as good."

Always in Stock } "Samson" Delivery Cans and Pail Bottoms. Tinned Sheet Iron in all gauges and sizes.

The McClary Manufacturing Co.,

LONDON, TORONTO, MONTREAL, WINNIPEG, VANCOUVER, AND ST. JOHN, N.B.

"Everything for the Tinshop."

DRAIN PIPES,
PORTLAND CEMENTS,
FIRE BRICKS AND CLAY
SILICA AND MAGNESIA BRICKS,
with specially prepared mortar.
Contractors' and Founders' Supplies.

F. HYDE & CO.
31 WELLINGTON ST., MONTREAL

. . FULL STOCK . .
Salt Glazed Vitrified
SEWER PIPE
Double Strength Culvert Pipe a Specialty.
THE CANADIAN SEWER PIPE CO.
HAMILTON, ONT. TORONTO, ONT.
ST. JOHNS, QUE.

Deseronto Iron Co.
LIMITED
DESERONTO, ONT.
Manufacturers of
CHARCOAL PIG IRON
BRAND "DESERONTO."
Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

The Robin Hood Powder Company
If you want the best Trap or Game load in the world, buy "Robin Hood Smokeless," in "Robin Hood" Shells. It is quick, safe, and reliable. Try it for pattern and penetration from forty to seventy yards against any powder on the market. We make the powder, we make the shells, and we load them. Write for our booklet, "Powder Facts."
The Robin Hood Powder Company
SWANTON, VT.

stove bolts, 67½ per cent. To any retailer an extra discount of 5 per cent. is allowed. Nuts, square, 3¾c. per lb. off list; hexagon nuts, 4c. per lb. off list. To all retailers an extra discount of ¼c. per lb. is allowed.

BUILDING PAPER.—A fairly good trade is being done and business is improving. We quote as follows: Tarred felt, $1.70 per 100 lb.; 2-ply, ready roofing, 85c. per roll; 3-ply, $1.10 per roll; carpet felt, $2.25 per 100 lb.; dry sheathing, 35c. per roll; tar sheathing, 45c. per roll; dry fibre, 55c. per roll; tarred fibre, 65c. per roll; O.K. and I.X.L., 70c. per roll; heavy straw sheathing, $30 per ton; slaters' felt, 60c. per roll.

CORDAGE.—There is a fairly active market in cordage this week. Prices are steady. Binder twine is commencing to be inquired after, though the demand is only a very light one. It is quoted at 9½c., sisal, and 11c. for manila. We quote as follows: Manila, 16c.; British Manila at 13½c.; sisal, 12c. and lathyarn at 10½c. Manitoba prices are: Manila, 16c.; British manila, 14½c.; sisal, 13c. and lathyarn, 12c.

RIVETS AND BURRS.—There is no improvement. The discounts are: Best iron rivets, section, carriage, and wagon box, black rivets, tinned do., coopers' rivets and tinned swedes rivets, 60 and 10 per cent.; swedes iron burrs are quoted at 55 per cent. off; copper rivets, 35 and 5 per cent. off, and coppered iron rivets and burrs, in 5-lb. carton boxes, are quoted at 60 and 10 per cent. off list.

SCREEN WIRE CLOTH.—A fair business is doing at $1.25 per 100 square feet.

POULTRY NETTING.—This is being inquired after more freely. Canadian or English is quoted at a discount of 60 per cent. off 2 x 2 mesh, 19 wire, and 55 per cent. off 2 x 2 mesh heavier, Canadian list.

HARVEST TOOLS.—There is an active market. The discount is 70 per cent.

FIREBRICKS.—Only a moderate business is doing. We quote: Scotch, $19 to $23.50 and English, $18.50 to $22.50 per 1,000.

CEMENT.—Trade is dull. We quote: German cement, $2.30 to $2.40; English, $2.25 to $2.35; Belgian, $1.70 to $1.95 per bbl. ex-wharf, and American, $2.20 to $2.30 ex-cars.

METALS.

There is a fair trade passing for the time of year, and prices in general are firm. Recent advices from the English markets show that prices on Canada plate and black sheets are very firm, which is likely to affect import orders for spring to a considerable extent. Copper on the United States markets has exhibited a firmer tone, and two advances of ½c. have occurred during the week. This is thought to be due to the heavy buying being done. The foreign markets also show advances in ingot copper and tinplates.

PIG IRON.—A moderate trade is doing this week. A slight improvement is noticed. We quote: Summerlee, $21 to $21.50; Canadian, $18.50 to $19.

BAR IRON.—There is a fair trade doing. Prices are quite firm. We quote as follows: Merchants' bar, in carlots, $1.87½, and in small lots, $1.95. Horseshoe iron is worth $2.15 to $2.20.

BLACK SHEETS.—There is not much business being done in this line. Our

A. C. LESLIE & CO.
Merchants Bank Building,
MONTREAL.
HEADQUARTERS FOR
IRON, STEEL, and METALS.


IRON AND BRASS
Pumps
Force, Lift and Cistern Hand and Power.
For all duties. We can supply your wants with —quality the best and prices right. Catalogues and full information for a request.
THE R. McDOUGALL CO., Limited,
Manufacturers, GALT, CANADA.

ADAM HOPE & CO.
Hamilton, Ont.
We offer for prompt shipment
Pig Tin,
L. & F. and STRAITS.
Ingot Copper, O.C.
Pig Lead.
Spelter.
Antimony.

NOVA SCOTIA STEEL & COAL CO., Limited
NEW GLASGOW, N.S.
Manufacturers of
Ferrona Pig Iron
And SIEMENS MARTIN
OPEN HEARTH STEEL.

Your Spring stock will be up to date if selected from the following lines:

ELASTILITE VARNISH,

Granitine Floor Finish
Maple Leaf Coach Enamels
Maple Leaf Varnish Stain
Imperial Buggy Paint
Imperial Varnish Stain
Imperial Gold and Silver Enamels
Imperial Household and Bath Enamels
Aluminum Paint
Flat Black Lacquer
Bronzing Liquids
Lemon Polishing Oil, Etc.

— ALSO —

Shellacs, Japans and General Varnishes in all grades.

A good reason why you should buy our goods is because we lead all others in neat and attractive packages, advertising signs, etc. And, above all, our goods make and hold customers for you.

Write for 1902 descriptive catalogue and price lists.

The Imperial Varnish & Color Co. LIMITED

TORONTO, ONT., CANADA

WILL YOU TAKE THE CHANCE

of losing good customers by selling them an inferior paint---just because you can offer it for less money; or do you want to build up business and establish a paying trade by selling paint you can recommend?

"Ark Brand" Paint

will do the latter for you---cheap paint the former. Every can of **"Ark Brand"** Paint is guaranteed.

Send your order direct if our travellers have not already seen you.

THE FRANCIS-FROST CO. Limited
TORONTO.

Canadian Distributing Agents for Grippin's Crack Filler.

quotations are as follows: 28 gauge, $2.65; 26 gauge, $2.60; 20 to 24 gauge, $2.50, and 8 to 20 gauge, $2.50.

GALVANIZED IRON.—The demand is still small. We quote as follows: No. 28, Queen's Head, $4.40; Apollo, 10½ oz., $4.40; Comet, $4.25 with 10c. extra in less than case lots.

INGOT COPPER.—The movement is not large. The price is 14½c.

INGOT TIN.—The demand is only fair. Straits are worth 27c.

PIG LEAD.—Business in pig lead is active. Prices are firm, but steady. We quote: $3.15 to $3.20.

LEAD PIPE.—There is not much doing. Quotations are 7½c. for composition waste, and 7c. for ordinary. The discount is 35 per cent.

IRON PIPE.—In black pipe there is a very good demand and prices all around show a firmer tendency. Our quotations are as follows: Black pipe, ¼, $2.75 per 100 feet; ⅜, $2.75; ½, $3.15; ¾, $3.70; 1-inch, $5.25; 1¼, $7.40; 1½, $8.90; 2-inch, $12.25. Galvanized, ⅜, $3.55; ½, $4.15; ¾, $5.05; 1-inch, $7.25; 1¼, $10.10; 1½, $12.15; 2-inch, $16.55.

TINPLATES.—There is a very small movement. We quote: Charcoal, $4.25 to $4.50; cokes, $3.75 to $4.

CANADA PLATE.—There is a fair trade doing this week. We quote as follows: 52's, $2.65 to $2.70; 60's, $2.75 to $2.80; 75's, $2.80 to $2.85; full polished, $3.75, and galvanized, $4.25 to $4.35.

STEEL.—There is a moderate business doing. Nothing new in prices. We quote: Sleigh shoe, $2.05; tire, $2.15; bar, $2; spring, $2.85; machinery, $3.00, and toe-calk, $2.60.

SHEET STEEL.—Trade is fair. We quote: Nos. 10 to 20, $2.50; 3-16, $2.50; ¼, 5-16 and ⅜, $2.40.

TOOL STEEL.—A better inquiry is experienced this week. We quote: Black Diamond, 8c.; Jessop's, 13c.

TERNE PLATES.—The market is still quiet. We quote: $7.75 to $8.

COIL CHAIN.—A good business is being done on all lines. Prices are steady. We quote as follows: No. 6, 12½c.; No. 5, 10½c.; No. 4, 10c.; No. 3, 9½c.; ¼-in., 7¼c. per lb.; 5-16, $4.80; 5-16 exact, $5.25; ⅜, $4.25; 7-16, $4.05; ½, $3.85; 9-16, $3.75; ⅝, $3.55; ¾, $3.50; ⅞, $3.45; 1-in., $3.45. In carload lots an allowance of 10c. is made.

SHEET ZINC.—There is but little doing. We still quote $5.75 to $6.25.

ANTIMONY.—A slight improvement, but still quiet. The price is 10c.

ZINC SPELTER.—There is very little demand. The price is 5c.

SOLDER.—A steady demand keeps up and prices are well maintained. We quote: Bar solder, 18c.; wire solder, 20c.

PAINTS AND OILS.

Turpentine on the primary markets is as strong as ever, but there is nothing new to report. Linseed oil has also assumed a stronger position, both for present and future deliveries. Local prices on both turpentine and linseed oil remain unchanged. Paris green continues to be booked in good quantities at current prices, for delivery during the season. Business in mixed paints, white lead and painters' materials, generally, is very good for this time of the year, and it is noticeable that the deliveries called for are heavier than is usual. We quote as follows:

WHITE LEAD.—Best brands, Government standard, $5.87½; No. 1, $5.50; No. 2 $5.12½; No. 3, $4.75; No. 4, $4.37½ all f.o.b. Montreal. Terms, 3 per cent. cash or four months.

DRY WHITE LEAD—$5.25 in casks; kegs, $5.50.

DRY WHITE ZINC — Pure dry, 6¼c.; No. 1, 5¼c.; in oil, pure, 7¼c.; No. 1, 6¼c.; No. 2, 5¼c.

PUTTY — We quote: Bulk, in bbls., $1.90 per 100 lb.; bulk, in less quantity, $2.05; bladders, in bbls., $2.25; bladders, in 100 or 200 lb. kegs or boxes, $2.40; in tins, $2.55 to $2.65; in less than 100-lb. lots, $3 f.o.b. Montreal, Ottawa, Toronto, Hamilton, London and Guelph. Maritime Provinces, 10c. higher, f.o.b. St. John and Halifax.

ORANGE MINERAL—Casks, 7c.; 100 lb. kegs, 7¼c.; smaller quantities, 8¼c.

RED LEAD — Genuine red lead in casks, $4.50; in 100-lb. kegs, $4.75; less quantities, $5.75 per 100 lb. No. 1 red lead, casks, $4.25; kegs, $4.50, and smaller quantities, $5.50.

LITHARGE—Ground, casks, 5c.; less, 5½c.; flake litharge, casks, $5.25; smalls, $5.75 per 100 lb.

LINSEED OIL—Raw, 75c.; boiled, 78c. in 5 to 9 bbls., 1c. less, 10 to 20 bbl. lots open, net cash, plus 2c. for four months. Delivered anywhere in Ontario between Montreal and Oshawa at 2c. per gal. advance and freight allowed.

TURPENTINE.—Single bbls., 67c.; 2 to 4 bbls., 66c.; 5 bbls. and over, open terms.

SHELLAC VARNISH — Pure white, $2.35 to $2.45; orange, $2.25 to $2.35.

MIXED PAINTS—$1.20 to $1.45 per gal.

CASTOR OIL—8¾ to 9¼c. in wholesale lots, and ½c. additional for small lots.
SEAL OIL—47½ to 49c.
COD OIL—32½ to 35c.
PARIS GREEN — Petroleum barrels, 16¾c. per lb.; arsenic kegs, 17c.; 50 and 100-lb. drums, 17½c.; 25-lb. drums, 18c.; 1-lb. packages, 18½c.; ½-lb. packages, 20½c.; 1-lb. tins, 19½c.; ½-lb. tins, 21½c. f.o.b. Montreal. Terms: 3 per cent. 30 days, or four months from date of delivery.

SCRAP METALS.

There is a fairly good demand this week, and prices on several lines are becoming firm. Iron, both wrought and machinery scrap is very scarce, especially the latter, and dealers are expecting an advance in the near future. We quote: Heavy copper and wire, 10 to 10½c. per lb.; light copper, 9c.; heavy red brass, 9c.; heavy yellow, 9c.; light brass, 4c.; lead, 2⅜ to 2⅝c.; zinc, 2 to 2¼c.; iron, No. 1 wrought, $14; machinery scrap, $14; stove plate, $8 to $9; light iron, No. 2, $5 per ton; malleable and steel, $4; rags, country, 60 to 70c. per 100 lb.; old rubbers, 6 to 6½c. per lb.

GLASS.

There is nothing new to report in glass. Orders for import are coming in well, and prices remain firm. Our quotations are as follows: First break, 50 feet, $2.10; second, $2.20 for 50 feet; first break, 100 feet, $4; second break, $4.20; third break, $4.70, and fourth break, $4.95.

HIDES.

There is very little doing. We quote: No. 1 hides, 7½c.; No. 2, 6½c.; No. 3, 5½c. Sheepskins, 65c.

ONTARIO MARKETS.

Toronto, January 31, 1902.

HARDWARE.

WHILE for in the way of immediate shipment the wholesale hardware trade is at present not active, a good many orders are being booked for future delivery, and the outlook for spring trade is assuring. Milk can trimmings are going forward quite briskly. Sap buckets are now beginning to be shipped, for which about the usual complement of orders have been booked. Business in tinware and enamelled ware shows some signs of improvement as far as the demand is concerned. There have not been many changes in prices. The only one worthy of note is in copper rivets and burrs, in which a sharp decline has taken place.

BARB WIRE—A number of orders have been booked during the week for future shipment, but from stock very little is being done. We quote as follows: F.o.b. Cleveland, $2.77½ for less than carlots, and $2.65 for carlots. From stock Toronto, $3.

GALVANIZED WIRE — The conditions are much the same as in regard to barb wire, the demand from stock being light and for future shipment good. We quote: Nos. 6, 7 and 8, $3.50 to $3.85 per 100 lb., according to quantity; No. 9, $2.85 to $3.15; No. 10, $3.60 to $3.95; No. 11, $3.70 to $4.10; No. 12, $3 to $3.30; No. 13, $3.10 to $3.40; No. 14, $4.10 to $4.50; No. 15, $4.60 to $5.50; No. 16, $4.85 to $5.35. Nos. 6 to 9 base f.o.b. Cleveland are quoted at $2.52½ in less than carlots and 12c. less for carlots of 15 tons.

SMOOTH STEEL WIRE—A few orders for future delivery are being booked in oiled and annealed wire. Nothing is being done in hay-baling wire. Base price, $2.60 per 100 lb. Oiling 10c.; coppering, 60c., and tinning, $2 per 100 lb. extra. Delivery points, Toronto, Hamilton, London and Montreal, with freights equalized on those points.

WIRE NAILS—Some orders are being booked for future account, but very little is being done from stock, which is, of course, to be expected after the heavy buying there was before the recent adjustment of prices. Both here and in the United States prices are firm. The nail manufacturers in the latter country hold a meeting on February 1 for the purpose of perfecting the agreement entered into at a meeting held in Pittsburg some time ago. We quote $2.55 for less than carlots, and $2.50 for carlots. Delivery points, Toronto, Hamilton, London, Gananoque and Montreal.

CUT NAILS—A few small nails are going out, but trade is, on the whole, limited. We quote base price $2.35 per keg, with 7½c. allowance on carlots.

HORSE NAILS — Not much doing. Discounts are as follows: "C" brand, oval head, 50 and 7½ per cent., and on "M" and other brands, 50, 10 and 5 per cent. Countersunk head 60 per cent. All the manufacturers are now understood to be selling off the same list.

HORSESHOES—Business is of an average character for this time of the year. We quote f.o.b. Toronto as follows: Iron shoes, No. 2 and larger, light, medium and heavy, $3.60; snow shoes, $3.85; light steel shoes, $3.70; featherweight (all sizes), $4.95; iron shoes, No. 1 and smaller, light, medium and heavy (all sizes), $3.85; snow shoes, $4; light steel shoes, $3.95; featherweight (all sizes), $4.95.

SCREWS—A fairly good business is being done. Discounts are as follows: Flat head bright, 87½ and 10 per cent.; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.; round head bronze, 65 per cent., and flat head bronze 70 per cent.

RIVETS AND BURRS—The price of copper rivets, with the usual proportion of copper burrs, are quoted at 45 and 10 per cent., a reduction of 20 per cent. Copper rivets alone are 30 and 10 per cent. Trade is good in iron rivets and burrs. Small cold punched rivets are in active request and very strong in price. We quote: Iron rivets, 60 and 10 per cent.; iron burrs, 55 per cent.; copper rivets, with usual proportion of burrs, 45 and 10 per cent.; copper burrs alone, 30 and 10 per cent.



BOLTS AND NUTS — A good demand is still reported. We quote as follows: Carriage bolts, common ($1 list), 55 and 5 per cent.; carriage bolts, full square ($2.40 list), 60 and 5 per cent.; carriage bolts, Norway iron ($3 list), 60 and 5 per cent.; machine bolts, all sizes, 55 and 5 per cent.; coach screws, 70 per cent.

ROPE—Trade is quiet, owing to the high prices ruling. Most of the retailers appear to have placed their orders for future delivery when prices were about 3c. per lb. lower than they are at present. We quote: Pure manila, 16c.; British manila, 13½c.; sisal, 12c.

CUTLERY—Business in cutlery is occupying but little attention.

SPORTING GOODS—Some orders are being booked for spring delivery, but very little is being done outside that.

DAIRY SUPPLIES—The demand for milk can trimmings continues good, and shipments are going forward freely. Discount 25 per cent.

TINWARE—Business shows some improvement and an improvement from this out is looked for. Discount 40 per cent.

SAP BUCKETS—About the usual number of orders have been placed and shipments

are beginning to go forward pretty freely. Discount 40 and 10 per cent.

ENAMELLED WARE—Business is recovering somewhat from its recent quietude.

SCREEN DOORS AND WINDOWS—Trade on future account is brisk. Common doors, 2 or 3 panel, are quoted f.o.b. factory points as follows: Walnut, stained, 3-in. style, $6.80 per dozen; stained, yellow, $7; natural color, oil finish, $8.15; 4-in. style, 20c. extra per dozen. Windows: No. 0, $1.60; No. 1, $1 70; No. 2, $1.95; No. 3, $2.10; No. 4, $2.50 per dozen.

HARVEST TOOLS — A few orders are still being booked for future delivery. Discount 70 per cent.

SPADES AND SHOVELS—Some orders are being booked for spring delivery, but not a great deal is being done. Discount 40 and 5 per cent.

GREEN WIRE CLOTH—A fair business is being done for summer delivery. We quote $1.25 per 100 square feet.

CEMENT—Trade in cement is recovering from the depression usually felt in January, and a number of orders are now confidently ecpected. We quote: Canadian Portland, Rathbun's "Star," $2.25 to $2.65; "Beaver," $2.10 to $2.50; "Ensign," $1.90 to $2.30; German, $3.15; English, $3; Belgian, $2.50 to $2.75; Canadian hydraulic, $1.25 to $1.50 per bbl.

METALS.

In steel and iron the market continues firm, and quite a strong feeling has developed in regard to tinplates and Canada plates. Tin is weak, but copper is excited and firmer.

PIG IRON—The market rules firm. This is particularly true of the market in the United States, where, according to The Iron Trade Review of January 30, consumers are already covering requirements for the third quarter of the year. The idea as to price on track Toronto is still $17.50 to $18 for No. 2 foundry.

BAR IRON—The tone of the market is gathering strength, although no change has taken place in quotations. In the United States last week, however, the price was advanced $2 per ton. Base price $1.95 to $2.05. Extras cut to length while rolling: 2 ft. and over, 10c. per 100 lb.; 1 ft. and under 2 ft., 15c.; under 1 ft., 20c.; over 20 ft. by special agreement, according to length and size.

STEEL—The market is decidedly firm for practically all kinds of steel, and importers report that they cannot get prompt delivery from the manufacturers either in the United States or in Great Britain. We quote as follows: Merchantable cast steel, 9 to 15c. per lb.; drill steel, 8 to 10c. per lb.; "B C" and "Black Diamond" tool steel, 10 to 11c.; Jessop's, Morton's and Firth's tool steel, 14c.; toe calk steel, $2.85 to $3; tire steel, $2.30 to $2.50; sleighshoe steel, $2.10 to $2.25; reeled machinery steel, $3, hoop steel, $3.10.

BLACK SHEETS — The demand is fair for this time of the year. We quote: Common, $3.15 for 28 gauge; and dead flat, $2.50 for 26 gauge.

CANADA PLATES—Business is quiet from stock, but orders are being booked freely for forward shipment. We quote as follows: All dull, $3 00; half polished, $3.10; all bright, $3.75.

GALVANIZED SHEETS — The demand is good both for shipment from stock and on future account. We quote: "Queen's Head" brand at $4.50 in case lots, and $4 65 in less quantities.

TIN—The market is again easier. In London on Wednesday the market closed 12s. 6d. lower on spot and 5s. lower on futures, and New York has declined of sympathy, although an improvement in the latter market is looked for. Locally there is a fair business doing in small lots, for which $28 to $29 per 100 lb. is the ruling price.

TINPLATES—Prices are stiffening in the British markets. This has stimulated the demand here, although no change has been made in quotations. We quote I C, usual sizes, at $4 per box.

TINNED SHEETS — The demand has improved materially, and there is a good business being done. We quote as follows: 72 x 30, up to 24 gauge, 7½c.; ditto, up to 26 gauge, 8c.

TERNE PLATES—Quiet. We still quote: I C, 20 x 28 gauge, at $8 50.

COPPER—A reaction has set in and the outside markets are excited and rapidly advancing. On Wednesday, in London, spot copper closed £1 7s. 6d. higher and futures £1 10s. higher. Locally there has been a heavy demand during the past week and quotations are $1 higher for ingot, now being $15 per 100 lb.

BRASS—Business is quiet and discount on rod and sheet is 15 per cent.

SOLDER—A fair trade is being done. We quote: Half-and-half, guaranteed, 19c.; do. commercial, 18½c.; refined, 18c.; wiping, 17½c.

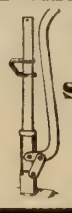
LEAD—There is a light demand for small lots. The outside markets are steady to strong. We quote: $3.50 to $3.75 for pig lead and $5 for bar.

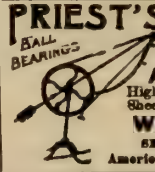
IRON PIPE—Trade keeps fair, with the tone of the market in regard to prices firm. We quote: Black pipe, $5.40 for 1-inch.; galvanized, $7.95 for 1-inch.

ZINC SPELTER—This is moving in small quantities at $5.50 to $6 per 100 lb.

ZINC SHEET—The demand is fairly good.

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.
'WELLINGTON' KNIFE POLISH
JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
Wellington Mills, London, England.
Agent:
JOHN FORMAN, 644 Craig Street
MONTREAL


COVERT MFG. CO.
West Troy, N.Y.
Steel Carriage and Wagon Jacks,
Harness Snaps, Chain, Rope and Web Goods, etc.
FOR SALE BY JOBBERS AT MFRS. PRICES.

PRIEST'S CLIPPERS


Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., USA

Don't Forget the Name. . .
NEWMAN'S INVINCIBLE FLOOR SPRINGS
Strong, Quick, Reliable, Effective.
Will close a door against any pressure of wind. Far ahead of ordinary door springs pneumatic or otherwise. Ask your wholesaler.
W. NEWMAN & SONS, Birmingham.

Oneida Community Goods
HALTERS, COW TIES, SNAPS, etc., etc.,
in all sizes and styles. May be had of all jobbers throughout Canada.
Factory—NIAGARA FALLS, ONT.

MACKENZIE BROS.
HARDWARE
MANUFACTURERS' AGENTS,
Travellers covering Manitoba, Northwest Territories and British Columbia. WINNIPEG MAN.
CORRESPONDENCE SOLICITED.

"PULLMAN"
TROUSER or SKIRT HANGERS.
TWO SIZES

PULLMAN SASH BALANCE CO.,
ROCHESTER, N.Y., U.S.A.

We quote $6 to $6.25 in casks and $6 25 to $6.50 in part casks.

ANTIMONY—The demand has been active during the past week at 10c. per lb.

PAINTS AND OILS.

The paris green market is somewhat weaker this week, some green of United States manufacture being quoted at lower figures than the Canadian product. Lead for future delivery continues active. Raw and boiled linseed oil are also active, and the price is firm. Turpentine is quiet, but the previous advance has been sustained. Dry colors are quiet. Prices rule about the same. We quote :

WHITE LEAD—Ex Toronto, pure white lead, $5.87½; No. 1, $5.50; No. 2. $5.12½; No. 3, $4.75; No. 4, $4.37½ in pkgs. of 25 lb. and upwards; ½c. per lb. extra will be charged for 12½-lb. pkgs. ; genuine dry white lead in casks, $5.12½.

RED LEAD—Genuine, in casks of 560 lb. $5.12½; ditto, in kegs of 100 lb., $5.50; No. 1, in casks of 560 lb., $4 ; ditto, kegs of 100 lb., $4.50.

LITHARGE—Genuine, 6 to 6½c.

ORANGE MINERAL—Genuine, 7½ to 8c.

WHITE ZINC—Genuine, French V.M., in casks, $6 to $6.25; Lehigh, in casks, $6.

BENZINE—In barrel lots, 16½c. per gal.; less quantities, 25c. per gal.

PARIS WHITE—90c. to $1 per 100 lb.

WHITING — 65c. per 100 lb. ; Gilders' whiting, 80c.

GUM SHELLAC — In cases, 35c.; in less than cases, 40c. per lb.

LIQUID SHELLAC—Pure orange, in bbls., $2 25 to $2.35 ; white, $2.35 to $2.45 per gal.; in less quantities, 10c. extra.

PUTTY—Bladders, in bbls., $2.25; bladders, in 100 lb. kegs, $2.40; bulk in bbls., $1.90 ; bulk, less than bbls. and up to 100 lb., $2.05 ; bladders, bulk or tins, less than 100 lb., $2.90.

PLASTER PARIS—New Brunswick, $1.90 per bbl.

PUMICE STONE — Powdered, $2.50 per cwt. in bbls., and 4 to 5c. per lb. in less quantity ; lump, 10c. in small lots, and 8c. in bbls.

LIQUID PAINTS—Pure, $1.20 to $1.30 per gal.

CASTOR OIL — English, in cases, 9½ to 10c. per lb. and 10 to 10½c. for single tins.

LINSEED OIL—Raw, 1 to 4 barrels, 77c.; boiled, 80c.; 5 to 9 barrels, raw, 76c.; boiled, 79c., delivered. To Toronto, Hamilton and London, 2c. less.

TURPENTINE—Single barrels, 68c.; 2 to 4 barrels, 67c., delivered. Toronto, Hamilton and London 1c. less. For less quantities than barrels, 5c. per gallon extra will be added, and for 5-gallon packages, 50c., and 10-gallon packages, 80c. will be charged.

GLASS.

The retail trade is steady, while jobbers are booking a number of stock orders for delivery later on in the year. We quote as follows : Under 26 in., $4.25 ; 26 to 40 in., $4.65; 41 to 50 in., $5.10 ; 51 to 60 in., $5.35 ; 61 to 70 in., $5.75; 71 to 80, $6.25 ; 81 to 85, $7 ; 86 to 90, $7.75 ; Toronto, Hamilton and London. Terms, 4 months, or 3 per cent. 30 days.

OLD MATERIAL.

The copper market is firmer in the United States and it has a corresponding effect in the steadying of the prices for old material. We note no further changes this week. We quote as follows : Agricultural, 60c. per cwt. ; machinery cast, 60c. ; heavy copper, 10c. per lb. ; stove cast, 40c. ; No. 1 wrought, 50c. per 100 lb. ; new light scrap copper, 7c. per lb.; bottoms, 7½c.; coil wire, 10c.; light brass, 5c.; heavy yellow brass, 7½c. ; heavy red brass, 8c. ; scrap lead, 2¼c. ; zinc, 2c. ; scrap rubber, 6c. ; good country mixed rags, 50 to 60c.; clean dry bones, 40 to 45c. per 100 lb.

PETROLEUM.

Prices are steady, with a good movement from stock. We quote: Pratt's Astral, 16½ to 17c. in bulk (barrels, extra) ; American water white, 17 to 17½c. in barrels ; Photogene, 16½ to 17c. ; Sarnia water white, 16 to 16½c. in barrels; Sarnia prime white, 14½ to 15c. in barrels.

COAL.

The stock of bituminous coal on hand is very light, as is also the stock of nut coal. Prices for the latter have locally advanced 25c. per ton, but the prices remain firm and unchanged for importation. We quote at international bridges : Grate, $4.75 per gross ton; egg, stove and nut, $5 per gross ton ; soft coal, $2.50 to $3.25 in bond, according to grade.

MARKET NOTES.

Ingot copper is quoted $1 per 100 lb. higher.

Copper rivets and burrs are 20 per cent. lower.

PERSONAL MENTION.

Mr. W. S. Leslie, of A. C. Leslie & Co., Montreal, was in Toronto on Thursday in the interests of his firm.



The Nicholson File Co.

PROVIDENCE, R.I., U.S.A.

CAST STEEL FILES AND RASPS HIGH GRADE

(FOR HOME AND EXPORT TRADE)

LARGEST FILE MANUFACTURERS IN THE WORLD.

SEVEN DISTINCT FACTORIES.

The well-known Nicholson and X.F. Brands are made exclusively at our Providence works from best selected steel and by experienced workmen, and are exported to all parts of the globe and command the highest price.

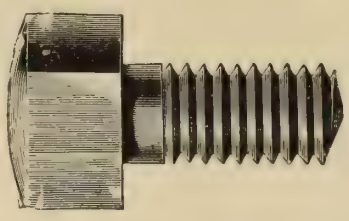
The following prominent wholesale hardware merchants in Canada carry a stock of Nicholson Brand Files for the benefit of the retail trade :

H. H. Fuller & Co., Halifax, N.S.
W. H. Thorne & Co., St. John, N.B.
A. Macpherson & Son, Montreal, P.Q.
H. S. Howland, Sons & Co., Toronto, Ont.
Wood, Vallance & Co., Hamilton, Ont.
Hobbs Hardware Co., London, Ont.
J. H. Ashdown Hardware Co , Winnipeg, Man.
Geo. D. Wood & Co.. Winnipeg, Man.
Thos. Dunn & Co., Vancouver, B.C.
McLennan, McFeely & Co., Vancouver, B.C.
E. G. Prior & Co., Victoria, B.C.
Hickman Tye Hardware Co., Victoria, B.C.

WALTER GROSE

MONTREAL

CANADIAN SELLING AGENT.



THE JOHN MORROW MACHINE SCREW COMPANY, Limited

Manufacturers of

Set and Cap Screws, Special Milled Work, Engine Studs, Etc. Cold Punched Nuts of every variety of finish.

INGERSOLL, ONT.



GLASS—

Art Leaded Glass.
Plate and Window Glass
Prismatic Glass.

All Glass required for building.

Catalogue and Prices on Application.

THE WOOD ART GLASS CO., London, Ont.

BANQUET AT HAMILTON.

Australian Trade Discussed.

ABOUT 100 guests attended the monthly banquet of The Canadian Manufacturers' Association at the Hotel Royal, Hamilton, on January 24, the first banquet this association ever held out of Toronto. At the head of the table was E. A. Brice, the first vice-president of the association; at his right hand being the Hon. Dr. Montague, one of the principal guests of the evening. W. K. George, vice-president for Ontario; J. P. Murray, chairman of the reception committee; W. P. Bull, Fredric Nicholls, Geo. H. Hees, and P. W. Ellis, all of Toronto; H. S. Brennen and Mayor Hendrie, of Hamilton; John Bertram, of Dundas; John Baillie, of Montreal; E. F. Tillson, W. A. Dowler, and W. D. Robinson, Tilsonburg; J. W. Taylor, Johannesburg, South Africa; E. T. Lower, Stamford, Conn.; Harry Sites, Woodstock; J. B. Henderson, Paris, and C. R. H. Warnock, Galt.

After the dinner was disposed of, Mayor Hendrie, in a neat speech, welcomed the visiting manufacturers to Hamilton. He then gave place to the Hon. Dr. Montague, the principal speaker of the evening, who took for his theme "The opportunities for Canadian Trade in Australia." Dr. Montague said he saw no reason why there could not be made in this Dominion the $40,000,000 worth of goods we now annually import from the United States, and give employment to many heads of families who now had to go elsewhere in quest of a living. He claimed that the Dominion should have a proper share of the Empire's trade. He dwelt on the reception accorded him in Australia, and declared, that without a doubt, Canada and the Canadians held a warm place in the hearts of the Australasians. The growth of Australia had been marvellous, its shipping tonnage now being 21,000,000, and the total value of its imports and exports equalling $383,000,000. Canada, he declared, might share in that trade if it was gone about in the right way. He recommended the establishment of a better steamship service between this country and that colony; the establishment of warehouses for Dominion productions in Australia, the sending of eight or ten business men to work up trade, and the publication of a journal describing Canada's varied industries.



No. 893.—The Watson, Foster Co., Limited.

The most successful number of its character in the 1902 line. The stripe—shaded off the ground—gives a depth to the design. Especially on rich colored grounds it is handsome in the extreme.



No. 1182.—The Watson, Foster Co., Limited.

A fleur-de-lis pattern of striking effect, on rich grounds of French maroon, green or blue, with gilt figure. It is a correct and effective decoration for halls, churches, lodge rooms, etc. Dealers should note this design and sample it at once.



THE PAINTERS PERFECT WHITE LEAD

is beautifully soft and fine in the grain. It mixes well with Linseed Oil, forming a creamy smooth paint of great covering power and undoubted durability. Every atom is paint — perfect paint — and there is no loss or residue of any kind. The Painters Perfect White Lead has become very popular everywhere. Book early to ensure early shipment.



THE CANADA PAINT COMPANY LIMITED

Montreal and Toronto.

The
WATSON FOSTER CO.
LIMITED
MONTREAL



SILVER MEDAL
PARIS 1900
CHICAGO 1893

WALL PAPERS

WE ANTICIPATE

A

LARGER REPEATING BUSINESS THAN USUAL THIS SPRING.

AS YET OUR STOCK IS VERY COMPLETE. ORDERS, LARGE OR SMALL, RECEIVE SAME ATTENTION AND ARE PROMPTLY SHIPPED.

BUT MANY OF OUR BEST COLORINGS WILL SOON BE OUT OF PRINT, WE ASK DEALERS, THEREFORE, TO ANTICIPATE THE SHORT END OF THEIR STOCKS AT AN EARLY DATE.

SAMPLE BOOKS—ANY GRADE, AND INGRAINS, SENT ON APPLICATION

PRE-PAID

FEB. 1902

HEATING AND PLUMBING

BANQUET OF THE HAMILTON PLUMBERS.

THE first annual banquet of the Hamilton Master Plumbers' Association was held at the Waldorf, on the evening of January 27, and proved to be a thoroughly enjoyable affair. It was presided over by the president, A. Rogers, and the 40 guests and members present did ample justice to the good things provided for their consumption.

Not the least interesting feature of the euening's proceedings was the presentation of a handsome ring, suitably engraved, to W. D. Smith, by W. J. Walsh, the retiring president, on behalf of his fellow-members as a mark of their appreciation for Mr. Smith's valuable services on behalf of the Association.

The toast of the "Hamilton City Corporation" was responded to in an appropriate way by Alds. Hugh S. Wallace and Wm. H. Findlay.

Besides the pleasing music provided by an efficient orchestra, a number of songs were given by such popular men as Andrew Mann, Chas. E. Marks, Ald. Findlay, Ald. Wallace, H. W. Anthes and W. L. Helliwell.

Amongst the guests present we notice the following from Toronto: W. H. Meredith, Wm. Mansell, F. W. Armstrong, Samuel Topping, Robert S. Sumerville, Charles E. Marks, A. W. Mann, J. H. Patterson, H. W. Anthes and W. L. Helliwell.

NEW CHURCH SCHOOLHOUSE.

On a site immediately south of the main church, a new Sunday-school will be erected by the members of Grace Church, Ottawa. The hall is to have a frontage of 30 feet on Elgin street and will extend back 60 feet, the whole to be built of brick at a cost of $3,000. It will conform with the design of the church in point of architecture. Tenders will be called for without delay so that work can be commenced on the building early in the spring.

BUILDING PERMITS IN TORONTO.

This week fewer building permits than usual were issued in Toronto. The cold weather is probably accountable for this. As it is the building operations are far behind the requirements of the rapidly-growing city of Toronto. The following permits have been granted from the city commissioner's office: Rev. W. E. Hassard, for the erection of a small addition to the schoolroom of the Crawford street Methodist church, to cost about $240; Thos. Oliver, for alterations of brick and plaster to his dwelling on 424 Wilton avenue, to cost $600; S. F. Aberdeen, for the erection of a two-storey and attic brick dwelling on 330 Gladstone avenue, to cost $1,600; J. Jeffrey, for the erection of a two storey dwelling with a brick front and roughcast sides and back on Albany avenue, to cost $1,000; J. MacDonald, for alterations and new fronts and partitions to stores on 1184–1188 Queen street west, to cost $900; Gough Bros., for alterations of wood and iron to their store on 6 and 8 Queen street west, to cost $1,500; Jos. Wilby, for the erection of a pair of two-storey brick and roughcast semi-detached dwellings at 65 and 67 Woodbine avenue, to cost $2,000, and John McKenzie, for a two-storey brick stable at 389 Berkeley street, to cost $200.

SOME BUILDING NOTES.

A new church is being built at Clanbrassil, Ont.

J. B. Jackson's cold-storage warehouse at Simcoe, Ont., is about completed.

Silverton & Wilson are erecting a commodious store and dwelling at Inwood, Ont.

Tenders are being received at Lebanon, Ont., for the erection of a new brick schoolhouse.

Plans are being prepared for the erection of a large hotel at North Sydney, C.B., next summer.

Mayor Matthews has awarded the contract for his new residence at Fort William, Ont.

It is rumoured that the Dominion Coal Co. is going to erect a plant at Quebec, costing $75,000.

A new stove foundry, 50 x 120 feet, is being erected at St. John, N.B., by Ex-Ald. John E. Wilson.

A new cheese factory is to be built in the spring, near Fordwich, Ont., and already most of the brick has been hauled to the spot.

Amherst, N.S., has passed by-laws enabling the town council to borrow $10,000 to erect and equip suitable buildings for the Maritime winter fair.

A new two-storey brick separate school of eight rooms is to be commenced early in the spring at Port Arthur, Ont. The structure will cost about $10,000.

PLUMBING AND HEATING CONTRACTS.

Purdy, Mansell & Co., plumbers and steamfitters, Toronto, have secured the contract for the plumbing and hot-water heating of a house on Glen Road, Toronto, for C. A. Dinnick; also the plumbing and heating of two houses on Madison avenue for the same party, and the automatic fire-protection contract for the Massey Harris Co., Limited, Toronto.

PLUMBING AND HEATING NOTES.

A. Hall & Son, plumbers, Coaticook, Que., have registered.

A PRAISEWORTHY IDEA.

With that thoughtfulness for the comfort of their men, for which The Sherwin-Williams Co. are famous, they have gone to some trouble to provide a lunch-room in the Montreal factory where the men can enjoy their mid-day meal away from the smell of the paint. Heretofore, they have been eating a cold lunch in their workrooms, and everyone who has been in a paint factory knows the discomfort which must attend in that case.

The new room is bright and clean; tables and dishes are provided, and the men are given coffee or tea and milk without charge. A library, containing books, illustrated papers, etc., is connected with it; cards, checkers and other games are also provided, so that the men can pass the noon-hour very pleasantly.

This is not a new thing with the company. In their Cleveland factory large rooms are provided for this purpose and a good lunch given to the employes. It is a laudable idea, and The Sherwin-Williams Co. are deserving of much credit.



You may be looking for a Good

Pipe Hanger.

Ask us about

the "Grabler."

We send you booklet illustrating the different kinds.

The James Morrison Brass Mfg. Co.

TORONTO. Limited.

PAINT SURPRISE

WHEN you get a paint that is made for painting as it should be made, your paint business will surprise you. **RAMSAYS PAINTS** are made for painting, the right kind of painting, and if you take hold your paint business will be a surprise in the right direction. If you are handling cheap paints or paints without a reputation, it will surprise you to see the trade going away. **RAMSAYS PAINTS** have a reputation to keep your trade and gain as well. **RAMSAYS PAINTS** have attractive labels, showing color, number and name on each tin. We assist you with booklets, color cards, show cards, fence signs and everything necessary to push a paint business as it should be pushed to success for you and for us. The price is just right and our travellers want to talk the matter over with YOU.



A. RAMSAY & SON
The Paint Makers,
MONTREAL.
Established 1842.

BUTLER'S

FAMOUS

Sheffield Cutlery.

Fish and Dessert Knives; Spoons and Forks; Cabinets and Cases of Cutlery and Plate.

"BUTLER" was registered as a Trade Mark, A.D. 1768.

Sole Makers of the celebrated "KEEN" Razors, "CAVENDISH" brand of Table Knives and Carvers.

HIGHEST AWARDS. SPECIAL MENTION.

—Full Line of Samples and stock at—

GEORGE BUTLER & CO.'S

LONDON SHOWROOM: 62 HOLBORN VIADUCT, E.C.
(Over Snow Hill Station.)

MANUFACTORY:
Trinity Works, SHEFFIELD, ENG.

Canada Foundry Company

LIMITED

Architectural Iron { BEAMS, COLUMNS, CASTINGS, FIRE ESCAPES

Waterworks Supplies { PIPES, SPECIALS, HYDRANTS, VALVES.

Railway Supplies { BRAKE SHOES, FROGS, SWITCHES.

Ornamental Iron { GRILLS, FENCES, RAILINGS.

General Jobbing

HEAD OFFICE:
TORONTO, ONT.

District Offices:
Montreal, Que., Halifax, N. S., Winnipeg, Man., Vancouver, B. C., Rossland, B. C.

"THE BEST PAINTS"

Beaver Pure and **T.L.&C.Co. Pure** } PREPARED PAINTS

FOR OUTSIDE AND INSIDE USE.

They are made from the purest pigments, ground in Refined Linseed Oil, and are unsurpassed for Beauty, Durability and Covering.

By their uniformity of shade, and trueness to color represented on our color cards, they have become renowned. Made in 48 most artistic shades.

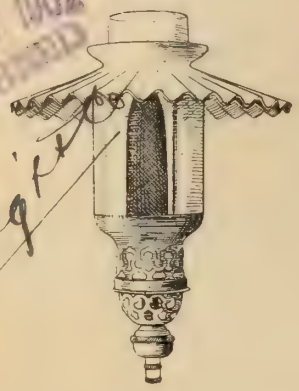
EVERY TIN GUARANTEED.

Catalogue and Price Lists, with Color Cards, supplied upon application.

THE TORONTO LEAD & COLOR CO., LIMITED
Leslie St., TORONTO.

GOOD HARDWARE AND PLUMBING BUSINESS in Eastern part of Toronto. Apply Box 77, HARDWARE AND METAL, Toronto. (5)

APR 16 1902
RETURNED



THE GLORIA LIGHT

Send for Price List of Incandescent Gas Supplies.

Try our Gloria Triple Weave Mantle —the strongest and most brilliant.

The United Incandescent Light Co.,

7 Yonge St. Arcade, - TORONTO.

Phone Main 969.

STEVENS ALL STEEL TOOLS

— ARE —

STANDARD FOR QUALITY.

Your stock is not complete without a full line of our **Rifles, Shotguns, Pistols, Tools and Victor Bicycles.**

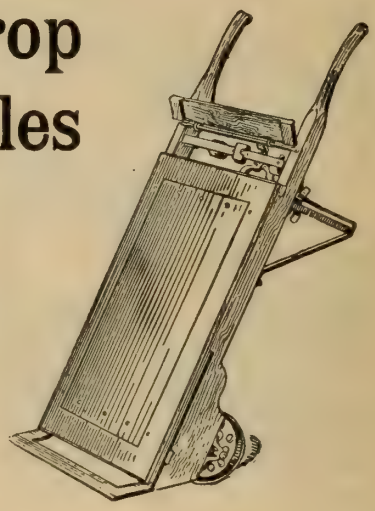
Handled by the Leading Jobbers.

J. Stevens Arms & Tool Co., P.O. Box 217 Chicopee Falls, Mass., U.S.A.

The Parcell Drop Lever Truck Scales

Highly endorsed by Government Inspectors.

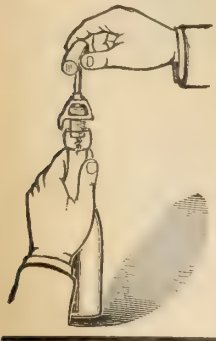
Designed for Farm, Mill, Factory and Warehouse uses. Ask your wholesale Dealer for cuts and prices, or write

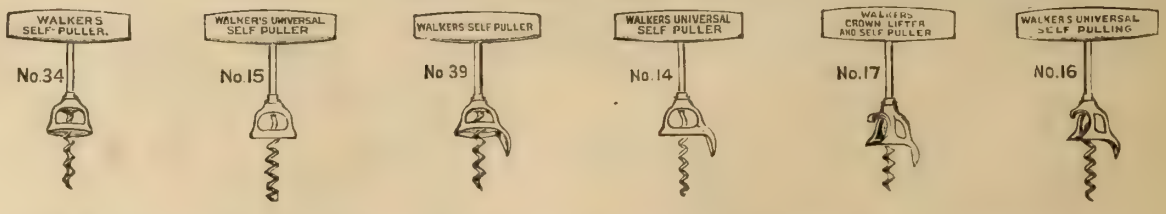


AYLMER IRON WORKS CO., Limited

AYLMER, ONT.

See! You Don't Have to Pull. A Child Can Do It.





Walker's Self-Pulling Cork Screws

Made of Crucible Steel, Nickel Plated, Polished Apple Wood Handles.

EVERY ONE TESTED AND GUARANTEED. Several imitations on the market, but none as good.

Mfrd. only by ERIE SPECIALTY CO., Erie, Pa., U.S.A.

KEYS

SPECIAL OFFER

To introduce our line of Keys we will prepay express to any point in Canada on orders of one gross or more. This offer is open until March 1st, 1902.



No. 111: Price per gross, $1.70; per doz., 20c.

If interested in Bicycle or Automobile Material, or Sporting Goods, drop us a postal request and we will mail you our latest catalogue.

JOHN MILLEN & SONS

Branch: 132 Bay Street, Toronto, Ont.

MONTREAL, CANADA

WE have the nicest set of Hose samples ever shown to the Canadian trade. Don't fail to see them.

HOSE

GARDEN
STEAM
SUCTION
ETC.

Send for samples and quotations.

WE make Hose of all kinds for all purposes. Our equipment is the most modern and our goods are perfection.

MANUFACTURED BY

THE DURHAM RUBBER CO., LIMITED

Bowmanville, Ont.

FEB 5 1901 To mont. office



WRITE US FOR CATALOGUE AND PRICES.

CANADA RADIATORS

Their use means economy in both cost of plant and fuel.

POINTS OF MERIT

which the radiators possess over all others :

FIRST—They are the only cast iron radiators made with perfect circulation. The steam and water must travel through each loop after entering before discharging at the return end of the radiator.

SECOND—They are the only steam radiators in which there is any effective provision made for drawing off the air from the inner loops, and, therefore, no air pocketing and corresponding cold ends.

THIRD—They are the only radiators that are adapted for use in either steam or hot water, and, therefore, where a change is made in the heating system the same radiator will answer.

The Fairbanks Company

747 - 749 Craig Street, MONTREAL.

MANITOBA MARKETS.

WINNIPEG, January 27, 1902.

THE week presents no changes of any kind. Business is steady, and preparations are being made for spring delivery. The new prices given last week are generally in force. Paints, oils and glass are all dull, and there will not be much move now until spring opens. Linseed oil is held at the decline of last week. Reports are to hand that glass is lower in price in Belgium, but no changes are to be noted here. The implement dealers' convention, to be held here on February 12 and 13, promises to be a very interesting one, and a large attendance of dealers from all over the Province is expected.

Price list for the week is as follows:

Barbed wire, 100 lb	$3 30
Plain twist	3 40
Staples	3 95
Oiled annealed wire, No. 10	3 85
" 11	3 90
" 12	3 95
" 13	4 10
" 14	4 25
" 15	4 35
Wire nails, 30 to 60 dy, keg	3 25
" 16 and 20	3 35
" 10	3 35
" 8	3 45
" 6	3 50
" 4	3 65
" 3	3 90
Cut nails, 30 to 60 dy.	3 05
" 20 to 40	3 10
" 10 to 16	3 15
" 8	3 20
" 6	3 25
" 4	3 35
" 3	3 70
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to No 1	4 65
No. 2 and larger	4 40
Snow shoes, No. 0 to No. 1	4 90
No. 2 and larger	4 40
Steel, No. 0 to No. 1	4 95
No. 2 and larger	4 70
Bar iron, $2.70 basis.	
Swedish iron, $5.00 basis.	
Sleigh shoe steel	3 25
Spring steel	3 25
Machinery steel	3 75
Tool steel, Black Diamond, 100 lb	8 50
Jessop	13 00
Sheet iron, black, 10 to 20 gauge, 100 lb.	3 50
20 to 26 gauge	3 75
28 gauge	4 00
Galvanized American, 16 gauge	2 79
18 to 22 gauge	4 75
24 gauge	5 00
26 gauge	5 25
28 gauge	5 50
Genuine Russian, lb	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 75
26 gauge	8 00
28 gauge	8 50
Tinplate, IC charcoal, 20 x 28, box	11 00
" IX "	13 00
" IXX "	15 00
Ingot tin	33
Canada plate, 18 x 21 and 18 x 24	3 75
Sheet zinc, cask lots, 100 lb	7 00
Broken lots	7 50
Pig lead, 100 lb	6 00
Wrought pipe, black up to 2 inch	50 an 10 p.c.
" Over 2 inch	50 p.c.
Rope, sisal, 7-16 and larger	$13 00
" ⅜	13 50
" ¼ and 5-16	13 75
Manila, 7-16 and larger	16 50
" ⅜	17 00
" ¼ and 5-16	17 50
Solder	20
Cotton Rope, all sizes, lb	17
Axes, chopping	$ 7 50 to 12 00
" double bitts	12 00 to 18 00
Screws, flat head, iron, bright	87½
Round " "	82½
Flat " brass	80
Round " "	75
Coach	57½ p.c.
Bolts, carriage	50 p.c.
Machine	50 p.c.
Tire	60 p.c.
Sleigh shoe	65 p.c.
Plough	40 p.c.
Rivets, iron	50 p.c.
Copper, No. 8	35
Bluestone, cask lots	$5 50
Spades and shovels	40 p.c.
Harvest tools	70 p.c.
Axe handles, turned, s. g. hickory, doz.	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 75
No. 1	1 25
Files common	70, and 10 p.c.
Diamond	60
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	30 p.c.
" military	15 p.c.
American R.F.	30 p.c.
C.F. pistol	5 p.c.
C.F. military	10 p.c. advance.
Loaded shells:	
Eley's soft, 12 gauge black	16 50
chilled, 12 gauge	18 00
soft, 10 gauge	21 00
chilled, 10 gauge	23 00
Shot, Ordinary, per 100 lb	6 25
Chilled	6 75
Powder, F.F., keg	4 75
F.F.G.	5 00
Tinware, pressed, retinned	75 and 2½ p.c.
" " plain	70 and 15 p.c.
Graniteware, according to quality	50 p.c.

PETROLEUM.

Water white American	25½ c.
Prime white American	24c.
Water white Canadian	22c.
Prime white Canadian	21½ c.

PAINTS, OILS AND GLASS.

Turpentine, pure, in barrels	$ 62
Less than barrel lots	67
Linseed oil, raw	82
Boiled	85
Lubricating oils, Eldorado castor	27½
Eldorado engine	26½
Atlantic red	29½
Renown engine	41
Black oil	19½
Cylinder oil (according to grade)	55 to 74
Harness oil	65
Neatsfoot oil	$ 1 00
Steam refined oil	85
Sperm oil	2 00
Castor oil, per lb.	11½
Glass, single glass, first break, 16 to 25 united inches	2 50
26 to 40, per 50 ft.	2 75
41 to 50, " 100 ft.	6 00
51 to 60, " " "	6 50
61 to 70, per 100-ft. boxes	7 00
Putty, in bladders, barrel lots, per lb.	2½
kegs "	2¾
White lead, pure, per cwt.	6 50
No. 1 "	6 00
Prepared paints, pure liquid colors, according to shade and color, per gal.	$1.30 to $1.90

NOTES.

Application has been made to the Legislature of Manitoba for the incorporation of the Winnipeg Hedge and Wire Fence Co. with a capital of $75,000.

A new hardware store is being opened in the town of Elgin by W. J. McGuire, and another in Margaret by Mr. Reekie.

Among the visitors to the city during the past week has been Mr. John H. Tilden, Hamilton, president of the Gurney Stove and Range Co., Winnipeg. This is Mr. Tilden's annual trip and he expresses satisfaction at the growth and prosperity of the West. Mr. H. J. Clare, of Clare Bros., is succeeding Mr. Horace Wilson as manager of the company's branch at this point. It is expected that the business of the concern will be much extended during the coming season.

WILL REPRESENT THE McCLARY CO.

Mr. Douglas Macpherson, of Toronto, has accepted a position with the McClary Manufacturing Co., of London, and will represent that firm in Southern Ontario.

For many years Mr. Macpherson has been connected with the Kemp Manufacturing Co., and since his return, 15 months ago, from service in South Africa has been employed as assistant manager of the Macdonald Manufacturing Co. The southern trade will no doubt be pleased to meet this bright young business man.

Common galvanized iron

has all the faults there are;

the worst one is its varying.

Apollo is uniform.

American Sheet Steel Company, New York

Representatives for Canada
B. & S. H. Thompson & Company
26 St. Sulpice Street
Montreal

"MIDLAND"

BRAND

Foundry Pig Iron.

Made from carefully selected Lake Superior Ores, with Connellsville Coke as fuel, "Midland" will rival in quality and grading the very best of the imported brands.

Write for Prices to Sales Agents

Drummond, McCall & Co.
or to MONTREAL, QUE.

Canada Iron Furnace Co.
MIDLAND, ONT. Limited

"The Peerless"

is the best Bolster Spring ever produced. A fine line for the hardware trade. Write Us For Prices.



James Warnock & Co. = Galt, Ont.

CURRENT MARKET QUOTATIONS.

January 31, 1902.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag and Straits—56 and 28 lb. ingots, 100 lb.	28 00 29 00

Tinplates.

Charcoal Plates—Bright	
M.L.S., equal to Bradley	Per box
I.C., usual sizes	$6 75
I.X., "	8 25
I.X.X., "	9 75
Famous—	
I.C.	6 75
I.X	8 25
I.X.X	9 75
Raven & Vulture Grades—	
I.C., usual sizes	5 00
I.X., "	6 00
I.X.X "	7 00
I.XXX., "	8 00
D.C., 12½x17	4 50
D.X	5 25
D.X.X	6 00
Coke Plates—Bright	
Bessemer Steel—	
I.C., usual sizes	4 00
I.C., special sizes, base	4 50
20 x 28	8 50
Charcoal Plates—Terne	
Dean or J. G. Grade—	
I.C., 20x28, 112 sheets	8 50
I.X., Terne Tin	10 50
Charcoal Tin Boiler Plates	
Cookley Grade—	Per lb.
X X., 14x56, 50 sheet bxs / " 14x60, " / " 14x65, "	0 06½
Tinned Sheets	
72x30 up to 24 gauge	0 07½
" 26 "	0 08

Iron and Steel.

Common Bar, per 100 lbs.	1 95 2 05
Refined " "	2 45
Horse Shoe Iron "	2 40
Hoop steel, 1½ to 3 in. base,	3 10
Sleigh Shoe Steel " base	2 10
Tire Steel	2 30 2 50
Reeled Machinery	3 00
Toe Calk Steel	2 85 3 00
T. Firth & Co's tool steel, per lb	0 12½ 0 13
Jessop's tool Steel	0 14
Morton's tool steel	0 12½ 0 13
Black Diamond and "B.C." tool steel	0 10 0 11
Chas. Leonard's tool steel	0 08 0 09
Drill Steel, per lb	0 08 0 10

Boiler Tubes.

1¼-inch	0 12½
"	0 13
2½ "	0 15
3 "	0 16
3½ "	0 20
4 "	0 25

Steel Boiler Plate.

¼ inch	2 50 2 60
5-16 inch	2 60 2 70
⅜ inch and thicker	2 50 2 60

Black Sheets.

	Com.	D.Fi.
18 gauge	2 85	3 00
20 gauge	2 85	3 00
22 to 24 "	2 95	3 25
26 "	3 05	3 50
28 "	3 15	....

Canada Plates.

All dull, 52 sheets	3 00
Half polished	3 10
All bright	3 75

Black pipe—Iron Pipe.

	Per 100 Feet.
⅛ inch	4 65
¼ "	3 40
⅜ "	3 45
½ "	3 70
¾ "	3 85
1 "	5 40
1¼ "	7 70
1½ "	9 20
2 "	12 50
2½ "	24 00
3 "	28 00
3½ "	36 00
4 "	43 00
4½ "	50 00
5 "	57 00
6 "	73 00

Galvanized pipe—

⅛ inch	5 15
¼ "	5 50
1 "	7 95
1¼ "	10 80
1½ "	12 95
2 "	17 35

5 p. c. off to preferred buyers.

Galvanized Sheets.

	G C. Comet.	Amer.	Queen's Head.
16 gauge	....	....	....
18 to 24 gauge	4 05 3 75	....	4 05
26 "	4 25 4 00	....	4 25
28 "	4 50 4 25	....	4 50

Less than case lots 10 to 15c. extra.
28 gauge American equals 26 gauge English.

Chain.

Proof Coil, 3-16 in., per 100 lb	....
" ¼ " "	7 85 8 10
" 5-16 " "	4 95 5 25
" ⅜ " "	4 35 4 60
" 7-16 " "	4 15 4 40
" ½ " "	4 00 4 25
" 9-16 " "	3 90 4 15
" ⅝ " "	3 80 4 05
" ¾ " "	3 85 4 10

Halter kennel and post chains, 40 to 40 and 5 p.c.
Cow ties..... 40 p.c.
Tie-out chains..... 65 p.c.
Stall fixtures..... 35 p.c.
Trace chain..... 45 p.c.
Jack chain, iron, single and double, discount 35 p c.
Jack chain, brass, single and double, discount 40 p.c.

Copper.

	Ingot	Per 100 lb.
English B. S., ton lots	....	15 00
Lake Superior	....	....

Bars.

Cut lengths round, ½ to ⅞ in.	23 00 25 00
" round and square 1 to 2 inches	23 00 25 00

Sheet.

Plain, 14 oz., and light, 16 oz., 14x48 and 14x60	22 00 22 50
Plain, 14 oz., and light, 16 oz., irregular sizes	22 50 23 00
Tinned copper sheets	24 00
Planished	32 00

Braziers (In sheets.)

4x6ft. 25 to 30 lbs. ea., per lb.	0 23
" 35 to 45 " "	0 22
" 50-lb. and above, "	0 21

Boiler and T. K. Plts

Plain Tinned, per lb	0 28
Spun, per lb	0 32

Copper Ware.

Discount, 50 per cent.

Brass.

Rod and Sheet, 14 to 30 gauge, 15 per cent.	
Sheets, hard-rolled, 2x4	0 23
Tubing, base, per lb	23½

Zinc Spelter

Foreign, per lb	5 50 6 00
Domestic "	....

Zinc Sheet.

5-cwt. casks	6 00 6 25
Part casks	6 25 6 50

Lead.

Imported Pig, per 100 lb	3 50 3 7.
Bar, 1 lb	0 05
Sheets, 2½ lbs. sq. ft., by	0 06¼
Sheets, 3 to 6 lbs., "	0 06

NOTE.—Cut sheets ½ cent per lb. extra.
Pipe, by the roll, usual weights per yard, lists at 7c. per lb. and 35 p.c. dis. f.o.b. Toronto.
NOTE.—Cut lengths, net price, waste pipe 3-ft. lengths lists at 7½ cents.

Shot.

Common, $6.50 per 100 lb.; chilled, $7.00 per 100 lb.; buck, seal and ball, $7.50. Discount, 22½ p.c. Prices are f.o.b. Toronto, Hamilton, Montreal, St. John and Halifax. Terms 3 per cent. cash, freights equalized.

Soil Pipe and Fittings.

Discount, 60 and 10 per cent. on medium and extra heavy, and 60 per cent. on light.

Solder.

	Per lb.	Per lb.
Bar half-and-half, guarant'd	....	0 19
Bar half-and-half, commer'l	....	0 18½
Refined	....	0 18
Wiping	....	0 17½

Antimony.

Cookson's, per lb	0 10

White Lead.

	Per 100 lb.
Pure	5 87½
No. 1	5 50
No. 2	5 12½
No. 3	4 75
No. 4	4 37½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B B. Genuine	8 25
" " No. 1	7 50

Above prices are for 25 lb and upwards.

Red Lead.

Genuine, 560 lb. casks, per cwt.	$4 75
Genuine, 100 lb. kegs, per cwt.	5 00
No. 1, 560 lb. casks, per cwt.	4 25
No. 1, 100 lb. kegs, per cwt.	4 50

White Zinc.

Extra Red Seal	0 06 0 08
No. 1	0 05½ 0 07
No. 2	0 05 0 06

Dry White Lead.

Pure, casks	5 25
Pure, kegs	5 50
No. 1, casks	5 00
No. 1, kegs	5 25

Prepared Paints.

In ¼, ⅓ and 1 gallon tins.

Pure, per gallon	1 25
Second qualities, per gallon	1 10
Barn (in bbls.)	0 60 0 90
The Sherwin-Williams Paints.	1 40
Canada Paint Co's Pure	1 25
Toronto Lead & Color Co's Pure	1 25
Sanderson Pearcy's Pure	1 20
Stewart & Wood's Champion Pure.	1 20

Colors in Oil.

25 lb. tins, Standard Quality.

Venetian Red, per lb	0 04½ 0 06
Chrome Yellow	0 12 0 14
Golden Ochre	0 08 0 10
French "	0 06
Marine Black	0 09
Chrome Green	0 10
French Imperial Green	0 12
Sign Writers' Black	0 16
Burnt Umber	0 11
" Sienna	0 11
Raw Umber	0 11
" Sienna	0 11

Colors, Dry.

Common Ochre bbls	1 20 1 30
Yellow Ochre J.F.L.S., bbls	2 00
Yellow Ochre (La Belle)	1 15 1 25
Brussels Ochre	2 00
Venetian Red (best), bbl	1 75 2 00
English Oxides, per cwt.	3 00 3 25
American Oxides, bbls.	1 25 2 00
Canadian Oxides, bbls.	1 25 1 75
Super Magnetic Oxides, 93p.c.	2 00 2 25
Burnt Sienna, pure, per lb.	0 10
" Umber, " "	0 10
do Raw	0 09
Drop Black, pure	0 09
Chrome Yellows, pure	0 18
Chrome Greens, pure, per lb.	0 09 0 10
Golden Ochre	0 04 0 05
Ultramarine Blue in 28-lb. boxes, per lb	0 06 0 18
Fire Proof Mineral, per 100 lb	1 00
Genuine Eng. Litharge, per lb	0 07
Mortar Color, per 100 lb	1 25 1 50
Pure Indian Red, No. 45 lb.	0 08 0 10
Whiting, bbl	0 55 0 60
English Vermillion in 30-lb. bags	0 95

Paris Green.

	per lb.
Petroleum Casks	16¾
Arsenic Kegs	17
50-lb. and 100-lb. drums	17½
25-lb. drums	18
1-lb packages	18½
½-lb. do	20½
1-lb. tins	19½
½-lb do	21½

F.O B. Montreal. Terms—3 p. c. off 30 days, or 4 mos. from date of de ivery.

Blue Stone.

Casks, for spraying, per lb	0 07
100-lb. lots, do. per lb	0 08

Putty.

Bulk in bbls.	1 90
Bulk in less quantity	2 05
Bladders in bbls.	2 25
Bladders in kegs, boxes or loose	2 40
Bladders in 25-lb. tins	2 35
Bladders in 12½-lb. tins	2 65
Bladders in tu k or tins less than 100 lb	2 90

Varnishes.

In 5-gal. lots.	Per gal.	net.
Carriage, No. 1	1 50	1 60
Pale Durable body	4 10	4 25
" rubbing	2 85	3 00
Gold Size, Japan	2 85	3 00
No. 1 Brown Japan	....	0 85
Elastic Oak	....	1 50
Furniture, extra	....	1 25
" No. 1	....	0 85
Hard Oil Finish	1 65	1 75
Light Oil Finish	1 40	1 60
Demar	1 70	1 80
Shellac, white	2 3	2 45
" orange	2 25	2 35
Turpentine Brown Japan	....	1 25
" Black Japan	0 85	0 90
" No. 1.	0 70	0 75

Elastilite Varnish 1 gal. can, each, $3.00.
Granitine Floor Finish per gal., $2.75.
Maple Leaf Coach Enamels; Size 1, $1 20 Size 2, 70c.; Size 3, 40c. each.

Castor Oil.

East India, in cases, per lb.	0 09½	0 10
" " small lots	0 10	0 10½

Cod Oil, Etc.

Cod Oil per gal	0 50 0 55
Pure Olive	.... 1 20
" Neatsfoot	 90

Glue.

Common	0 08½ 0 09
French Medal	0 14 0 14½
Cabinet sheet	0 12
White, extra	0 18
Gelatine	0 22 0 30
Strip	0 18
Coopers	0 19
Huttner	....

JAMES HUTTON & CO.

Sole Agents in Canada for

Joseph Rodgers & Sons, Limited,
Steel, Peech & Tozer, Limited,
W. & S. Butcher,

Thomas Goldsworthy & Sons,
Burroughes & Watts, Limited,
Etc., Etc.,

Have reopened their offices in Victoria Chambers,

232 McGill Street, MONTREAL.

HARDWARE.

Ammunition.

Cartridges.

B. B Caps Dom. 50 and 5 per cent
Rim Fire Pistol, dis. 40 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Central Fire Pistol and Rifle, 10 p.c. Amer.
Central Fire Cartridges, pistol sizes Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 per cent.
Central Fire, Military and Sporting, Amer. add 5 p.c. to list. B.B. Caps, disobunt 40 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 10 p c. advance on list.
Brass Shot Shells, 55 per cent.
Primers, Dom., 30 per cent.; American, $1.60.

Wads	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb. bags	70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	
Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 20 per cent.

Anvils.

Wright's, 80-lb. and over	0 10¾
Hay Budden, 80-lb. and over	0 09¼
Brook's, " " "	0 11¼

Augers.

Gilmour's, discount 65 and 5 p.c. off list.

Axes.

Chopping Axes		
Single bit, per doz	5 50	10 00
Double bit, "	11 00	18 00
Bench Axes, 40 p.c.		
Broad Axes, 25 per cent.		
Hunters' Axes	5 50	6 00
Boy's Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Axle Grease.

Ordinary, per gross	5 75	6 00
Best quality	13 00	15 00

Bath Tubs.

Zinc	6 00
Copper, discount 15 p.c. off revised list	

Baths.

Standard Enameled.

5½-inch rolled rim, 1st quality	25 00
" " " 2nd "	21 00

Anti-Friction Metal.

"Tandem" A per lb.	0 27
" B "	0 21
" C "	0 11½
Magnolia Anti-Friction Metal, per lb.	0 25
Frictionless metal, per lb	0 23

SYRACUSE SMELTING WORKS.

Aluminum, genuine	0 41
Dynamo	0 27
Special	0 22
Aluminum, 99 p.c. pure "Syracuse"	0 45
Phosphorine anti-friction metal	0 25

Bells.

Hand.

Brass, 60 per cent.
Nickel, 55 per cent.

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Door.

Gongs, Sargant's	5 50	8 00
" Peterboro', discount 45 per cent.		

Farm.

American, each	1 25	3 00

House.

American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00
Blacksmiths', discount 40 per cent.		

Belting.

Extra, 60 per cent.
Standard, 60 and 10 per cent.
No. 1, not wider than 6 in., 60 10 and 10 p.c.
Agricultural, not wider than 4 in., 75 p c.

Bits.

Auger.

Gilmour's, discount 60 and 5 per cent.
Rockford, 50 and 10 per cent.
Jennings' Gen., net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind and Bed Staples.

All sizes, per lb	0 07¾	0 12

Bolts and Nuts.

	Per cent.
Carriage Bolts, common ($1 list)	55 and 5
" " full square ($2.40 list)	60 and 5
" " Norway iron ($3 list)	60 and 5
Machine Bolts, all sizes	55 and 5
Plough Bolts	55 and 5
Blank Bolts	60
Bolt Ends	60
Sleigh Shoe Bolts	70
Coach Screws, cone point	70
Nuts, square, all sizes 3¾c per lb. off.	
Nuts, hexagon, all sizes, 4c. per lb. off.	
Stove rods, per lb. 5½ to 6c.	
Nuts, in 50 lb. lots ¼c. per lb extra, in less than 50 lb. lots, ½c. extra.	

Boot Calks.

Small and medium, ball, per M	4 25	
Small heel, per M	4 50	

Bright Wire Goods.

Discount 62½ per cent.

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent

Henis, No. 8, "		6 00
Henis, No. 9, "		7 00
Queen City "	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Building Paper, Etc.

Tarred felt, per 100 lb	1 70
Ready roofing, 2-ply, not under 45 lb. per roll	85
Ready roofing, 3-ply, not under 65 lb. per roll	1 10
Carpet felt, per ton	45 00
Dry sheathing, per roll, 400 sq. ft.	35
Tar sheathing, " " "	45
Dry fibre " " "	55
Tarred fibre, " " "	65
O.K. & I.X.L., " " "	70
Resin-sized, " " "	40
Oiled sheathing, " 600 "	1 10
" " " 400 "	70
Roof coating, in barrels, per gal.	17
" " small packages	25
Refined tar, per barrel	4 50
Coal tar, "	4 00
Coal tar, less than barrels, per gal.	15
Roofing pitch, per 100 lb	85

Bull Rings.

Copper, $2.00 for 2½ in. and $1.90 for 2 in.

Butts.

Wrought Brass net revised ist.

Cast Iron.

Loose Pin, dis., 60 per cent.

Wrought Steel.

Fast Joint, dis. 65, 10 and 2½ per cent.
Loose Pin, dis. 65, 10 and 2½ per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.
Gen. Bronzed, per pair | 0 40 | 0 65

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	8 50	9 50

Cement.

Canadian Portland	2 25	2 75
English "	3 00	3 15
Belgian "	2 50	2 75
Canadian hydraulic	1 25	1 50

Chalk.

Carpenters Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 70 per cent.
Warnock's, dis. 70 per cent.
P. S. & W. Extra 60, 10 and 5 p.c.

Churns.

Revolving Churns, metal frames—No. 0, $8—No. 1, $8.50—No. 2, $9.00—No. 3, $10.00—No. 4, $12.00—No. 5, $16.00 each. Ditto, wood frames—20c. each less than above. Discounts: Delivered from factories, 56 p.c.; from stock in Montreal, 54 p.c. Terms, 4 months or 3 p.c. cash in 30 days

Clips.

Axle dis. 65 per cent.

Closets

	Net.
Plain York or Ontario Syphon Jet.	$9 60
Emb. York or Ontario Syphon Jet.	10 20
Fittings	1 00
Plain Elgin or Teu. Syphon Washout	6 00
Emb. Elgin or Teu. Syphon Washout	6 60
Fittings	1 25
Low Down Elgin or Teutonic, plain	9 60
" " " " emb.	10 20
Plain Richelieu	4 00
Emb. Richelieu	4 25
Connections	1 25
Low Down Ont. Sy. Jet, plain	11 70
" " " " " emb'd.	12 30
Closet connection	1 25
Basins P.O., 14 in.	0 70
" oval, 17 x 14 in.	1 50
" " 19 x 15 in.	2 25

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Cradles, Grain.

Canadian, dis. 25 to 33⅓ per cent.

Crosscut Saw Handles.

S. & D., No. 3, per pair	17½
" " 5, "	22½
" 6, "	15
Boynto pattern "	20

Door Springs.

Torrey's Rod, per doz	(15 p.c.)	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Coach and Wagon, dis. 50 and 10 per cent
Carpenters, dis. 70 per cent.

Drills.

Hand and Breast.

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis., 37½ to 40 per cent.
Standard dis. 50 and 5 to 55 per cent.

Faucets.

Common, cork-lined, dis. 35 per cent.

ELBOWS. (Stovepipe.)

	per doz.
5 and 6-inch, common	1 20
7-inch	1 35

Polished, 15c. per doz. extra.

ESCUTCHEONS.

Discount, 45 per cent.

ESCUTCHEON PINS.

Iron, discount 40 per cent.

FACTORY MILK CANS.

Discount off revised list, 40 per cent.

FILES AND RASPS.

Great Western	70 and 10 per cen
Arcade	70 " 10 "
Kearney & Foot	70 " 10 "
Disston's	70 " 10 "
American	70 " 10 "
J. Barton Smith	70 " 10 "
McClellan	70 " 10 "
Eagle	70 " 10 "
Nicholson, 60 and 10 to 60, 10 and 5	"
Royal	80 "
Globe	70 to 75 "
Black Diamond, 60 and 10 to 60, 10 and 5 p.c	
Jowitt's, English list, 25 to 27½ per cent.	
Nicholson File Co.'s "Simplicity" file handle per gross, 85c. to $1.50.	

GLASS—Window—Box Price.

Size United Inches.	Star 50 ft.	Star 100 ft	D. Diamond 50 ft.	D. Diamond 100 ft
Under 26	2 20	4 25	....	6 25
26 to 40	2 40	4 65	....	6 75
41 to 50	....	5 10	....	7 50
51 to 60	....	5 35	....	8 50
61 to 70	....	5 75	....	70
71 to 80	....	6 25	....	11 00
81 to 85	....	7 00	....	12 55
86 to 90	....	7 75	..	15 00
91 to 95	..	....	..	17 50
96 to 100	....	....	..	20 50
101 to 105	....	....	....	24 00
106 to 110	....	....	....	27 50

GAUGES

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's, Nos. 26 to 33, each	1 65	2 40

HALTERS.

Rope, ⅜ per gross	....	....
" ½ "	....	9 00
" ⅝ to ¾	....	14 00
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

Maydole's, dis. 5 to 10 per cent. 25 to 27½ per cent. Can. dis.

Tack.

Magnetic, per doz	1 10	1 20

Sledge.

Canadian, per lb	0 07½	0 08⅓

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz. net	1 50	2 00
Store door, per doz	1 00	1 50

Fork.

C. & B., dis. 40 per cent. rev. list.

Hoe.

C. & B., dis. 40 per cent. rev. ist.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 [illegible]

Hammer and Hatchet.

Canadian, 40 per cent.

Cross-Cut Saws.

Canadian, per pair	0 13¾

HANGERS.

	doz. pairs.	
Steel barn door	5 85	6 00
Stearns, 4 inch	....	5 00
" 5 inch	....	6 50

Lane's covered—

No. 11, 5-ft. run	....	8 40
No. 11½, 10-ft. run	....	10 80
No. 12, 10-ft. run	....	12 60
No. 14, 15-ft. run	....	21 00
Lane's O.N.T. track, per foot	....	4½

HARVEST TOOLS.

Discount, 70 per cent.

HATCHETS.

Canadian, dis. 40 to 42½ per cen

USE PHOSPHORINE ANTI-FRICTION METAL

It is the new discovery. Ask for particulars.

It is the only Anti-Friction Metal known to be chemically pure.



For Paper and Pulp Mills, Saw and Wood Working Machinery, Cotton and Silk Mills, Dynamos, Marine Engines, and all kinds of Machinery Bearings.

Wire, Triangular and Bar Solder, Pig Tin, Lead, Ingot Copper, Ingot Brass, Antimony, Aluminum, Bismuth, Zinc Spelter, Phosphor Tin, Phosphor Bronze, Nickle, etc., always in stock.

CANADIAN WORKS, MONTREAL, P.Q.
AMERICAN " SYRACUSE, N.Y.

Syracuse Smelting Works

HINGES.

Blind, Parker's, dis. 50 and 10 to 60 per cent.	
Heavy T and strap, 4-in., per lb	0 06½
" " 5-in., "	0 06¼
" " 6-in., "	0 06
" " 8-in., "	0 05¾
" " 10-in., "	0 05½
Light T and strap, dis. 65 and 5 per cent.	
Screw hook and hinge—	
6 to 10 in., per 100 lbs	4 25
12 in. up, per 100 lbs	3 25
	Per gro. pairs.
Spring	12 00

HOES.

Garden, Mortar, etc., dis. 50 and 10 p.c.		
Planter, per doz	4 00	4 50

HOLLOW WARE

Discount, 45 and 5 per cent.

HOOKS.

Cast Iron.

Bird Cage, per doz	0 50	1 10
Clothes Line, per doz	0 27	0 63
Harness, per doz	0 72	0 88
Hat and Coat, per gross	1 00	3 00
Chandelier, per doz	0 50	1 00

Wrought Iron.

Wrought Hooks and Staples, Can. dis. 47½ per cent.

Wire.

Hat and Coat, discount 45 per cent.

Belt, per 1,000	0 60	
Screw, bright, dis. 55 per cent.		

HORSE NAILS.

"C" brand 50 and 7½ p.c. off new list } Oval-
"M" brand 50, 10 and 5 per cent. } head
Countersunk, 60 per cent.

HORSESHOES.

F.O.B. Montreal.

Iron Shoes.	No. 2 and larger.	No. 1. and smaller.
Light, medium and heavy	3 50	3 75
Snow shoes	3 75	4 00
Steel Shoes.		
Light	3 60	3 85
Featherweight (all sizes)	4 85	4 85

F.O.B. Toronto, Hamilton, London and Guelph, 10c. per keg additional.

Toe weight steel shoes	6 70

JAPANNED WARE.

Discount, 45 and 5 p.c. off list, June 1899.

ICE PICKS.

Star per doz	3 00	3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.

Copper, per lb	0 30	0 50
American, 60 and 10 to 65 and 5 p.c.		

KEYS.

Lock, Can., dis., 45 p.c.
Cabinet, trunk, and padlock, Am. per gross 60

KNOBS.

Door, japanned and N.P., per doz	1 50	2 50
Bronze, Berlin, per doz	2 75	3 25
Bronze Genuine, per doz	6 00	9 00
Shutter, porcelain, F. & L screw, per gross	1 30	4 00
White door knobs—per doz.		1 25

HAY KNIVES.

Discount, 50 and 10 per cent.

LAMP WICKS.

Discount, 60 per cent.

LANTERNS.

Cold Blast, per doz	7 00
No. 3 "Wright's"	8 50
Ordinary, with O burner	4 00
Dashboard, cold blast	9 00
No. 0	5 75
Japanning, 50c. per doz. extra	

LEMON SQUEEZERS.

Porcelain lined, per doz.	2 20	5 60
Galvanized	1 87	3 85
King, wood	2 75	2 90
King, glass	4 00	4 50
All glass	1 20	1 30

LINES.

Fish per gross	1 05	2 50
Chalk "	1 90	7 40

LOCKS.

Canadian, dis. 45 p.c.		
Russel & Erwin, per doz	3 00	3 25
Cabinet.		
Eagle, dis. 30 p.c.		

Padlock.

English and Am. per doz	50	6 00
Scandinavian, "	1 00	2 40
Eagle, dis. 20 to 25 p.c.		

MACHINE SCREWS. Iron and Brass.

Flat head discount 25 p.c.
Round Head discount 20 p.c.

MALLETS.

Tinsmiths' per doz	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz.	3 85	5 00
Caulking each	60	2 00

MATTOCKS.

Canadian, per doz	5 50	6 50

MEAT CUTTERS.

American, dis. 25 to 30 p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are :	Cut.	Wire.
2 d and 3d	$3 35	$3 55
3 d	3 00	3 22
4 and 5d	2 75	3 05
6 and 7d	2 65	2 10
8 and 9d	2 50	2 70
10 and 12d	2 45	2 65
16 and 20d	2 40	2 60
30, 40, 50 and 60d. (base)	2 35	2 55

Wire nails in carlots are $2.50
Galvanizing 2c. per lb. net extra.
Steel Cut Nails 10c. extra.
Miscellaneous wire nails, dis. 75 p.c.
Coopers' nails, dis. 30 per cent.
Flour barrel nails, dis. 25 per cent

NAIL PULLERS.

German and American	1 85	3 50

NAIL SETS.

Square round, and octagon per gross	3 38	4 00
Diamond	12 00	15 00

POULTRY NETTING.

2-in. Mesh, 19 w.g., dis. 60 p.c.
2- n. Mesh, 18 w.g. and heav er, 50 and 10 p.c.

OAKUM.

	Per 100 lb.
Navy	6 00
U.S. Navy	7 25

OIL.

Water White (U.S.)	0 16½
Prime White (U.S.)	0 15½
Water White (Can.)	0 15
Prime White (Can.)	0 14

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal., per doz	10 00
Zinc and tin, dis. 50, 50 and 10.	
Copper, per doz	3 50
Brass, "	3 50
Malleable, dis. 25 per cent.	

GALVANIZED PAILS.

Dufferin pattern pails, dis. 45 p.c.
Flaring pattern, discount 45 per cent.
Galvanized washtubs discount 45 per cent.

PIECED WARE.

Discount 40 per cent. off list, June, 1899.
10-qt. flaring sap buckets, dis. 40 p.c.
6, 10 and 14-qt. flaring pails, dis. 40 p.c.
Creamer cans, dis. 40 p.c.

PICKS.

Per doz	6 00	9 00

PICTURE NAILS.

Porcelain head, per gross	1 75	3 00
Brass head "	0 40	1 00

PICTURE WIRE.

Tin and gilt, discount 75 p.c.

PLANES.

Wood, bench, Canadian dis. 40 per cent. American dis. 50.
Wood, fancy Canadian or American 7½ to 40 per cent.

PLANE IRONS.

English, per doz	2 00	5 00

PLIERS AND NIPPERS.

Button's Genuine per doz pairs, dis. 37½ 40 p.c.
Button's Imitation, per doz. 5 00 9 00
German, per doz 0 60 2 60

PLUMBERS' BRASS GOODS.

Standard Compression work, dis. 60 p.c.
"J.M.T." Cushion work, dis. 50 p.c.
Fuller work, dis. 65 p.c.
6 doz. lots and over of the above, extra dis. 10 p.c.
Rough Stops and Stops and Waghers, dis. 60 p.c. With, in lots of 2 doz. and over, an extra dis. of 10 p.c.
"J.M.T." Globe, Angle and Check Valves, dis 55 p.c.
Standard Globe, Angle and Check Valves, dis. 60 p.c.
"J.M.T." Radiator Valves, dis. 55 p.c.
Standard " " dis., 60 p.c.
Patent Quick Opening Valves, dis. 65 p.c. and 10 p.c

No. 1 compression bath cock, net	2 00
No. 4 " " "	2 00
No. 7, Fuller's	2 20
No 4½, "	2 35
Patent Compression Cushion, basin cock, hot and cold, per doz.	15 00
Patent Compression Cushion, bath cock, No. 2208	2 25

POWDER.

Velox Smokeless Shotgun Powder.

100 lb. or less	0 85
1,000 lb. or more	0 80

Net 30 days.

PRESSED SPIKES.

Discount 25 per cent.

PULLEYS.

Hothouse, per doz	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning	0 35	2 50

PUMPS.

Canadian cistern	1 80	3 60
Canadian pitcher spout	1 40	2 10

PUNCHES.

Saddlers', per doz	1 00	1 85
Conductors' "	9 00	15 00
Tinners', solid, per set	0 00	0 72
" hollow per inch	0 00	1 00

RANGE BOILERS.

	Net.
Dominion, 35 "	6 75
" 40 "	7 75
Ronald's Galvanized, 30 gallons	6 50
" " 35 "	7 50
" " 40 "	8 50
Copper, 30 gallons	25 00
" 35 "	29 00
" 40 "	33 00

RAKES.

Wood, 10 per cent.

RAZORS.

	per doz.
Elliot's	4 00 18 00
Geo. Butler & Co.'s	4 00 18 00
Boker's	7 50 11 00
" King Cutter	12 50 50 00
Wade & Butcher's	3 60 10 00
Theile & Quack's	7 00 12 00

REGISTERS.

Discount 40 per n

RIVETS AND BURRS.

Iron Rivets, black and tinned, discount 60 and 10 per cent.
Iron Burrs, discount 55 per cent.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c per lb.
Copper Rivets with usual proportion burrs, 45 and 10 dis., cartons, 1c. per lb. extra, net.
Copper Burrs only, 30 and 0 p.c.
Extras on Tinned or Coppered Rivets ½-lb. cartons, 1c. per lb.

RIVET SETS

Canadian dis. 35 to 37½ per cent.

ROPE ETC.

Sisal	12
Pure Manilla	16
"British" Manilla	13½
Cotton, 3-16 inch and larger	16½
" 5-32 inch	21
" ⅛ inch	22
Russia Deep Sea	15
Jute	8
Lath Yarn	10

RULES.

Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS.

	per set.
Mrs. Potts, No. 55, polished	65
" No. 50, nickle-plated	75

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 5 per cent.
Emery, 40 per cent.
Garnet (Rurton's), 5 to 10 p.c. advance on list.

SAP SPOUTS.

Bronzed iron with hooks, per doz	9 50

SAWS.

Hand Disston's, dis. 12½ p.c.
S. & D., 40 per cent.

Crosscut, Disston's, per ft	35	0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.		
Hack, complete, each	0 75	2 75
" rame only		0 75

SASH WEIGHTS.

Sectional, per 100 lbs	2 25	2 50
Solid, "	1 75	2 00

SASH CORD.

Per lb	0 23	0 30

SAW SETS.

Lincoln' and Whiting, per doz	4 75
Hand Sets, No. 1 Woodyatt (Morrill)	4 25
X-cut sets, No. 3 Woodyatt (Morrill)	9 50

SCALES.

Standard, 45 p.c.
Champion, 55 p.c.
Spring Balances, 10 p.c.
Fairbanks Standard, 35 p.c.
" Dominion, 55 p.c.
" Richelieu, 55 p.c.
Warren's new Standard 45 p.c.
" " Champion 65 p.c.

SCREW DRIVERS.

Sargent's per doz	0 65	1 00

SCREWS

Wood, F. H., bright and steel, 87½ and 10 p.c
Wood R. H., " dis. 82½ and 10 p.c.
" F. H., brass dis. 80 and 10 p.c.
Wood, R. H., " dis. 75 and 10 p.c.
" F.H., bronze, dis. 75 p.c.
" R.H. " 70 p.c.
Drive Screws, 87½ and 10 per cent.

Bench, wood, per doz	3 25	4 00
" iron, "	4 25	5 75

Set, Case hardened, 60 per cent.
Square Cap, 50 and 5 per cent.
Hexagon Cap, 45 per cent.

SCYTHES.

Per doz, net	9 00

SCYTHE SNATHS.

Canadian, dis. 45 p.c.

SHEARS.

Bailey Cutlery Co., full nickeled, dis. 60 p.c
Seymour's, dis. 50 and 10 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SINKS.

Steel and galvanized, discount 45 per cent.

SNAPS.

Harness, German, dis. 25 p.c.		
Lock, Andrews'	4 50	11 50

SOLDERING IRONS.

1, 1½ lb., per lb	0 37
2 lb. or over, per lb.	0 34

SQUARES.

Iron, No. 493, per doz	2 40	2 55
" No. 494, "	3 25	3 40
Steel, dis. 60. 10 and 5 p.c.		
Try and bevel, dis. 50 to 52½ p.c.		

STAMPED WARE.

Plain, dis. 75 and 12½ p.c. off revised list
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized	3 50	4 00
Plain	3 25	3 75
Coopers', discount 45 per cent.		
Poultry netting staples, 40 per cent.		

STANDARD CHAIN CO., PITTSBURGH, U. S. A.

MANUFACTURERS OF **CHAIN** OF ALL KINDS.

Proof Coil, B.B., B.B.B., Crane, Dredge Chain, Trace Chains, Cow Ties, etc.

ALEXANDER GIBB, Montreal. —Canadian Representatives— A. C. LESLIE & CO., Montreal.

For Provinces of Ontario and Quebec. For other Provinces.

STOCKS AND DIES.

American dis. 25 p.c.

STONE.	Per lb.	
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip,	0 09	0 09
Labrador	....	0 13
" Axe	....	0 15
Turkey	....	0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, 2 in, 40 to 200 lb, per ton	....	25 00
" under 40 lb. "	....	28 00
Grind. under 2 in. thick "	....	29 00

STOVE PIPES.

5 and 6 inch Per 100 lengths	....	7 00
7 inch " "	....	7 50

ENAMELINE STOVE POLISH.

No. 4—3 dozen in case, net cash	$4 80
No. 6—3 dozen in case, "	8 40

TACKS BRADS, ETC.

Cheese-box tacks, blued ..... 80 & 12½
Trunk tacks, black and tinned 85
Carpet tacks, blued ..... 80 & 15
" " tinned ..... 80 & 20
" " (in kegs) 40
Cut tacks, blued, in dozens only .. 80
" ¼ weights 60
Swedes cut tacks, blued and tinned—
In bulk ..... 80 & 10
In dozens 75
Swedes, upholsterers', bulk .... 85, 12½ & 12½
" brush, blued & tinned, bulk .. 70
" gimp, blued, tinned and japanned ..... 75 & 12½
Zinc tacks 35
Leather carpet tacks 55
Copper tacks 50
Copper nails 52½
Trunk nails, black ..... 65 and 5
Trunk nails, tinned ..... 65 and 10
Clout nails, blued ..... 65 and 5
Chair nails 35
Patent brads 40
Fine finishing 40
Lining tacks, in papers 10
Lining tacks, in bulk 15
" " solid heads, in bulk 75
Saddle nails in papers 10
" " in bulk 15
Tufting buttons, 22 line, in dozens only 60
Tin capped trunk nails 25
Zinc glazier's points 5
Double pointed tacks, papers .... 90 and 10
" " " bulk 40

TAPE LINES.

English, ass skin, per doz.	2 75	5 00
English, Patent Leather	5 50	9 75
Chesterman's each	0 90	2 85
" steel, each	0 80	8 00

THERMOMETERS.

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TRAPS. (Steel.)

Game, Newhouse, dis. 25 p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's discount 10 per cent.
German, per doz. 4 75 6 00
S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb	....	0 27
Wrapping, cotton, 3-ply	....	0 18½
" " 4-ply	....	0 23½
Mattress, per lb	0 33	0 45
Staging, "	0 27	0 35

VISES.

Wright's	....	0 13½
Brook's	....	0 12¾
Pipe Vise, Hinge, No. 1	....	3 50
" " " No. 2	....	5 50
Saw Vise	4 50	9 00

ENAMELLED WARE.

White, Princess, Turquoise, Blue and White, discount 50 per cent.
Diamond, Famous, Premier, 50 and 10 p.c.
Granite or Pearl, Imperial, Crescent, 50, 10 and 10 per cent.

WIRE.

SMOOTH STEEL WIRE.

No. 0-9 gauge	$2 60	
10 "	60c. extra.	
11 "	12c. "	
12 "	20c. "	
13 "	30c. "	
14 "	40c. "	
15 "	55c. "	
16 "	70c. "	

Add 60c. for coppering and $2 for tinning.

Extras net per 100 lb. — Oiled wire 10c. spring wire $1.25, special hay baling wire 30c. best steel wire 75c., bright soft drawn 15c. charcoal (extra quality) $1.25, packed in casks or cases 15c., bagging and papering 10c., 50 and 100-lb. bundles 10c., in 25-lb. bundles 15c., in 5 and 10-lb. bundles 25c., in 1-lb. hanks 50c., in ½-lb. hanks 75c., in ¼-lb. hanks $1.

Fine Steel Wire, dis. 22½ per cent. List of extras : In 100-lb. lots : No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, 7.65—No. 24, $8—No. 25, $9—No. 26 $9.50—No. 27, $10—No. 28, $11 No. 29. $12—No. 30, $13—No. 31, $14—No. 32 $15, No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31 $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles, 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.50 to $3.85—No. 9, $2.85 to $3.15—No. 10 $3.60 to $3.95—No. 11, $3.70 to $4.10—No 12, $3 to $3.30—No. 13, $3.10 to $3.40—No. 14, $4.10 to $4.50—No. 15, $4.60 to $5.05—No. 16, $4.85 to $5.35. Base sizes, Nos. 6 to 9 $2.52½ f.o b. Cleveland.
Clothes Line Wire, regular 7 strand. No. 17, $4.65; No. 18, $2.90; No. 19, $2.60. Hollow 6 strand, No. 17, $4.30; No. 18. $2.70 No. 19, $2.35; No 20, $2.30, f.o.b. Hamilton, Toronto, Montreal.

WIRE FENCING.

Galvanized barb	....	3 00
Galvanized, plain twist	....	3 00

Galvanized barb, f.o.b. Cleveland, $2.77½ in less than carlots, and $2.65 in carlots

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net .. 1 25

WASTE COTTON.

	per lb.
Colored	6
White	8

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 60 p.c.
Coe's Genuine, dis. 20 to 25 p.c.

Towers' Engineer, each	2 00	7 00
" S., per doz	5 80	6 00
G. & K.'s Pipe, per doz	....	3 40
Burrell's Pipe, each	....	3 00
Pocket, per doz	0 25	2 90

WRINGERS.

Leader per doz.	$30 00	33 00
Royal Canadian "	...	24 00
Royal American, "	....	24 00
Sampson "	....	24 00

Terms 4 months, or 3 p.c. 30 days.

WROUGHT IRON WASHERS.

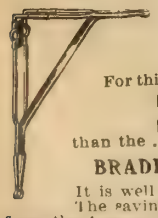
Canadian make, discount, 40 per cent.

Persons addressing advertisers will kindly mention having seen their advertisement in The Canadian Hardware and Metal Merchant.

ADVERTISING in WESTERN CANADA
will be Carefully Efficiently, and Promptly attended to, by
The Roberts Advertising Agency,
WINNIPEG CANADA.

"THE EMLYN" SAW BENCH

Made in 6 sizes. Best value obtainable. Specially designed for export With or without "Emlyn" Patent Guard. Sole maker—
CHARLES D. PHILLIPS,
Cables—Machinery," Newport. Emlyn Engineering Works, NEWPORT, MON., ENGLAND.



Will Hold Up a Shelf!

That's what a shelf bracket is for.
For this purpose there can be
NOTHING BETTER
NOTHING CHEAPER
than the ....
BRADLEY STEEL SHELF BRACKET
It is well **Japanned, Strong** and **Light.** The saving in freight is a good profit, aside from the **lower price** at which the goods are sold.
☞ Order direct or through your jobber.
ATLAS MFG. CO., New Haven, Conn., U.S.A.

DIAMOND EXTENSION STOVE BACK

They are easily adjusted and fitted to a stove by any one.

Please your customers by supplying them immediately with what they want.

Patented, July 11th, 1893. Canadian Patent, June 14th, 1894.



EXTENDED.

Sold by Jobbers of . . .
Hardware Tinware and Stoves.

Manufactured by THE ADAMS COMPANY, Dubuque, Iowa, U.S.A.
" " **A. R. WOODYATT & CO., Guelph, Ontario.**

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY MONTREAL.

Watch our ad. in next issue, or write to us for particulars on our patented
Automatic Door Strip and Weather Strip
Specially adapted for cold climates and takes the place of the inner window.
HELMS & HELMS, 148-50 Willow St., PHILADELPHIA.

Standard Paint & Varnish Works. Limited
Makers of High Grade Varnishes, Japans, Paints, Colors & Enamels.
Windsor, Ont.



Ontario Nut Works, Paris

BROWN & CO.

Manufacturers of

All sizes of Hot Pressed Nuts, Square and Hexagon.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker,
13 St. John Street, Montreal

Representing British and American Manufacturers. Correspondence invited from firms wishing to be represented in Canada.

R. BAILEY & SON

MANUFACTURERS OF

STOVE LININGS for Ranges and Ovens.

All kinds of Fire Brick and Fire Clay Work, Paving Tile, etc.

Wholesale Only. - - Write for particulars.

1220 Yonge Street, TORONTO.

ONTARIO SILVER CO.,

Limited,

NIAGARA FALLS, CANADA.

Manufacturers of **FLATWARE, CUTLERY and ELECTRO PLATE.** . . .

Ask for our Catalogue and Quotations.

It is the little leaks that make the large losses. You can avoid the leaks in

Wrapping Papers

if you buy from these mills. Our brown and manilla papers are of known quality—always run full weight—and count 480 sheets to the ream every time.

—We are always prompt in
—filling letter orders.

CANADA PAPER CO., Limited

TORONTO and MONTREAL

The Batty Stove & Hardware Co.

Successors to
The Toronto Branch of THE COPP BROS. CO., Limited.

Wholesale dealers in

Stoves, Ranges, Mantels, Grates, Tiles, Etc.

Hot-Air Registers.
Hot-Air Dampers.

STOVE REPAIRS FOR

COPP AND GARLAND STOVES.

THE BATTY STOVE & HARDWARE CO.

279 Queen West, TORONTO.

HAND-FORGED **RAZORS** HAND-GROUND

NOT TOUCHED BY MACHINERY.



Fully Warranted. Ask for Catalogue.

MADE IN CANADA BY

BAILEY CUTLERY CO., LIMITED

BRANTFORD, ONTARIO.

CHAS. F. CLARK, President. JARED CHITTENDEN Treasurer.

...ESTABLISHED 1849...

BRADSTREET'S

Capital and Surplus, $1,500,000. **Offices Throughout the Civilized World.**

Executive Offices: Nos. 346 and 348 Broadway, New York City, U.S.A.

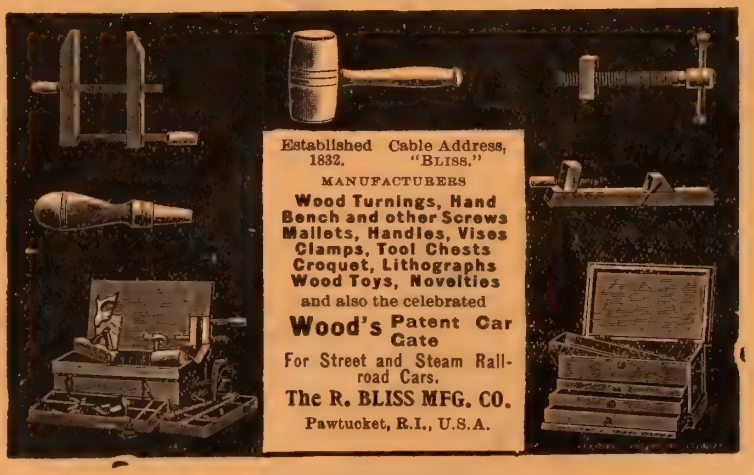
THE BRADSTREET COMPANY gathers information that reflects the financial condition and the controlling circumstances of every seeker of mercantile credit. Its business may be defined as of the merchants, by the merchants, for the merchants. In procuring, verifying and promulgating information no effort is spared, and no reasonable expense considered too great, that the results may justify its claim as an authority on all matters affecting commercial affairs and mercantile credit. Its offices and connections have been steadily extended, and it furnishes information concerning mercantile persons throughout the civilized world.

Subscriptions are based on the service furnished, and are available only by reputable wholesale, jobbing and manufacturing concerns, and by responsible and worthy financial, fiduciary and business corporations. Specific terms may be obtained by addressing the Company at any of its offices. **Correspondence Invited.**

—OFFICES IN CANADA—

HALIFAX, N.S.	HAMILTON, ONT.	LONDON, ONT.	MONTREAL, QUE.
OTTAWA, ONT.	QUEBEC, QUE.	ST. JOHN, N.B.	TORONTO, ONT.
VANCOUVER, B.C.	VICTORIA, B.C.	WINNIPEG, MAN.	

THOS. C. IRVING, Gen. Man. Western Canada, Toronto. JOHN A. FULTON, Gen. Man. Eastern Canada, Montreal.



Canadian Representative: ALEXANDER GIBB, 13 St. John St., MONTREAL.

75 YEARS. ***ESTABLISHED 1825.*** ***75 YEARS.***

CELEBRATED **HEINISCH** SHEARS.

Tailors' Shears,
Trimmers, Scissors,
Tinners' Snips, etc.



ACKNOWLEDGED THE BEST.

R. HEINISCH'S SONS CO.

NEW YORK OFFICE, 90 Chambers St.
NEWARK, N.J., U.S.A.

Not connected with any Shear Combination.

Est. 1868 Inc. 1895

Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve Medals

Awarded
By **JURORS** at
International Expositions
Special Prize
Gold Medal at Atlanta, 1895

1902 GARDEN HOSE. 1902

We manufacture the most popular and best selling lines of Garden Hose in Canada. Our "Maltese Cross" brand we confidently recommend as the finest Garden Hose on the market.

We have other grades not quite so expensive, but good reliable brands, viz.: "Lion" (the popular medium-priced hose), "King" "Sun" and "Leader."

Our "Kinkproof" (wire wound) hose is wired by a special process controlled solely by ourselves, and is so constructed that it may be cut at any wind of the wire without loosening or uncoiling, the wire being self-gripping throughout each length.

THE GUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

Head Office and Warerooms—
45-47-49 West Front St.

TORONTO,

Factories—115-165 West Lodge Ave.
124-148 O'Hara Ave.

CANADA.

Notice of

Removal

After the first day of February, 1902, our address will be

No. 53 St. Sulpice St.

Montreal.

B. & S. H. THOMPSON & CO.

CORDAGE

ALL KINDS AND FOR ALL PURPOSES.

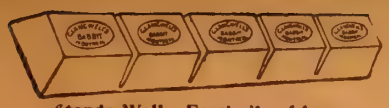
Manila Rope	Lathyarn
Sisal Rope	Shingleyarn
Jute Rope	Bale Rope
Russian Rope	Lariat Rope
Marline	Hemp Packing
Houseline	Italian Packing
Hambroline	Jute Packing
Clotheslines	Drilling Cables
Tarred Hemp Rope	Spunyarn
White Hemp Rope	Pulp Cord
Bolt Rope	Lobster Marlin
Hide Rope	Paper Cord
Halyards	Cheese Cord
Deep Sealine	Hay Rope
Ratline	Fish Cord
Plow Lines	Sand Lines

"RED THREAD" Transmission Rope from the finest quality Manila hemp obtainable, laid in tallow.

CONSUMERS CORDAGE COMPANY, Limited

Western Ontario Representative—
WM. B. STEWART,
Tel 94. 27 Front St. West, TORONTO.

MONTREAL, QUE.



Stands Well. Facsimile of bar.

CANADIAN

HARDWARE AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XIV. MONTREAL AND TORONTO, FEBRUARY 8, 1902 NO. 6.

POCKET KNIVES

H. BOKER & Cos

IMPROVED

TREE BRAND

TRADE MARK

RAZORS CUTLERY SCISSORS

FOR SALE BY LEADING WHOLESALE HARDWARE HOUSES.

Lysaght's Black Sheets

"Queen's Head" C.R.C.A.—Highest grade, dead flat.

"Southern Cross" C.R.C.A. — First-class quality, dead flat.

"Southern Cross" C.A.—Same sheets, not dead flat.

Electrical Sheets, Tack Sheets, etc., etc.

No common sheets made.

JOHN LYSAGHT, Limited, Makers, BRISTOL, ENG.

A. C. LESLIE & CO., MONTREAL, Managers Canadian Branch.

Have you got our new prices on

BOILERS AND RADIATORS?

IF NOT, communicate with us before placing YOUR ORDER.

THE DOMINION RADIATOR CO., LIMITED

Head Office, Dufferin Street, Toronto, Canada.

FELT
WEATHER STRIP
FOR
DOORS AND WINDOWS.

FOOT WARMERS

RICE LEWIS & SON
LIMITED

Cor. King and Victoria Streets. TORONTO.

BRASS
Rods, Sheets, Tubing.

Samuel, Sons & Benjamin, London and Liverpool, Eng.

M. & L. Samuel, Benjamin & Co.

General Importers and Exporters and Metal Merchants.

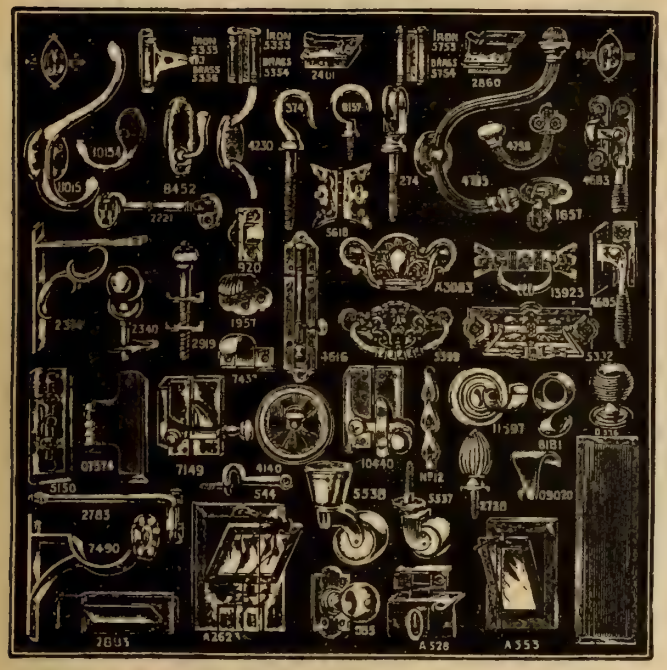
27 Wellington St. West, TORONTO, ONT.

James Cartland & Son

Manufacturers of every description of — Limited

CABINET, BUILDERS', FURNISHING AND NAVAL BRASSFOUNDRY

BIRMINGHAM, ENGLAND.



London Showrooms: 57 Holborn Viaduct, E.C.

"C.R.Co. Star

RETURNED FEB 11 1902



RED RUBBER PACKING

FOR HIGH-GRADE WORK

Good Packing **Good Price**

Good Profits **Good Advertising Matter**

Send for samples, prices and advertising matter.

The Canadian Rubber Co.

MONTREAL TORONTO WINNIPEG

Other Tools are very good Tools, but

"YANKEE TOOLS"

ARE BETTER



No. 15. "Yankee" Ratchet Screw Driver, with Finger Turn on Blade.



No. 30. "Yankee" Spiral-Ratchet Screw Driver, Right and Left Hand.



No. 41. "Yankee" Automatic Drill," Eight Drill Points in Handle.



No. 50. "Yankee" Reciprocating Drill, for Iron, Steel, Brass, Wood, etc.



No. 60. Pocket Magazine Screw Driver.

Our "YANKEE" Tool Book tells all about them. Mailed free on application. . . . . .

Manufacturers also of

LIGHTNING, GEM and BLIZZARD Ice Cream Freezers.

Toy Freezers, Ice Shaves and Ice Chippers.

Fluting Machines, Hand Fluters.

Sold by Leading Jobbers in Canada.

NORTH BROS. MFG. CO.,

Philadelphia, Pa., U.S.A.

WINDOW GLASS—TO IMPORT.

Prompt Deliveries.

EVERY KIND OF PLATE AND WINDOW GLASS IN STOCK.

BENT GLASS of all kinds, our own manufacture. Closest Prices.

TORONTO PLATE GLASS IMPORTING CO.,

Hill & Rutherford

Warerooms and Offices—135 to 143 Victoria St.
Bending Works—209 to 213 Victoria St.

TORONTO

USE PHOSPHORINE ANTI-FRICTION METAL

It is the new discovery. Ask for particulars.

It is the only Anti-Friction Metal known to be chemically pure.



For Paper and Pulp Mills, Saw and Wood Working Machinery, Cotton and Silk Mills, Dynamos, Marine Engines, and all kinds of Machinery Bearings.

Wire, Triangular and Bar Solder, Pig Tin, Lead, Ingot Copper, Ingot Brass, Antimony, Aluminum, Bismuth, Zinc Spelter, Phosphor Tin, Phosphor Bronze, Nickle, etc., always in stock.

CANADIAN WORKS, MONTREAL, P.Q.
AMERICAN " SYRACUSE, N.Y.

Syracuse Smelting Works



Steel Frame.

DAVID MAXWELL & SONS

ST. MARYS, ONT., CANADA.

"Maxwell Favorite Churn"

PATENTED FEATURES: Improved Steel Stand, Roller Bearings, and Foot and Hand Lever Drive, and Detachable Driving Link. Improved for season of 1902. Steel or Wood Frame as desired.

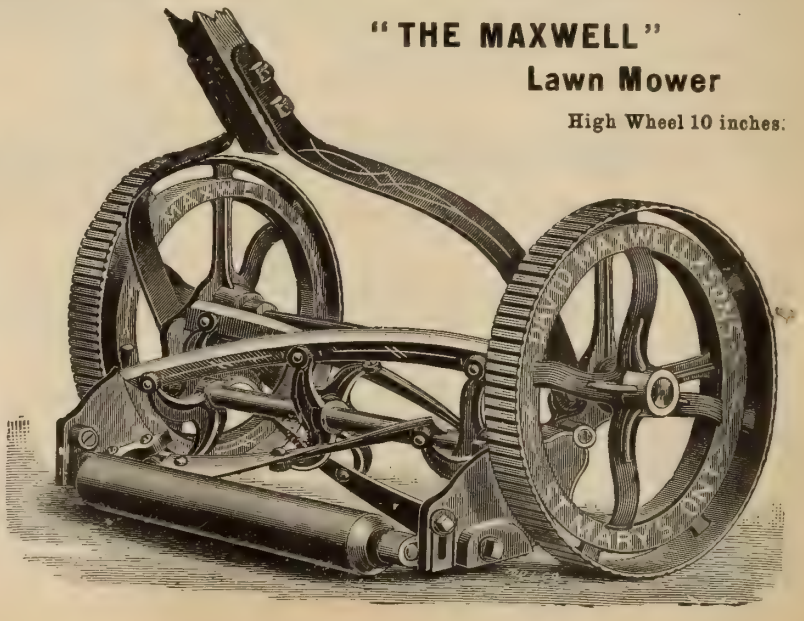
Wheelbarrows. In Four different Sizes.

Lawn Mowers. High and Low Wheels, from 12-in. to 20-in. widths. Cold Rolled Steel Shafting, Crucible Steel Knives and Cutting Plate.

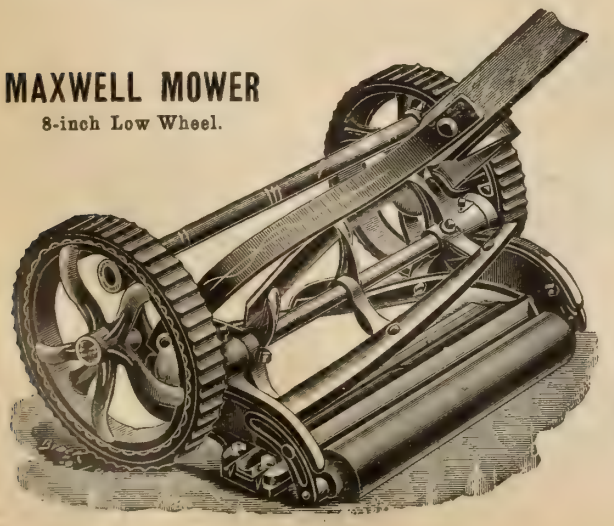
If your Wholesale House does not offer you these articles

SEND DIRECT TO US.

"THE MAXWELL"
Lawn Mower
High Wheel 10 inches.



MAXWELL MOWER
8-inch Low Wheel.

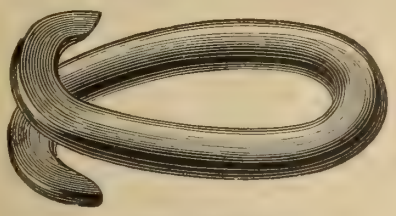


H. S. HOWLAND, SONS & CO.

WHOLESALE ONLY — 37-39 Front Street West, **Toronto.** — ONLY WHOLESALE

LUMBERMEN'S SUPPLIES

Repair Links



OPEN, BRIGHT

Proof Chain

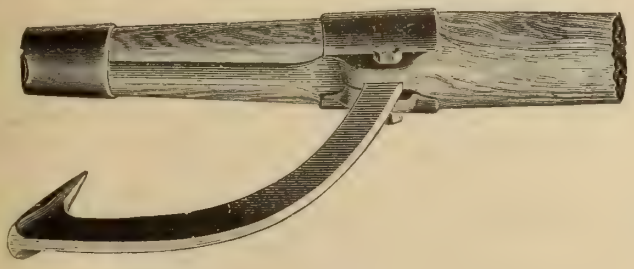


Repair Links

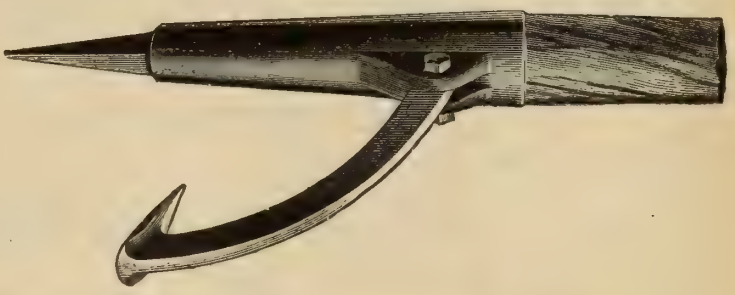


RIVETTED, JAPANNED

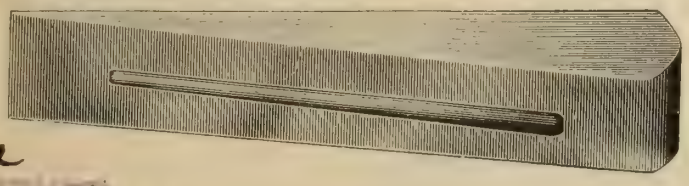
Cant Hooks

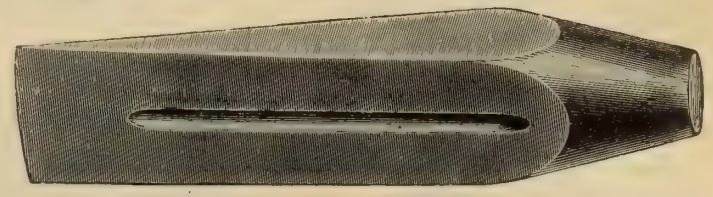


Peavies



Iron Wedges





Lumbermen's Boot Calks



Small Ball

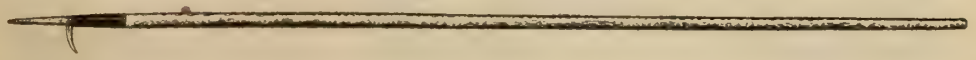


Medium Ball



Small Heel

Pike Poles



Iron, Steel, Axes, X-Cut Saws, Files, Nails, Glass, White Lead, Rope, etc.

H. S. HOWLAND, SONS & CO., Toronto.

WE SHIP PROMPTLY — Graham Nails are the Very Best. — OUR PRICES ARE RIGHT

Factory: Dufferin Street, Toronto.

HENRY ROGERS, SONS & CO.,

SHEFFIELD, ENGLAND

Manufacturers of the celebrated

H R S & C°

BARB and PLAIN

Galvanized Wire

Canadian Office:

6 ST. SACRAMENT ST., MONTREAL

F. A. YORK, Manager.



WRIGHT'S Insect Sprayers

PLAIN TIN,
LACQUERED,
ALL BRASS.

"BEST ON EARTH."

Manufactured by

E. T. WRIGHT & CO.

HAMILTON, ONT., and
MONTREAL, QUE.

J. H. Hanson, Agent, Montreal.

KNOX HENRY

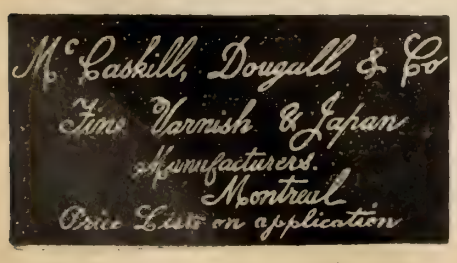
Heavy Hardware and Metal Broker
Room 32, Canada Life Bldg., MONTREAL.



Samples sent free on application.

HORSE NAILS — "C" Brand Horse – Nails
Canada Horse Nail Co.

"BRASSITE" GOODS — Gunn Castor Co.
Limited, Birmingham, Eng.



THE PROPRIETOR'S STORY.



ALABASTINE we have been selling nigh on to twenty years, and know it to be reliable.

We dealers also know that Alabastine is what is in demand, and that to sell anything else for coating walls, we would have to do so on the recommendation that it was the same thing, or just as good as **ALABASTINE.** Would not offer a substitute when Alabastine is called for; no necessity to do that, as it is easier to sell Alabastine, and in handling it we do not incur any risk on account of infringement of patents.

Alabastine is ready for use by the addition of Cold Water, made so by the inventor, Mr. M. B. Church, who was the first to produce a cold water preparation that is thoroughly practical, that has superseded all hot water mixtures, and forced other manufacturers to **UNDERTAKE** the use of the cold water process. Then, again, Alabastine is made in Canada, by Canadian labor and from Canadian materials. It satisfies my customers.

The trade supplied by Wholesale Hardware and Paint Dealers. Also by

THE ALABASTINE CO., LIMITED, PARIS, ONT.

THE INDEPENDENT CORDAGE CO., Limited,

TORONTO.

Highest Award Pan-American Exposition

MANUFACTURERS OF ALL KINDS OF

SISAL MANILA **ROPE,** Lath Yarn, Shingle Yarn, Hide Cord, **BINDER TWINE** Pulp Cord, Clothes Lines.

Transmission Rope a specialty.



SELL GOODS THAT MAKE YOUR CUSTOMERS HAPPY

"English Steel Scythes"
Champion Saw Tools
Axes, etc.

R. Dillon, Oshawa, Ont.

H. & R. SINGLE GUN AUTOMATIC AND NON-EJECTING.

12 and 16 Gauges.
Steel and Twist Barrels.

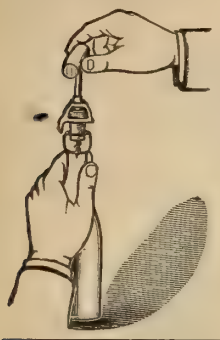
Superior in Design, Workmanship and Finish, and the most popular Gun on the Market.

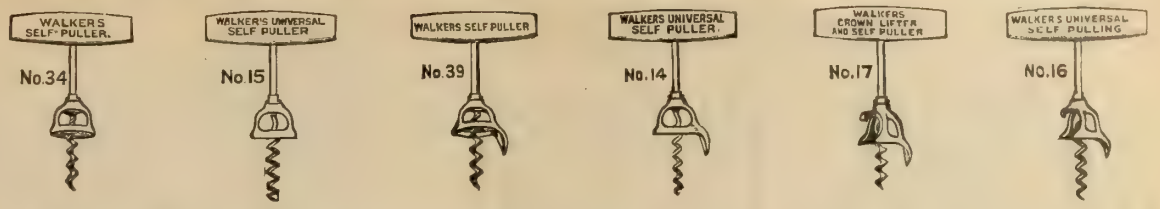
Simplest "Take Down" Gun Made.



HARRINGTON & RICHARDSON ARMS CO.
Also makers of H. & R. Revolvers,
Catalog on request. Worcester, Mass., U.S.A.

See! You Don't Have to Pull. A Child Can Do It.





Walker's Self-Pulling Cork Screws

Made of Crucible Steel, Nickel Plated, Polished Apple Wood Handles.

EVERY ONE TESTED AND GUARANTEED. Several imitations on the market, but none as good.

Mfrd. only by ERIE SPECIALTY CO., Erie, Pa., U.S.A.

RICHARD JOHNSON, CLAPHAM & MORRIS LIMITED, MANCHESTER AND LIVERPOOL, ENG.

CABLE ADDRESS—"Metallicus," Manchester.
CODES USED—ABC, AI, Liebers and Private Code.

Manufacturers and Metal Merchants



WAREHOUSE LEVER STREET

GALV'D SHEETS
GALV'D CANADAS
BLACK SHEET IRON
BLACK CANADAS
Range & Furnace SHEETS

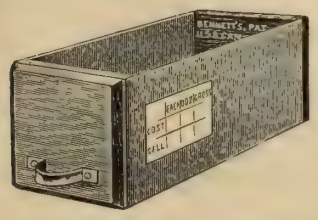
TINPLATES, TERNES
TINNED SHEETS
PIG TIN, PIG LEAD
WIRE NETTING
GALV'D BARB WIRE

MONTREAL OFFICE:
Messrs. Copland & Co., Imperial Buildings.

HALIFAX OFFICE:
Messrs. Grant, Oxley & Co., 68 Bedford Row.

After Stocktaking

in the quiet time is the opportunity to equip with



Bennett's Patent Shelf Box

Write for our new discount sheets containing lower prices and 7 varieties in Shelf Boxes.

J. S. BENNETT, Patentee and Manufacturer,
15 MARION ST., **TORONTO**

STEVENS SINGLE BARREL SHOT GUN.

LATEST AND BEST SINGLE GUN ON THE MARKET.



MADE IN THREE STYLES THREE GAUGES UP-TO-DATE.

FINEST SINGLE GUN YET PRODUCED.

Our Goods are Handled by the Leading Jobbers.

J. Stevens Arms & Tool Co., P.O. Box 217 Chicopee Falls, Mass., U.S.A.

GASOLINE MANTLES.

5-inch High-Pressure Gasoline Mantles that will stand being moved around.

These Mantles we have made especially for Gasoline, and we can recommend them to our customers. We have actual tests of 600 candle power from high-pressure Gasoline Lamps using our 5-in. Mantles.

We also manufacture the "United Gloria" Triple Weave Mantle and the "United" Single Weave.

In these Mantles we use the best chemicals, and we stand behind our goods.

SEND FOR PRICE LIST.

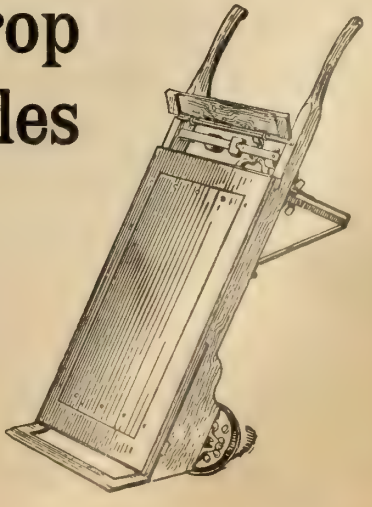
THE UNITED INCANDESCENT LIGHT CO.

Phone Main 969. 7 Yonge St. Arcade, Toronto.

The Parcell Drop Lever Truck Scales

Highly endorsed by Government Inspectors.

Designed for Farm, Mill, Factory and Warehouse uses. Ask your wholesale Dealer for cuts and prices, or write



AYLMER IRON WORKS CO., Limited

AYLMER, ONT.

THE SUCCESS of our

IMPERIAL OXFORD

RANGE

ever since we put it on the market has been enormous.

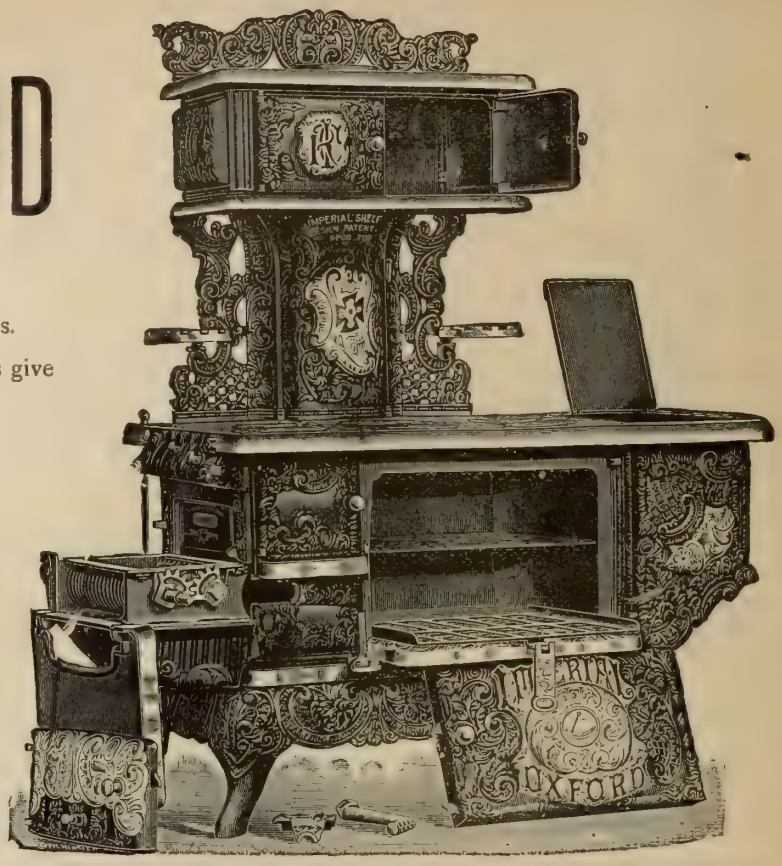
Its splendid construction and new patented features give it precedence over all others.

THE FRONT DRAW-OUT GRATE
DIFFUSIVE FLUE CONSTRUCTION
DRAW-OUT OVEN RACK

And other improvements, need only to be seen to be appreciated by your customers.

If you haven't them in stock, better write for full information and price list and be ready for early spring business.

There's steady demand for them all over Canada.



THE GURNEY FOUNDRY CO., Limited

TORONTO. WINNIPEG. VANCOUVER.

THE GURNEY-MASSEY CO., LIMITED, MONTREAL.



Australasian Hardware and Machinery.

The Organ of the Hardware, Machinery and Kindred trades of the Antipodes.

SUBSCRIPTION $1.25 PER ANNUM,

post free to any part of the world.

PUBLISHING OFFICES:
Melbourne - Fink's Buildings.
Sydney, - - - Post Office Chambers.
AMERICAN OFFICES:
New York, - Park Row Building.
BRITISH OFFICES:
London, - - - 42 Cannon St., E.C.

Specimen Copies on application.

THE TIME TO INSURE IS

NOW

While you are WELL, STRONG and INSURABLE.

THE

Confederation Life

ASSOCIATION issues policies on all approved plans of insurance, and is a prosperous and progressive Canadian Company.

PROTECTION FOR YOUR FAMILY.
PROFITABLE INVESTMENT FOR YOURSELF.

Pamphlets and full information sent on application.

Hon. Sir W. P. Howland, K.C.M.G., C.B.,
PRESIDENT.
W. H. Beatty, Esq., W. D. Matthews, Esq.,
VICE-PRESIDENTS.
W. C. MACDONALD, ACTUARY. J. K. MACDONALD, MANAGING DIRECTOR.

HEAD OFFICE, - TORONTO.

The Grey and Bruce Portland Cement Company of Shallow Lake, Limited,

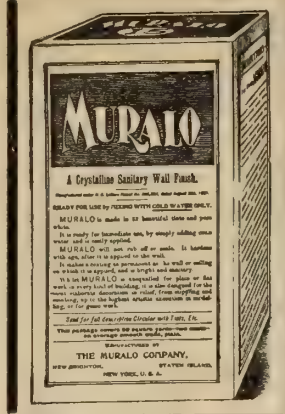
Manufacturers of

"HERCULES" BRAND OF

Portland Cement

Unsurpassed for Sidewalks, Floors, and all work requiring the Highest Grade of Portland Cement.

HEAD OFFICE: OWEN SOUND.



MURALO THE HIGH-GRADE WALL FINISH

Write to any of the agents mentioned below and get particulars of the latest and best in **COLD WATER** Wall Finish. Mixes easier, works easier, sells on a better reputation than any other Wall Finish in the world. Manufactured by **THE MURALO CO.,** in **NEW YORK,** the largest producers in the world of cold water goods.

Agents:

A. RAMSAY & SON, - - -	MONTREAL
J. H. ASHDOWN, - - -	WINNIPEG
McLENNAN, McFEELY & CO., -	VANCOUVER

There are twelve Axes that sell well in every dozen of

DUNDAS AXES

Wait for travellers with samples before placing your orders.

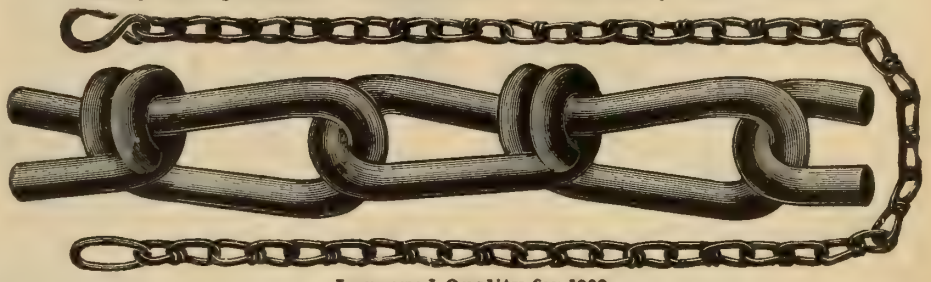


Dundas Axe Works, Dundas, Ont.

W. L. Haldimand, Jr., Montreal, Agent.

IMPROVED STEEL WIRE TRACE CHAINS.

Every chain guaranteed. Most profitable and satisfactory chain to handle.



Improved Quality for 1902.

THE B. GREENING WIRE CO., LIMITED

HAMILTON, ONT., AND MONTREAL, QUE.

ESTABLISHED 1843. INCORPORATED 1893.

THE Gurney-Tilden Co., LIMITED

Hamilton, Toronto, Montreal.

AGENCIES:—SAINT JOHN, N. B., VANCOUVER, B. C.

MANUFACTURERS OF . . . . . **LOCKS and BUILDERS' HARDWARE** OF EVERY DESCRIPTION.

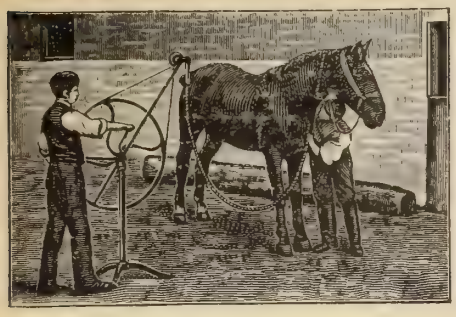
Horizontal Rim Knob Latches,
Horizontal Rim Night Latches,
Horizontal Rim Tubular Night Latches,
Horizontal Cylinder Rim Night Latches,
Horizontal Rim Knob Locks,
Upright Rim Knob Locks (Plain and Ornamental),
Horizontal Rim Knob Locks,
Horizontal Rim Dead Locks,
Upright Rim Store Door Dead Locks,
Upright Cylinder Rim Dead Locks,
Mortise Knob Latches,
Mortise Night Latches,
Mortise Dead Locks,
Mortise Store Door Lock,

and with many styles of Door Sets, the newest designs in Bronze and Brass Knobs and Escutcheons. . . . . .

Catalogues, Prices and Discount Sheets CAN BE HAD BY ANY DEALER FOR THE ASKING.

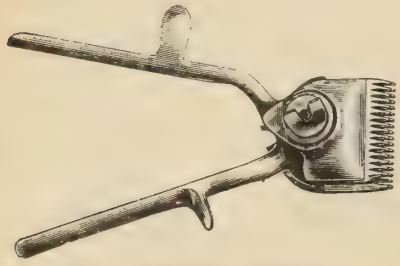
BURMAN & SONS' CELEBRATED CLIPPERS

Established 1871. **BIRMINGHAM, ENG.** for Horsemen and Barbers.



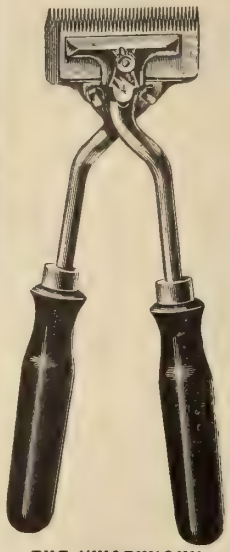
NO. 3—POWER CLIPPER, with "Wrist Joint."

As supplied to { The Czar of Russia. The King of Denmark. Earl Roberts, Etc., Etc.



THE "LEOPOLD" TOILET.

NO. 297.



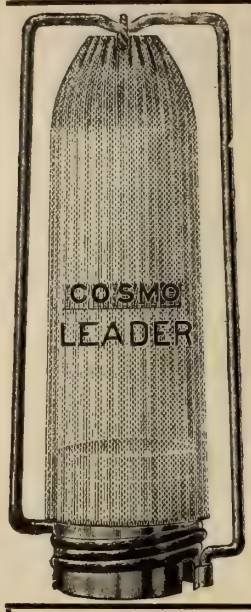
THE "WARWICK" CLIPPER.
Cuts over three teeth.

As supplied to His Majesty's War Department.

SEND FOR PRICE LIST AND TERMS.

To be obtained from all the principal Jobbers throughout the Dominion.

IF WE DIDN'T BELIEVE



all we have said about

Cosmopolitan Incandescent Gas Lamps and Mantles

we would stop advertising them altogether. It is because we believe them to be

THE VERY BEST

that we are anxious to have every dealer try them. We can give you

VERY CLOSE PRICES

on these lights too.

These mantles at manufacturers' prices.

We are the only Canadian jobbers for the well-known

ROCHESTER LAMPS

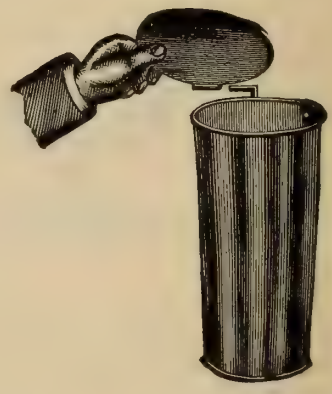
which for oil have no equal.

FULL STOCK OF THESE GOODS ALWAYS ON HAND.

THE ROCHESTER LAMP CO. OF CANADA

24 Front St. West, TORONTO.

Supplies for the Maple Syrup Season

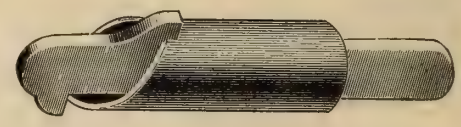


Sap Buckets.

Extra deep and straight. Three sizes. They possess many advantages over the ordinary flaring Buckets; being small in diameter they do not catch the rain or snow, and, as they are very deep, they hang perpendicularly and consequently will not overflow until full. Covers supplied if required. They nest close for shipping or storing.

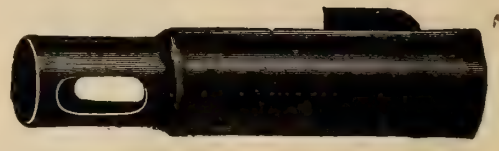
We can also supply the ordinary Flaring or Western Sap Pails.

E. T. Sap Spouts.



Made of Retinned Steel. Strong and durable. Only require a ⅜-in. hole in tree. It does not cover the inside surface of the hole, therefore a larger amount of sap is obtained. Packed in cardboard boxes.

Maple Leaf Sap Spouts.



Made in Bronzed Steel. Require a ½-in. hole. Has a shoulder which prevents it being driven in too far. The hole in the tree is not exposed to wind and snow, consequently sap will flow longer. Packed in cardboard boxes.

Syrup Cans. Round or Square.

Plain or Decorated. Made in ¼, ½ and 1-gallon sizes—either Wine or Imperial measure.

A FULL STOCK CARRIED IN ALL LINES. ORDERS SHIPPED PROMPTLY.

KEMP MANUFACTURING CO'Y, - - Toronto, Canada.

HARDWARE AND METAL

VOL. XIV. MONTREAL AND TORONTO, FEBRUARY 8, 1902. NO. 6.

President:
JOHN BAYNE MacLEAN,
Montreal.

The MacLean Publishing Co.
Limited

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P.E. Island and Newfoundland.

OFFICES.

MONTREAL - - - - 232 McGill Street. Telephone 1255.
TORONTO - - - 10 Front Street East. Telephone 2701.
LONDON, ENG. - - 109 Fleet Street, E.C. W. H. Miln.
MANCHESTER, ENG. - - 18 St. Ann Street. H S. Ashburner.
WINNIPEG - - - Western Canada Block. J. J. Roberts.
VANCOUVER, B.C. - - - Flack Block. J. A. Macdonald.
ST. JOHN, N.B. - - No. 3 Market Wharf. J. Hunter White.
NEW YORK - Room 442 New York Life Bldg.

Subscription, Canada and United States, $2.00.
Great Britain and elsewhere - - 12s.

Published every Saturday.

Cable Address { Adscript, London. / Adscript, Canada.

WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

LOWER PRICES ON PARIS GREEN.

THE price of paris green as quoted by the different wholesale houses in Toronto shows an unusually wide range at present. While some houses claim to be still quoting the old figures, there are others whose figures are 2c. per lb. below them. At the reduced figures 1-lb. packages are being quoted at 16½c. instead of 18½c. as formerly, petroleum casks at 14¾c. and arsenic kegs at 15c.

As far as we can learn the reduction is due to the importation of paris green of both British and United States manufacture.

The bulk of the orders for paris green for the coming season appear to have been placed, but as buyers were guaranteed prices they will, of course, lose nothing by the decline.

Although the price of paris green is weak on the Canadian market, in the United States the conditions are the opposite. Iron Age, in its issue of January 30, says: "The demand for paris green has begun exceptionally early this season, and for the past two weeks has been quite large. For the last two years buyers have been reluctant to come into the market early, so that their readiness to buy at this time is the more marked. The quantity of green already ordered is accounted for by the small amount carried over from last season; also by the large planting of potatoes which is anticipated as a result of the high price of last year's crop. There is no price agreement among manufacturers, which results in a variety of quotations, ranging from a base price of 10¾ to 12c. per lb. Some makers charge ½c. advance over ton prices for smaller lots. The view is expressed that prices will go higher."

The import duty on paris green is a moderate one, being only 10 per cent.; but the standard of quality demanded by the Government is high, and it would be well for dealers to assure themselves that with the price they are getting quality.

All the paris green imported comes from the United States and Great Britain, and the quantity brought into the country during the last three years was as follows:

	1899.	1900.	1901.
Great Britain, lb....	231,963	211,051	270,226
United States, lb....	924	93,082	64,947

A GOOD SCHEME.

A COMMUNICATION has been sent to the Canadian Manufacturers' Association by Mr. H. C. MacLean, of Toronto, suggesting the consideration of a scheme for advertising Toronto in the Southern States as a summer resort.

"If the Manufacturers' Association were to go into it intelligently," says Mr. MacLean, "and devise some scheme properly systematized and managed, they could raise $25,000 for the purpose without difficulty."

The idea is a good one, and should receive the consideration it deserves. The tourist question is large enough and important enough to warrant the Association applying its energies to advertising not only Toronto, but other cities as well, in which it has branches. In furtherance of the scheme, the cooperation of the railways and steamboat companies could also be sought, and, no doubt, it would be obtained.

The attractions of Canada as a summer resort for residents of the South are not unknown. Yearly they are becoming better known, but there is still a great deal of room for improvement. This can only be done by liberal and legitimate advertising schemes, and there is no organization that is better qualified than the Canadian Manufacturers' Association to take the initiative in the matter.

It is an evidence that they are renewing their youth when old firms inaugurate a vigorous and judicious policy in regard to advertising.

THE LEAVEN OF BUSINESS.

Advertising is the little leaven which raises the business to a place of prominence and a condition of prosperity.

THE WARLIKE MR. FOSTER.

HON. GEORGE E. FOSTER declared the other night during a speech which he made at the National Club, Toronto, on the occasion of the banquet to Mr. Edgar Wills, that he would like to see the people of the British Empire roll up their sleeves and give the commercially hostile nations a taste of commercial war.

Mr. Foster was for several years Finance Minister of the Dominion. On the whole, he was an able Minister. We do not know that we have had any better. But after all his experience in that capacity, the irresponsibility of the professional politician seems to occasionally exhibit itself. A business man with a stake in the country would not have talked in the militant spirit that Mr. Foster did. Commercial warfare is no more a plaything than physical warfare. Like it, destruction accompanies it and serious losses are entailed on both sides. It is unworthy of Mr. Foster to talk of liking to see the British Empire wage a commercial warfare.

The instrument by which he would wage a commercial warfare is, of course, the tariff. Now, there is no one in Canada that knows more about tariffs than Mr. Foster. When framing the tariffs which obtained under his regime he, no doubt, had in mind the welfare of Canada, and did the very best he could as far as his light went. Hon. W. S. Fielding was, no doubt, actuated by the same spirit. The tariff that exists today, like the last that Mr. Foster brought down, could be improved upon, and, no doubt, will be in time, but surely Mr. Foster would not have us believe that the proper way to improve it is to turn it into an engine of commercial warfare.

Mr. A. E. Ames, the president of the Toronto Board of Trade, who followed Mr. Foster, entirely disapproved of the latter's sentiments. "We are big enough, or should be big enough, to stand on our own basis," declared Mr. Ames. In other words, Mr. Ames would have us work out our own commercial salvation without bothering ourselves as to the methods obtaining in other lands. Mr. Foster, on the other hand, would declare a commercial warfare against foreign countries whose fiscal policy met with his disapproval.

Mr. Foster is not the only one in Canada who is demanding commercial warfare. Before those militant spirits go any farther we would advise them to first sit down, and, like the king in Holy Writ, consider the costs and the possibilities. And as a preliminary, take the tariff in one hand and the Trade and Navigation Returns in the other.

FEATURES OF CANADIAN WINTERS.

THERE is scarcely anything in regard to Canada that is more misunderstood in Europe than its climate. To a great many, Canada is a land of snow. It is true that in certain parts of the country the winters are cold and snow is present for three or four months. On January 3, for example, the thermometer at Dawson, in the Yukon, registered a maximum temperature of 28 deg. below zero, and at Winnipeg it was the same. But even in these places the climate is so dry and the conditions for withstanding the cold so ample that inconvenience is seldom experienced.

The climatic conditions at those points are not, however, representative by any means of the climatic conditions ruling in Canada during the winter months. In Halifax, on the Atlantic coast, the thermometer, on January 3, was only 4 deg. below freeezing point, while at Victoria, on the Pacific coast, the temperature did not come within 4 deg. of freezing point, while in Toronto, where not one man in a dozen wears a fur cap during the winter months, there were 10 to 20 degrees of frost.

Snow on the Pacific Coast of Canada is a rare thing. On January 23rd last there was a snowstorm in that part of the country, the first for a year, and such an unusual thing was it that the newspapers came out the next day with flaring headlines, one of which read: "A Rare Snow Visitant." At Christmas time flowers are blooming in the gardens of Victoria, British Columbia, and a copy of The Victoria Colonist of January 24 announces that one of the local grocery firms has received two pounds of strawberries grown in the open air at Saanich, a short distance north of the Provincial capital. Coming east of the Rockies, it is a well-known fact that on the ranches in the Calgary district cattle are able to remain out on the prairie all winter.

Taking either the winter or the summer seasons, Canada has one of the most glorious and bracing climates in the world.

THE COLLINGWOOD STEEL PLANT.

AS soon as the weather is favorable the buildings under construction for The Cramp Steel Co. at Collingwood, Ont., are to be completed and a steel plant installed having a daily capacity of 600 tons. The company will manufacture girders, beams and rails in addition to merchant bar and billets. Considerable work will be provided for this steel plant by the acquisition of the Canada Atlantic and other Canadian roads by Dr. Stewart Webb and his associates. Dr. Webb is one of the directors of this steel company.

The buildings that are under construction for the steel plant are to be entirely of stone and steel. The plant will consist of a Bessemer converting plant equipped with two 7-ton converters, three cupolas for melting pig iron, mixers, blowing engines, hydraulic pumps and cranes complete. The total output of the converting plant will be 600 tons of acid steel daily, and the two open-hearth steel furnaces will have a minimum capacity of 100 tons of basic steel daily. The latter will be equipped with gas-producers and cranes of most modern design.

The open-hearth and the Bessemer plants are each in separate steel buildings, each 100 x 100 feet. They will be supplied with all accessories, such as bottom ovens, grinders, and an electric plant installed in an adjoining building. The pit-house will be built of stone, 70 x 70 by 30 feet high, and is an extension of the blooming building. The ingots will be rolled into 4 x 4 billets by a blooming train after they are taken from the soaking pits. These billets will be cut into suitable lengths by a massive hydraulic shear at the end of the blooming main tables. The plant will be one of the most modern and up to date on the American continent.

Twelve tubular boilers in a separate building, will supply the motive power.

The ore will be obtained from the mines of the company to a great extent. One of these at Sundridge is very promising. The ore is of Bessemer grade and a diamond drill will be put on in the spring. Ores from Lake Superior will probably supplement the ore from this mine.

ANNUAL MEETINGS OF BOARDS OF TRADE.

THE MONTREAL BOARD.

THERE was a large attendance of members at the annual meeting of the Montreal Board of Trade which was held on January 28 to elect officers for the coming year and to receive the report of Mr. Henry Miles, the retiring president.

In his address Mr. Miles touched on the position created by the disastrous fire and the difficulties and responsibilities created by it. He then touched on the transportation problem, which he said was the most important question of our day. The Parliament and Government is in sympathy with the progress they desire, which is none other than the acknowledgment of Montreal as the national port of the Dominion. He referred to the Hon. J. I. Tarte's letter on the subject, which he believed had fully grasped the situation. The difficulty at present exists, not with the railways, but with our waterways, harbors and inland tonnage. Our transportation facilities are unequal to the requirements of to-day. Our lethargy is serving to build up the Atlantic ports of the United States. To accomplish anything our business men should be united. In this way they would strengthen the hands of the public men who are willing to deal with this great question. The position also in regard to the equipment of the harbor was unsatisfactory. Difficulties and contentions should be put aside and the work pushed forward. The possible consolidation of the ocean liners with the land carriers in the United States was a menace to the St. Lawrence trade. The present conditions of the route required the greatest energy towards securing every improvement possible. He was pleased that they had strong prospects of having the next meeting of the Chambers of Commerce of the Empire at Montreal. The extension of the telegraph system to Belle Isle has been accomplished. The Marconi system is now being made use of in a limited way, and he hoped that it might be more extended. Its establishment would be an additional safeguard to navigation. The fire-insurance situation is unchanged. About a year ago the rates had been enormously advanced. This position, in the opinion of experts, can only be rectified by the expenditure of $300,000 in improving the fire protection of the city. And until the city has money to meet the expenses, and the city council reorganizes the fire brigade, the high rates will continue. The want of a new Customs examining warehouse was also noted. The business of the port warrants the request for a new building. He was pleased to announce the completion of the contract for the construction of a new fireproof home for the board. They had made an excellent bargain with the contractors. The cost of the new building will be $435,000. The estimated amount of the salvage was $60,000, and the amount of the contract was $375,000, which made up that figure. He concluded by offering testimony to the valuable services of the secretary, Mr. George Hadrill, whom he said had ever the Board's interest at heart.

The scrutineers, on the following day, reported at the adjourned meeting that these officers were elected :

President—Mr. Alex. McFee, representing the grain trade.

First vice-president—Mr. Arthur J. Hodgson, dairy produce.

Second vice-president—Mr. Geo. E. Drummond, iron.

Treasurer—Mr. Robert Munro, paints and oils, by acclamation.

Members of council—Messrs. James Thom, shipping; T. F. How, banking; W. W. Watson, sugar; James Davidson, stamped and enamelled ware; G. B. Fraser, dry goods; J. C. Holden, boots and shoes; P. W. McLagan, dairy produce; H. D. Metcalfe, grain; Hugh Watson, wallpaper; John J. McGill, rubber manufactures; Cornelius Coughlin, live stock, and R. McD. Paterson, fire insurance.

Board of arbitration—Messrs. E. B. Greenshields, Charles F. Smith, Robt. Reford, John McKergow, Robert Archer, James Crathern, Robert Bickerdike, James P. Cleghorn, Hon. Robert Mackay, John Macfarlane, Henry Miles and R. W. Macdougall.

After the newly-elected president took the chair, a hearty vote of thanks was accorded Mr. Miles, who gratefully acknowledged the same.

Mr. Alex. McPhee was pleased with the honor conferred on him by his election to the presidential chair. He promised that he, together with the council, would continue the work carried on last year—the deepening of the river to a uniform depth of 30 feet, and the improvement of the aids of navigation from that port to the sea. During the past season no fewer than nine steamers were lost on the Newfoundland Coast. Six of these belonged to the St. Lawrence trade. The council would do everything possible to remove the difficulties under which the St. Lawrence route labored. The council would also, as far as possible, further the extension of trade on the canals.

THE KENTVILLE, N S., BOARD

At least 75 members were present at the annual meeting of the Kentville, N. S., Board of Trade, when Presihent Sealy presented his report of the past year's proceedings of that body.

The committee on the fruit fair, which is to be held next fall, stated that they had secured the guarantee of the county council that in the event of there being a deficit the council would make one-half of it good.

A committee consisting of B. H. Dodge, M.P.P., H. H. Wickwire, M.P.P. and R. S. Eaton were appointed to present the matter to the Provincial Government. In reference to the Government report a letter from Acting-Premier Longley was received.

The Maritime winter fair, also was discussed as were also better connections and larger circuit on the telephone lines, and a speedway near the town. In regard to the speedway it was pointed out that the leading market for horses had become centred in King's county, from which place the majority of the horses purchased for Africa had come.

The election of officers for 1902 resulted as follows :

President—A. E. Calkin.
Vice-President—George E. Calkin.
Secretary—F. C. Rand.

BANQUET OF GUELPH BOARD OF TRADE.

The Guelph Board of Trade held its third yearly banquet at the Wellington Hotel last Friday evening, January 31. Over 100 were present, including a number of the business men of that city. A. F. H. Jones, the president of the board, performed the duties of chairman. On his right was the Hon. Geo. E. Foster, and on his left, A. E. Ames, President of the Toronto Board of Trade. E. R. Bollert occupied the vice-chair. When the menu had been disposed of and the toast of "The King" honored, the chairman followed in a short address. He recommended the formation of a Provincial board of trade composed of one or more members of the various boards of trade throughout the Province. They could meet once a year in Toronto, about the same time as the Legislature was in session, and discuss matters of trade. The great prosperity of the country during the past few years, was also noted.

"The House of Commons and the Legislature" was propsed by E. R. Bollert.

A. Guthrie, M.P., replied on behalf of the Commons. He was enthusiastically cheered. He had heard regret on all sides expressed that Mr. Foster was no longer a member. His ability made him of great service to his country. The press of both parties were apt to traduce anyone who were trying to do his duty. He was pleased at the healthy state of trade in Canada. We should have freer trade and fairer trade. He believed that the Mother Country in the east should be more looked to than the country to the south.

Lieut.-Col. Mutrie, M.P.P., was a stout opponent of the bonusing system. He believed only in helping old-established manufactories, which might have suffered from fire.

The toast of "Canada" was received

by the singing of "The Maple Leaf." As it was coupled with the name of the Hon. Geo. E. Foster, he rose amidst cheers to respond. We should have confidence in our country; we also should have confidence in ourselves, he declared. On us rests the responsibility of making Canada one of the greatest nations in the world. We have laid the foundations successfully and now had to follow a straight road.

A. E. Ames, President of the Toronto Board of Trade followed with a very practical speech. He believed in the country. The young men should advance in the footsteps of their fathers, and go beyond them.

The toast "Sister Boards of Trade" was also responded to by a number of others, as was also that of "The Agricultural Interests," to which Professor Reynolds responded. The other toasts were the "Manufacturing and Commercial Interests" and "The City and Country Interests." The last-named was responded to by the Mayor of Guelph.

STOVE PRICES HIGHER IN THE STATES.

THE Western stove manufacturers have advanced the price of steel ranges 10 per cent., and of cast ranges 5 per cent. As far as known the advance on heaters has not been definitely settled, and the new price on these goods may not be fixed until nearer the time when orders will begin to be placed for next season's trade. It is not expected that much will be done in the sale of heaters the remainder of this winter, as the trade is undoubtedly pretty well supplied. Such sales as occur are of a scattering character, and usually represent the wants of some belated buyer confronted by an emergency which compels him to purchase a stove.

The advance made in cooking goods is stated to have been received by the dealers without much objection. They recognize the fact that costs have advanced, as they are familiar with the high prices now ruling on the materials from which ranges are made. The demand is not heavy at present, but both in Chicago and in the rural districts tributary to the city a fair amount of business is doing, which is fully up to the usual movement at this time of the year. Some of the stove houses are reporting a better trade than they enjoyed at the corresponding time last year. All branches of business are in such good condition that wage-earners are well employed and families are consequently seeking houses for which they must have furniture.—Metal Worker.

Scott & Welsh, general merchants, Moorfield, Ont., have sold their stock to A. S. Scott & Co.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

L. A. Frechette, general merchant, Thetford Mines, Que., has assigned.

Kent & Turcotte are the curators of J. C. Giroux, general merchant, Berthier, Que.

Binns & Thompson, general merchants, Ucluelet, B.C., have assigned to James E. Sutton.

Anthime Jolicoeur is curator of the estate of Pierre A. Pigeon, builder, Delorimer, Que.

Thomas Clement, blacksmith, Dobbington, Ont., has assigned to James Douglas, Chesley.

P. J. Kyte, general merchant, St. Peter's, N.S., is offering to compromise at 50c. on the dollar.

H. A. Lalonde, general merchant, Riviere Beaudette, Que., is offering 25c. on the dollar.

L. M. A. Lemieux & Co., general merchants, Marbleton, Que., have assigned to J. R. Roger.

A petition for the winding up of The Diamond Lighting Co., Limited, Montreal, has been presented.

The creditors of Black & Ross, general merchants, Thetford Mines, Que., held a meeting on February 4.

J. A. Milligan, general merchant, Midland, Ont., has assigned to Duncan Storey. Creditors will meet to-day.

A meeting of the creditors of James B. Hay, florist and seed merchant, Brantford, Ont., has been called for February 8.

Syndicate de Ste. Marie, general merchants, St. Marie, Beauce county, Que., has assigned to Alfred Leimeux.

The Electric Cab Co., Limited, Toronto, has assigned to J. P. Langley. A meeting of creditors will be held on February 10.

A. Desmarteau is curator of Joseph Cousineau, coal and wood merchant, Montreal. His creditors had a meeting on February 6.

Lacourse & Le Francois, general merchants, Shawenegan Falls, Que., have consented to assign. A meeting of creditors has been called for February 8.

M. S. Houle, general merchant, St. Boniface and Letellier, Man., has assigned to C. H. Newton, Winnipeg. A meeting of creditors has been called for February 11.

PARTNERSHIPS FORMED AND DISSOLVED.

Dufresne & Pratt, hardware merchants, Montreal, have dissolved.

Mistele & Schmidt, hardware merchants, Rodney, Ont., have dissolved. D. Mistele continues.

Frothingham & Workman, wholesale hardware merchants, Montreal, have dissolved, and a new partnership has been registered.

The Spencer Island Co., lumber merchants, Spencer Island, N.S., have dissolved.

Ironsides & Knight, carriagemakers, Ilderton, Ont., have dissolved; J. H. Knight continues.

Carrier & Sabbe, carriagemakers, St. Francois Xavier De Brompton, Que., have dissolved.

Halstead & Quick, sawmill owners, Hanover, Ont., have dissolved. T. R. Quick continues.

Fetterly, Fulton & Allison, general merchants, Chesterville, Ont., are advertising as dissolving.

W. R. Calder & Son, lumber merchants, Tupperville, N.S., have dissolved. Hugh A. Calder continues.

Wm. and David Mitchell and J. Patrick have registered as partners in The Maritime Coal Co., Maccan, N.S.

SALES MADE AND PENDING.

The Hodgson Iron and Tube Co., Montreal, has obtained a charter.

The assets of J. A. Duval, hardware merchant, Montreal, have been sold.

The Peterboro' Peat Co, Limited, Peterboro', Ont., have obtained a charter.

The Lake Superior Timber Co., Limited, Windsor, Ont., has obtained a charter.

The assets of B. Simon, general merchant, Greenfield, Ont., are to be sold on February 10.

N. T. Carey, general merchant, Otterburne, Man., is advertising his business for sale.

The assets of M. Ormstein & Co., general merchants, St. Polycarpe, Que., are to be sold.

The assets of B. Simon & Co., general merchants, Vankleek Hill, Ont., are to be sold on February 10.

The Sault Gray Copper Co., Limited, Sault Ste. Marie, Ont., have obtained a charter.

The Beauharnois Light, Heat and Power Co., Beauharnois, Que., has applied for a charter.

The estate of Malcolm R. Gillespie, general merchant, Balmoral, Ont., was

WIRE NAILS
TACKS
WIRE

Prompt Shipment.

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

advertised for sale by auction on February 6.

P. E. Ruel & Cie, painters, etc., Montreal, have registered.

Lewis Jones, general merchant, Exeter, Ont., has sold to L. Lanning.

The Walker Oil Co., Limited, Winnipeg, is applying for incorporation.

R. W. Williams is successor to Lincoln & Williams, tinsmiths, Yarmouth, N.S.

Nathan Brenner, dealer in scrap iron, etc., Toronto, has sold out to Katie Brenner.

The R. E. T. Pringle Co., Limited, electric supplies, Montreal, has obtained a charter.

Annie E. Smith, general merchant, Port Rowan, Ont., is succeeded by Darby & Yokum.

R. H. Benson & Co., general merchants, Indian Head, N.W.T., are giving up business there.

Mrs. Ruben Rafalovitch has registered for B. Simon & Co., stove merchants, Montreal.

W. J. T. Trudel has registered for Trudel & Moore, wood and coal merchants, Montreal.

W. B. Martin, agricultural implements, Shoal Lake, Man., has sold out to Eakins & Griffin.

Labbe & Lemay, lumber merchants, St. Francois Xavier De Brompton, Que., have registered.

Maxwell & Bowes, agricultural implement agents, Pilot Mound, Man., have sold out to G. Elliott.

The Heaslip & Lawton Co., Limited, agricultural implements, Alameda, N.W.T., have been incorporated.

A. R. Williams & Co., machinery manufacturers, Montreal, have changed their style to Williams & Wilson.

E. J. Brooks & Co., general merchants, Indian Head, N.W.T., have sold their Kenlis branch to A. O. Brooks & Co.

Supplementary letters have been issued increasing the capital of The Dominion Wire Manfg. Co., Limited, Montreal, to $1,000,000.

Joseph Wheatley, blacksmith and general merchant, Harlock, Ont., has sold out to Frederick Argent, who takes possession during March, 1902.

Supplementary letters have been issued increasing the capital of The St. Lawrence and Chicago Steam Navigation Co., Limited, Montreal, to $500,000.

FIRES.

C. S. Botsford, general merchant, Uxbridge, Ont., has been burned out.

E. T. Thompson, agricultural implement merchant, Uxbridge, Ont., has suffered some loss by fire.

George Gale & Sons, manufacturers of iron beds, etc., Walkerville, Ont., were burned out. Their stock was insured.

DEATHS.

M. B. Lovell, of Lovell, Henry & Sons, lumber merchants, Coaticook, Que., is dead.

The Four Factors

that bring success to *S.-W.P.* Agents are

S.-W.P. Methods,
S.-W.P. System,
S.-W.P. Advertising,
S.-W.P. Quality.

With quality alone *S.-W.P.* can place any paint dealer at the head of the business in his locality, but we don't depend on quality alone. We back the quality up with methods, system, and advertising that insures success from the start. The combination can't be beat, and will win out against any competition, anywhere paint is sold.

If you want to learn in detail about these four factors, send a postal card to-day for the "B-13 Booklet." It is full of valuable information.



THE SHERWIN-WILLIAMS CO.
PAINT AND VARNISH MAKERS.
CLEVELAND.
CHICAGO, NEW YORK, NEWARK, MONTREAL, BOSTON, TORONTO, SAN FRANCISCO. KANSAS CITY.



A NEW REPRESENTATIVE.

Mr. Fred S. Murdoch, who has represented The Jas. Robertson Co., Limited, for the past eight years, succeeds the late Mr. Gabriel Crawford in travelling for The Canada Paint Co. in the Maritime Provinces. Mr. Murdoch is to be congratulated in representing this progressive company, who are the largest manufacturers in the Dominion of Canada of paints, colors and varnishes. With four factories, The Canada Paint Co. is able to keep abreast of the times and to continually add new and taking features to their list of specialties. The company is no less fornunate in securing the services of Mr. Murdoch, who has been for several years one of the most successful and popular members of the travelling fraternity.

PERSONAL MENTION.

Mr. H. Roper, representing Alexander Gibb, manufacturers' agent and metal broker, Montreal, was in Toronto on Thursday en route home from a business trip west. His trip was a successful one.

HARDWAREMEN ELECT OFFICERS.

The hardware section of the Toronto Junction Branch of the Retail Merchants' Association held their annual meeting on Thursday evening, January 30, when the following officers were elected for 1902 :

President—James Bond.
1st Vice-President—E. Rogers.
2nd Vice-President—J. E. C. Willard.
Secretary—Thomas Padget.
Treasurer—H. D. Snell.
Delegates to Retail Merchants' Association—N. Raybould and A. Chisholm.

The secretary's report showed a substantial balance in the treasury. The increased membership was also a cause of satisfaction to those present.

The installation of officers will take place at their next meeting.

CHANGE IN A HARDWARE FIRM.

W. S. Rogers & Son, hardware, tinware and stove merchants, Glencoe, Ont., write to say that they have disposed of their business to Mr. T. E. Pool. They state : "In writing to you we cannot let the opportunity pass of stating how much benefit we received through the columns of your well-edited journal. We always found plenty to interest us, not only as to the current changes in prices of goods, but in the general reading matter. We wish you continued success in your efforts."

WIRELESS TELEGRAPHY.

SOME years ago, when I was assistant to the local electrician of the British Government, I ventured to lecture at Hope Hall, Liverpool, upon electricity. At the close of the lecture the audience was invited to ask any questions they might see fit. After a short, but apparently interesting discussion, one man created a flutter by asking if I was aware that it was possible to telegraph without wires. As this was my "first appearance," as the newspapers put it, "on any stage," I was, I must admit, disconcerted for a moment. The listeners thought the question ridiculous and commenced to "guy" the anxious inquirer most unmercifully. When calm was restored, I confessed my ignorance, but reminded the audience that the spark from the Leyden jar was wireless telegraphy, as also was induction or induced currents, the transfer of an electric or magnetic state from an electrified body to a non-electrified by proximity without contact. Again I mentioned that telegraphy had been possible using a river or body of water as a conductor.

Shortly after this, experiments were carried on, if I remember rightly, between the north coast of Devon and Lundy Island in the Bristol channel. Since then, as is widely known, the distance in which successful and intelligible signals have been transmitted without wires is ever widening, and I simply write this to endeavor to show that the system is not the dream of a day, but the outcome of careful, prolonged and scientific experiments, and we should bear in mind that it took 20 years to bring that marvel of electrical adaptation, the Bell telephone, to its present stage of perfection, and all honor is due to Marconi for his last great achievement of signalling across the Atlantic.

One must remember an extraordinary development that is taking place in matters electrical and the mode of employing and distributing that which we know, as Lord Kelvin puts it, "nothing about," may be completely revolutionized within a very short time.—William H. Evans, of The Canada Paint Company, in The Montreal Gazette.

A NEW IMPLEMENT FIRM.

The Heaslip-Lawton Co., Limited, is a new firm that has been incorporated at Alameda, N.W.T., as dealers in all kinds of farm implements, threshing machines, pianos, organs, and sewing machines. J. J. Heaslip is the head of the firm. He has been in that district for over 13 years in the implement business, besides conducting a hardware and undertakin establishment for several years. W. E. Lawton, also connected with this firm, has been in the same business for upwards of nine years, first with The Massey-Harris Co., Limited, Toronto, travelling for them in Ontario. Later, he has sold for The Cockshutt Plow Co., of Brantford, Ont., in the west. The third partner, George Heaslip, has been connected with a harness shop and woodworking shop at Alameda, for some time.

IVER JOHNSON BICYCLES

NEWEST AND LATEST TRUSS FRAME

The Truss frame satisfies that longing for something new and good in a bicycle—it possesses the advantage of racing weight and roadster strength—a rigid crank hanger—greater speed—no buckling of frame—

Made of one-inch Tubing.

Agents wanted in unoccupied territory; send for new catalog just issued.



(FRAME PATENTED.)

IVER JOHNSON'S ARMS & CYCLE WORKS,

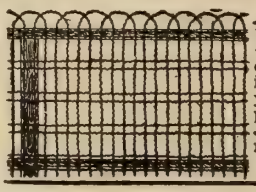
New York Salesroom—
99 Chambers Street.

FITCHBURG, MASS., U.S.A.

Zanzibar Paints

We do not say "there are no other good paints"; we do not have to sell our paints in that way, but we do say **ZANZIBAR PAINTS** in point of service and appearance are unequalled. Do you carry them in stock? You should. Write for our "Terse Talks."

THE ZANZIBAR PAINT CO., Limited - - Toronto, Can.



Page Metal Ornamental Fence. We now make fence that is ornamental, very showy and surprisingly cheap. It is just what is wanted for door yards, division fences in town lots, grave yards, orchards, etc. It is **20 cts. PER RUNNING FOOT.** painted and retails at only Just think of it. Let us send you full particulars. We also make farm fence, poultry netting, nails and staples.

The Page Wire Fence Co., Limited, Walkerville, Ont. 8

STANYON ENGINEERING CO.

402 McKINNON BUILDING,

'Phone Main 2177. **TORONTO**

CONTRACTING AND CONSULTING ENGINEERS.

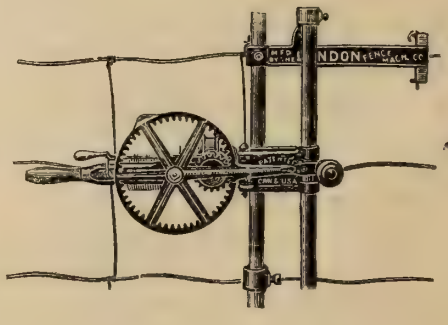
Steel Works, all kinds of Rolling Mills, Wire Mills, etc., all built complete. Machinery designed for any purpose.

GENERAL OFFICES, - - PITTSBURG, Pa.

When your customers ask about

FENCE

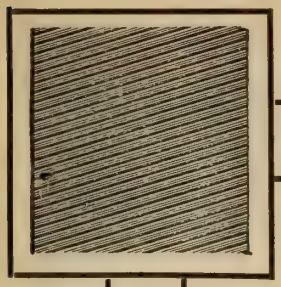
remember that the most satisfactory as well as the cheapest fence is the one built on the ground with a London Fence Machine and Fencing Supplies made by



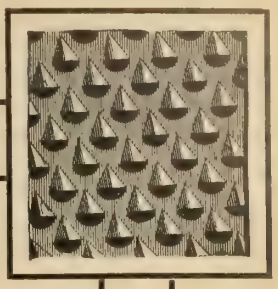
THE LONDON FENCE MACHINE CO., Limited.

Manufacturers and jobbers in everything in up-to-date farm Fencing. **LONDON, ONTARIO.**

RETURNED FEB 19 1903



DISSTON



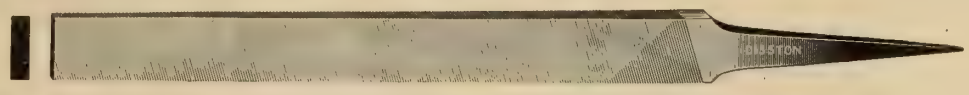
DISSTON

Henry DISSTON & Sons

PHILADELPHIA, PENN., U.S.A.

FILES. RASPS.

DISSTON

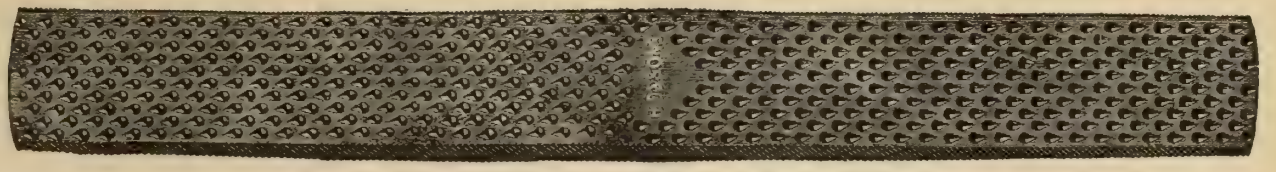


THE POPULARITY OF THE DISSTON FILES IS ATTESTED BY THE **MILL** IONS SOLD ANNUALLY WITH SALES STILL INCREASING.



THE REPUTATION OF DISSTONS FILES HAS BEEN CONSTANTLY MAINTAINED BY **SQUARE** AND HONEST METHODS IN THEIR MANUFACTURE.

DISSTON



A PARTICULAR FARRIER PREFERS THE DISSTON **HORSE RASP** IT IS THE BEST IN ALL PARTICULARS.

DISSTON



A CUSTOMER ASKING FOR DISSTONS WILL ACCEPT NO OTHER IT PAYS TO HAVE DISSTONS ON **HAND** TO BE WITHOUT DISSTONS MEANS TO LET THE TRADE GO TO YOUR COMPETITOR.



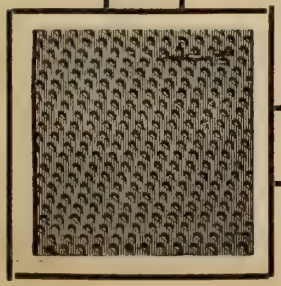
IMITATION IS THE SINCEREST **FLAT**TERY. GET THE GENUINE. LOOK FOR THE STAMP.

DISSTON

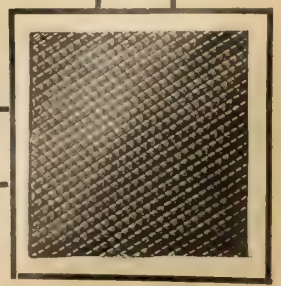
Lewis Bro's & Co.

WHOLESALE AGENTS

MONTREAL.



DISSTON



NOVA SCOTIA MARKETS.

Halifax, February 3, 1902.

BRADSTREET'S weekly review of Canadian trade, on Saturday, said of Halifax: "Cold weather stimulated certain lines at Halifax, and travellers on the road are sending in good orders." The latter may fairly refer to the hardware trade, which has shown a good average with other years. The report adds: "Collections drag somewhat, and money is rather light, but prospects are good for an average winter's trade."

* * *

The bank clearings generally are an index of trade, and the same for Nova Scotia for the week ending January 30 are given at $1,586,663.54 as compared with $1,405,634.25 for the same period of last year, or a gain of 13.04 per cent. This statement is given by a reputed Halifax stock broker and may be considered as correct. Customs receipts for January fell from $100,000 in 1901 to $95,000 this year.

* * *

Imports of hardware are as yet not extensive, but in this list for the week may be mentioned 173,500 firebrick imported by the Livonian from Glasgow, over half of which quantity is for dealers in the city. This is the largest single shipment ever made to Halifax. A chemical engine, with hose and equipment, by steamer Silvia from New York, to Austin Bros. This engine is for the town of Sydney, which, since the late fire there, has seen the advisability of being fully equipped for any emergency. The Livonian also landed here 10,000 steel billets.

* * *

Last Thursday marked another important step in the rise of Sydney to the position of the "Pittsburg of Canada." On December 30, 1901, the first steel ingots were cast at the steel works at that place, and, on January 30, the first steel billets were rolled on the opening of the blooming mill. Saturday's despatches state that the general results and the working of the steel furnaces and blooming mill have far exceeded the most sanguine expectations of the officials.

* * *

The following is the reported statement of Superintendent Baker: "We made a perfect billet of steel without a single flaw at the first roll, and every roll since has been equally as good. In fact, the mill is working as steadily as if it had been operated for years, and I have never seen finer steel blooms in all my experience in the best plants in the United States." This announcement means much for Canada.

* * *

There was quite a slump last week in stoves and stovepipe. In fitting up the concentration camp for the 2nd C.M.R., some half-dozen expensive ranges had to be purchased, some 40 base-burners, and considerably over a carload of stovepipe. At auction, on Saturday, the stovepipe was sold for the small sum of $6; $20 base-burners brought $5 to $6 by the dozen; $30 ranges sold for $10 to $12. Some of the dealers, however, were on hand, and everything was sold in large lots. R.C.H.

OVER 200 VARIETIES.

We make over 200 varieties of Stove, Furnace and Grate Bricks, and can make as many more to order, if necessary.
Large stock constantly on hand, and prompt shipment guaranteed. Write for list of Styles and Prices.

JONES BROS., Bracondale, P.O.
Sole Manufacturers of "Maple Leaf" Brand.

Lace Leather

Send direct to us for the celebrated "NIAGARA" Brand Lace Leather, best produced in this country. Yellow and White in Sides or Cut Strings. Prices and Samples on application.

WOOD BROS.
Tanners of High-Class Leathers,
ST. CATHARINES, ONT.



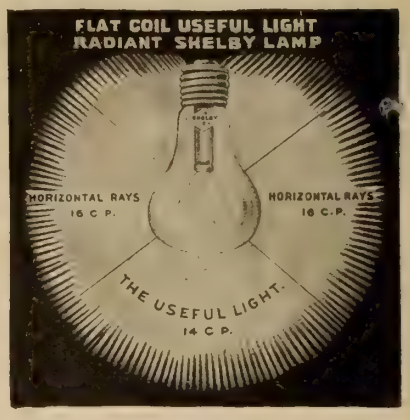
Buy the Best.



HERCULES
Sash Cord.

Star Brand Cotton Rope
Star Brand Cotton Clothes Lines
Star Brand Cotton Twine
For Sale by all Wholesale Dealers

RADIANT SHELBY LAMP



FIFTY per cent. more useful light from the same amount of current.

For sale by all dealers in Electrical Supplies.

The Ontario Lantern Co,
WALTER GROSE, Selling Agent, Montreal.
MANUFACTURERS, HAMILTON.

To Oven Builders, Etc.

The Canadian Patent Rights of **Prym's Patent Oven** (patented in thirteen countries), which has the unique benefit of being evenly heated on all six sides at the same time, are offered for sale, and can be obtained by applying to

J. CULBERT,
4 Monkwell St. LONDON, E.C., ENG.

THE LONDON SCALE WORKS
GEORGE M. FOX
(Successor to John Fox)
Manufacturer of Railroad, Hay and Platform Scales.
91 York Street, LONDON, ONT.

STANLEY RULE & LEVEL CO.,
NEW BRITAIN, CONN., U.S.A.

IMPROVED CARPENTERS' TOOLS
SOLD BY ALL HARDWARE DEALERS.

WE have the nicest set of Hose samples ever shown to the Canadian trade. Don't fail to see them.

HOSE

GARDEN
STEAM
SUCTION
ETC.

Send for samples and quotations.

WE make Hose of all kinds for all purposes. Our equipment is the most modern and our goods are perfection.

MANUFACTURED BY

THE DURHAM RUBBER CO., LIMITED

Bowmanville, Ont.

WE MANUFACTURE THE VERY BEST KINDS OF

PAINT AND COLOR CANS
VARNISH AND OIL CANS
PAINT PACKAGES
ROUND AND SQUARE PAINT IRONS
LYE TINS

Our goods are guaranteed to be reliable, and to give entire satisfaction. Quotations gladly submitted for any quantity.

THE ACME CAN WORKS

Office and Factory: Ontario St. and Jeanne D'Arc Avenue.

Jas. B. Campbell. MONTREAL. William Pratt.

GIBSON ARNOLDI & CO.

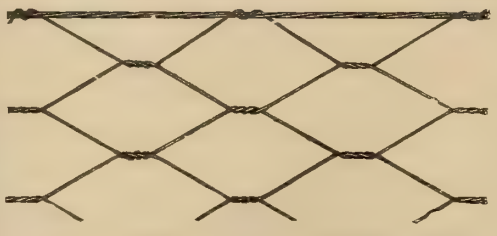
BARRISTERS, SOLICITORS, NOTARIES PUBLIC, Etc.

9 Toronto St., Toronto.

CAPITAL FURNISHED TO AID INDUSTRIAL CONCERNS.

Representatives in London, Liverpool, Manchester, Glasgow, Edinburgh, Chicago, and New York, and Paris, France.

GENERAL COMMERCIAL SOLICITORS.



First-class **FARM FENCING**

only 30 cents per ROD

For Sale by With Discount to Dealers.

The Ontario Wire Fencing Co., Limited.
PICTON, ONT.



FOR SALE

125 tons 65-lb. Relaying Steel Rails with plates.
475 tons 56-lb. Relaying Steel Rails with plates.
80 tons 25-lb. Relaying Steel Rails with plates.
30 tons 14-lb. Relaying Steel Rails with plates.

Correspondence Solicited. *IMMEDIATE DELIVERY.*

SESSENWEIN BROS., - Montreal

HINTS ON SOLDERING.

THE following is from Ironmonger, London, England: "We have previously devoted some space to a description of solders and of soldering fluxes. We now propose to complete the series by some hints on the actual process of soldering. The former notices dealt with material. We now treat of work. To begin with soft soldering, which may be done in two ways. In one the soldering-iron is used and in the other the blowpipe. The latter is preferable wherever practicable. It does better work, it gives a considerable saving in time, and less experienced and therefore less costly labor can be put upon it. Against these advantages we must place the cost of the gas. A usual form of blowpipe is a soldering-lamp, to which is provided a blast of air from a fan-bellows or pump. The flame may be either gas or petroleum. The latter possesses efficiency for soft-soldering but not for hard soldering. The mouth blowpipe is another form, but, although marvellous results can be got from it when used by an expert, some skill and practice in its use are required, and it is only occasionally found in a workshop devoted to ordinary work. The blowpipe is impossible for use in soldering tinplate, lead, zinc, Britannia-metal, and lacquered work, as it either fuses the metals or destroys the surfaces. The security of a soldered joint depends upon the amount of surface-contact of the metals being joined, and an imperfectly-made joint of large surface may be more efficient than a perfect joint when the contact of the surfaces is small in area. Hence, as much surface contact as possible should be allowed. The work should fit closely and accurately, or the solder will fall through and bad work result.

"The work should be clean. Dirt and oxide should be removed by nitric acid, commonly called 'aqua fortis,' or by the mechanical process of filing, turning, or bufiing. The soldering-flux may be applied with a brush to the parts where the solder is expected to flow, but it should not be allowed to spread beyond this area. Apply the flame of the blowpipe to the work, and with a strip of soft solder, previously dipped into soldering-flux, touch the hot surfaces. Whenever a sufficiently high temperature has been raised the solder will flow all over the surfaces smeared with the flux. If it seems to be slow in flowing more flux may be added. This serves to replace the evaporated flux, and also reduces the temperature should the work have been overheated.

"When using the soldering-iron the copper bit should be filed clean and heated sufficiently to melt the solder. Then the point should be dipped into the flux, and rubbed against the solder until it is tinned up about an inch from the point. If the bit is overheated the operation must be gone over again. Apply the flux to the surfaces of the metal with the brush, and press the solder against the bolt, when the solder will flow upon the fluxed surface and the joint is made.

"Hard soldering or brazing is a more difficult process. The borax should be in fine powder and the spelter clean. The latter may be washed with water and mixed with borax and clean water. A long-handled spoon is required to apply the solder to the work when hot. A flattened wire will do. Before applying the blowpipe care should be taken in tying the pieces of work together, unless their shapes are such that they dovetail or fit into each other naturally. This is frequently the most difficult part of the work. In making one or more butt joints in a straight line it is often necessary to adopt a device such as a strong piece of wire or 'backbone,' against which the pieces of metal may be tied. If possible the work should be tied in more than one place, and it must be remembered that two fine wires hold the work more firmly than one wire of thicker gauge. When the work is ready apply the spelter and borax to the surfaces. For certain classes of work, such as cycle-frame building, specially prepared brazing-rings, made of solder and borax, may be used. To apply the flame the blowpipe should be held sufficiently near the work so that the middle of the flame, not the tip, plays upon the metals, otherwise the borax may be oxidized before the melting point has been reached, and the solder will fail in its duty. When the two pieces of metal being brazed differ materially in thickness heat the thicker first. Should a heavy casting and a light stamping be under treatment the casting should be heated to bright red and the stamping only warmed a few seconds when the fusing-heat has been almost reached. The blowpipe must be moved about to allow the flame to heat the whole surface uniformly. Otherwise one part may have reached fusing-heat while another is still below it, the result being an imperfect union. When the proper heat has been reached apply with the spoon or iron more mixture of spelter and borax, and maintain the heat until it is seen that they have flowed between the surfaces as desired. When a metal of the precise nature of which the operator is ignorant is being soldered care should be taken to avoid overheating, as it may be found to fuse at a lower temperature than that expected. However instructive hints upon a subject like this may be, it is only by experience and observation, and possibly by a few failures, that the workman can produce work of a uniformly high quality."

E. A. WILLS BANQUETTED.

MR. E. A. WILLS, the retiring Secretary of the Toronto Board of Trade, was banqueted by his numerous friends of the National Club and the Board of Trade on Thursday evening, January 30. Mr. Edward Gurney presided. Others present, besides the guest of the evening were: J. F. Ellis, President National Club; Mr. A. E. Ames, President Board of Trade; Hon. Geo. E. Foster, Lieut.-Col. Denison, W. K. McNaught, D. E. Thomson, A. E. Kemp, M.P.; Frank Arnoldi, K.C., W. J. Gage and Geo. A. Wills, son of Mr. Wills.

Mr. Gurney, in proposing the toast, "Our Guest," paid a tribute to Mr. Wills for his modesty, his democracy, his sincerity, and his keen business faculties.

Deeply affected, Mr. Wills responded by expressing his gratitude for the many times he had been the recipient of acts of kindness during his sojurn in Toronto. He was visibly affected when he touched on his long connection with the Board of Trade and the National Club.

A resolution, making Mr. Wills an honorary life member of the club, was presented to him by President J. F. Ellis. This gift was very cordially accepted. In proposing the toast, "Trade and Commerce," Mr. Gurney said that we have at present to depend on the conditions of trade prevailing in the United States. We were not commercial but political in the making of our tariff.

Hon. Geo. E. Foster paid a fitting tribute to Mr. Wills. He said that to keep our trade something more than the flag was needed. He would like to see the whole British Empire roll up their sleeves and give the commercially hostile nations a taste of commercial war.

Mr. A. E. Ames eulogized Mr. Wills. He said we should rather take up measures to build up our own industries. We did not need to waste any time in enmity with the United States. We should be big enough to stand on our own basis.

Lieut.-Col. Denison had also something in the way of praise to be added for Mr. Wills. He strongly urged the importance of the Canadian representatives to the colonial conference in London this year being prepared with some plan of action that would be definite.

Epstein & Ein, general merchants, Louisburg, N.S., who were burned out in the Louisburg fire, have secured a new building there, where they are opening out with a full line of goods.

Welsh & Nightingale, general merchants, Vancouver, B.C., have sold their branch store on Mount Pleasant, to A. Des Brisay, and in future will confine their attention to their store on Grenville street.

John Bowman

HARDWARE & COAL CO.

LONDON, ONT.

SKATES SKATES SKATES

We have a large stock of SKATES to dispose of and will fill all orders promptly at closest prices.

Cutlery Cutlery Cutlery

Special Lines Special Prices

English and German Table and Pocket Cutlery, Cases, Carvers, Razors, Scissors, Pen and Pocket and Table Cutlery in great variety.

Special Prices.

After Stock-Taking

You will be replenishing your stock, so we wish to keep before your notice, "**Dominion**" Goods, all of which bear the following Trade Mark, which is a guarantee of quality:

SHELF GOODS — DOMINION WIRE MANUFACTG. CO. LTD. DOMINION TRADE MARK. — HEAVY GOODS

Wood Screws,
Wire Nails, (Papers),
Bright Wire Goods,
Wire Door Pulls,
Steel and Brass Jack Chain,
"Crescent" Wire Coat and Hat Hooks.

Wire Nails,
Iron and Steel,
Brass and Copper,
Hay Baling,
Pulp Binding,
Galvanized,
Barbed.

} WIRE

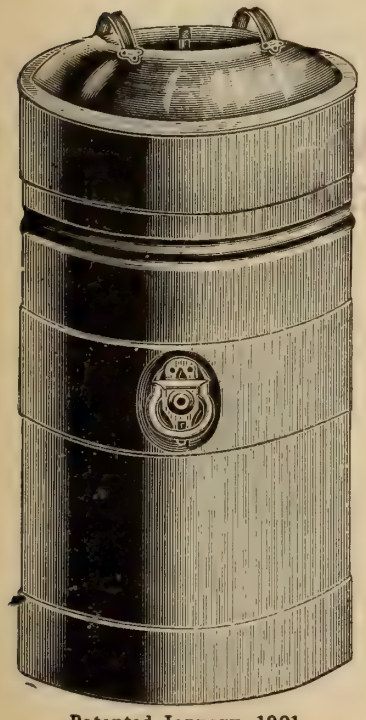
Bed, Blind, and Poultry Netting. } **STAPLES** { **Bright and Galvanized Fence.**

BROOM, MATTRESS, BOTTLING, and other wires.

Dominion Wire Manufacturing Co.

MONTREAL Limited TORONTO

ESTABLISHED 1860. INCORPORATED 1895.



Patented January, 1901.

Milk Cans AND Milk Can Trimmings

IN addition to our regular lines of Milk Cans, we have this year introduced a new feature that is sure to be appreciated by every farmer—by sinking the handles into the body of Can, making them flush with body (as shown in cut) thereby doing away with the complaint of the handle of one Can knocking holes into and bruising the other Cans.

Handles sunk in this way will carry much heavier weight, as well as stiffen body of the Cans. To distinguish this Can from our other lines, it is called the ***"Eureka."*** All our Broad Hoop Milk Cans are made with our Patent Roll Bottoms.

THE THOS. DAVIDSON MFG. CO., Limited, MONTREAL, P.Q.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

Montreal, February 7, 1902.

HARDWARE.

BUSINESS in general hardware has been good this week, on the whole, though the severe snowstorm of Monday caused a day's delay in delivering goods throughout the city and still greater delay in shipping to outside points. Orders in the city were given by telephone, while merchants in the country could not get here at all. Needless to say, business throughout the country suffered much more than in Montreal, Quebec, and other large centres. In the cities business in snowshovels was the best of any line in the trade.

No changes are to be reported in the prices of general hardware this week, though the demand on most lines for spring is more satisfactory, and gives many indications of a heavy spring business. Rolling mills and factories also report an active business this week.

BARB WIRE.—The demand keeps up. The price, per 100 lb., f.o.b. Montreal, is $3.00.

GALVANIZED WIRE.—Business in galvanized wire remains quiet. We quote: Nos. 6, 7 and 8 gauge, $3.45; No. 9, $2.80; No. 10, $3.55; No. 11, $3.65; No. 12, $2.95; No. 13, $3.05; No. 14, $4.05; No. 15, $4.55; No. 16, $4.80; No. 17, $5.20; No. 18, $5.45.

SMOOTH STEEL WIRE.—Trade is quite active. We quote bright iron and annealed on a base of $2.60 per 100 lb., f.o.b. Montreal, Toronto, Hamilton, London, St. John and Halifax. Net extras, per 100 lb. are: Coppered wire, 60c.; tinned wire, $2; oiling, 10c.; spring wire, $1.25; best steel wire, 75c.; bright soft drawn, 15c.; special hay-baling wire, 30c.

FINE WIRE.—There is not much doing. The discount is 22½ per cent.

BRASS AND COPPER WIRE.—A small business is being done. Both wires are discounted at 60 per cent.

FENCE STAPLES.—The trade in fence staples is much better this week. We quote per 100-lb. keg: Bright, $2.90; galvanized, $3.25.

WIRE NAILS.—There is no change to report in wire nails. Trade is still quiet. Our quotations are as follows: $2.55 for small lots and $2.50 for carlots f.o.b. Montreal, London, Hamilton, Toronto, Gananoque, Brantford, Windsor, Ont., St. John and Halifax.

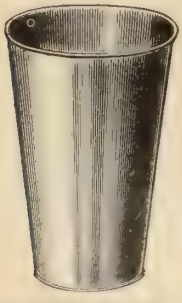
CUT NAILS.—There is a moderate inquiry. We quote: $2.35 per keg for small lots and $2.27½ in carlots. Flour barrel and coopers' nails are discounted at 40 per cent.

HORSE NAILS.—Trade is quiet. We quote as follows: "C" brand at 50 and 7½ per cent. off and "M" brand at 60 per cent. off on oval and new city heads and 66 2-3 per cent. off for new countersunk heads.

HORSESHOES.—Business has not improved to any extent. We quote: Iron shoes, light and medium pattern, No. 2 and larger, $3.50; No. 1 and smaller, $3.75; snow shoes, No. 2 and larger, $3.75; No. 1 and smaller, $4; X L steel shoes, all sizes, 1 to 5, No. 2 and larger, $3.60; No. 1 and smaller, $3.85; feather-weight, all sizes, $4.85; toe weight, steel shoes, all sizes, $5.95 f.o.b. Montreal; f.o.b. Hamilton, London and Guelph, 10c. extra.

SCREWS.—Trade in screws has been good this week. The discounts are: Flat head bright, 87½ and 10 per cent. off list; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.

BOLTS.—Bolts and nuts have been advanced in the United States, and at the next meeting of manufacturers here prices will be made to correspond. Spring orders continue to arrive freely. Our quotations are as follows: Norway carriage bolts, 60 and 5 per cent.; common, 55 and 5 per cent.; full square carriage bolts, 60 and 5 per cent.;



STRAIGHT PATTERN.



FLARING PATTERN.



Sap Pails and Spiles.

Your customers will soon need these goods and may be asking for them any time now.

If you have not yet placed your order and require either spiles or pails we can ship you any quantity the same day the order reaches us.

Sap Pails.

Made in six sizes in **both** straight and flaring patterns.

"Eureka" Cast Iron Sap Spiles.

The superiority of these spiles over all others is well known to the trade.

Tinned and Galvanized Iron, in all sizes and gauges, for Sap Pans, always in stock.

The McClary Manufacturing Co.,

LONDON, TORONTO, MONTREAL, WINNIPEG, VANCOUVER, AND ST. JOHN, N.B

DRAIN PIPES,
PORTLAND CEMENTS,
FIRE BRICKS AND CLAY
SILICA AND MAGNESIA BRICKS,
with specially prepared mortar.
Contractors' and Founders' Supplies.

F. HYDE & CO.
31 WELLINGTON ST., MONTREAL

. . FULL STOCK . .
Salt Glazed Vitrified
SEWER PIPE
Double Strength Culvert Pipe a Specialty.
THE CANADIAN SEWER PIPE CO.
HAMILTON, ONT. TORONTO, ONT.
ST. JOHNS, QUE.

Deseronto Iron Co.
LIMITED
DESERONTO, ONT.
Manufacturers of
CHARCOAL PIG IRON
BRAND "DESERONTO."
Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

The Robin Hood Powder Company
If you want the best Trap or Game load in the world, buy "Robin Hood Smokeless," in "Robin Hood" Shells. It is quick, safe, and reliable. Try it for pattern and penetration from forty to seventy yards against any powder on the market. We make the powder, we make the shells, and we load them. Write for our booklet, "Powder Facts."
The Robin Hood Powder Company
SWANTON, VT.

machine bolts, 55 and 5 per cent.; coach screws, 70 per cent.; sleigh shoe bolts, 70 per cent.; blank bolts, 60 per cent.; bolt ends, 60 per cent.; plough bolts, 55 and 5 per cent.; tire bolts, 67½ per cent.; stove bolts, 67½ per cent. To any retailer an extra discount of 5 per cent. is allowed. Nuts, square, 3½c. per lb. off list; hexagon nuts, 4c. per lb. off list. To all retailers an extra discount of ¼c. per lb. is allowed.

BUILDING PAPER.—The market is fairly active and prices are steady. Our quotations are as follows: Tarred felt, $1.70 per 100 lb.; 2-ply, ready roofing, 85c. per roll; 3-ply, $1.10 per roll; carpet felt, $2.25 per 100 lb.; dry sheathing, 35c. per roll; tar sheathing, 45c. per roll; dry fibre, 55c. per roll; tarred fibre, 65c. per roll; O.K. and I.X.L., 70c. per roll; heavy straw sheathing, $30 per ton; slaters' felt, 60c. per roll.

CORDAGE.—The demand is active and improved over last week. Our quotations are as follows: Manila, 16c.; British Manila at 13½c.; sisal, 12c. and lathyarn at 10½c. Manitoba prices are: Manila, 16c.; British manila, 14½c.; sisal, 13c. and lathyarn, 12c.

RIVETS AND BURRS.—Business is still quiet. Discounts are as follows: Best iron rivets, section, carriage, and wagon box, black rivets, tinned do., coopers' rivets and tinned swedes rivets, 60 and 10 per cent.; swedes iron burrs are quoted at 55 per cent. off; copper rivets, 35 and 5 per cent. off, and coppered iron rivets and burrs, in 5-lb. carton boxes, are quoted at 60 and 10 per cent. off list.

SCREEN WIRE CLOTH.—There is a moderate demand. The price is $1.25 per 100 square feet.

POULTRY NETTING.—The market is quiet. Canadian or English is quoted at a discount of 60 per cent. off 2 x 2 mesh, 19 wire, and 55 per cent. off 2 x 2 mesh heavier, Canadian list.

HARVEST TOOLS.—Several orders for spring delivery have been received this week and business is picking up. The discount is 70 per cent.

FIREBRICKS.—The market is very quiet. We quote: Scotch, $19 to $23.50; English, $18.50 to $22.50 per 1,000.

CEMENT.—There is very little inquiry after cement. We quote as follows: German cement, $2.30 to $2.40; English, $2.25 to $2.35; Belgian, $1.70 to $1.95 per bbl. ex-wharf, and American, $2.20 to $2.30 ex-cars.

METALS.

The metal market is fairly active at present. Pig lead has advanced 5c. Reports from the English market show an advance on Canada plate, which is expected to affect import orders here to the extent of about 20c. per box. Stocks, however, are good, owing to the late arrivals last year, and it is likely to be a few weeks before any change in prices occurs here. We quote:

PIG IRON.—Trade is fair. Summerlee is worth $21 to $21.50, and Canadian $18.50 to $19.

BAR IRON.—A moderate demand exists. Jobbers are having difficulty in obtaining the smaller sizes. Some of the small sizes in bar iron are almost impossible to get. We quote: Merchants' bar, in small lots, $1.95; horseshoe iron, $2.15 to $2.20.

BLACK SHEETS.—Though there is only a fair inquiry, prices are very stiff. Our

Sanderson's TOOL STEEL
Unequalled for Quality.
Large Assortment in Stock.
A. C. LESLIE & CO.
CANADIAN AGENTS, MONTREAL.



IRON AND BRASS
Pumps
Force, Lift and Cistern Hand and Power.
For all duties. We can supply your wants with—quality the best and prices right. Catalogues and full information for a request.
THE R. McDOUGALL CO., Limited,
Manufacturers, GALT, CANADA.

ADAM HOPE & CO.
Hamilton, Ont.
We offer for prompt shipment
Pig Tin,
L. & F. and STRAITS.
Ingot Copper, O.C.
Pig Lead.
Spelter.
Antimony.

NOVA SCOTIA STEEL & COAL CO., Limited
NEW GLASGOW, N.S.
Manufacturers of
Ferrona Pig Iron
And SIEMENS MARTIN
OPEN HEARTH STEEL.



Nobody but ourselves make **Elastilite Varnish,** and we know the reason why. "Here it is"—Because nobody else knows how and we wont tell them.

Elastilite Varnish is for either outside or inside use. Once sold always asked for. This is what builds up trade. Try a sample order.

MANUFACTURED ONLY BY

The Imperial Varnish & Color Co. LIMITED

Toronto, Ont., Canada.

"BEST PAINT EVER SOLD"

Read what our Simcoe customer says about

"Ark Brand" Paint

"Simcoe, Ont., Jan. 12th, 1901.

"MESSRS. FRANCIS-FROST CO., Toronto.

"DEAR SIRS:

"We have much pleasure in testifying to the good qualities of 'Ark Brand' paint. It gives better satisfaction than any ready-mixed paint we have ever sold, and we now handle it exclusively.

"Yours truly,

"J. AUSTIN & CO."

It will be your experience also, if you stock this celebrated brand.

THE FRANCIS-FROST CO. Limited

TORONTO.

Canadian Distributing Agents for Grippin's Crack Filler.

quotations are as follows: 28 gauge, $2.65; 26 gauge, $2.60; 20 to 24 gauge, $2.50, and 8 to 20 gauge, $2.50.

GALVANIZED IRON.—There is not much doing. We quote as follows: No. 28, Queen's Head, $4.40; Apollo, 10 oz., $4.40; Comet, $4.25 with 10c. extra in less than case lots.

INGOT COPPER.—Reports from England show a firmer tendency. The local price is 14c.

INGOT TIN.—There is a moderate trade doing. The market is slightly firmer. Straits sell for 27c.

PIG LEAD.—There is a good demand for pig lead. An advance of 5c. is noted, and prices are firm. We quote $3.20.

LEAD PIPE.—The market is quiet. We quote: Composition waste, 7½c.; ordinary, 7c. The discount is 35 per cent.

IRON PIPE.—Business is active. A new list on wrought merchant pipe, issued on February 1, is here given. For standard pipe, screwed and coupled, in lengths under 19 feet, it quotes per 100 feet, as follows: Black pipe, ⅛, $3; ¼, $2.50; ⅜, $2.75; ½, $3.15; ¾, $3.70; 1-inch, $5.25; 1¼, $7.40; 1½, $8.90; 2-inch, $12.25. Galvanized, ⅜, $3.55; ½, $4.15; ¾, $5.05; 1-inch, $7.25; 1¼, $10.10; 1½, $12.15; 2-inch, $16.55. Extra heavy pipe, plain ends, are quoted, per 100 feet, as follows: Black, ½, $4.50; ¾, $5.30; 1-inch, $7.60; 1¼, $10.60; 1½, $12.70; 2-inch, $17.30. Galvanized, ½, $5.50; ¾, $6.70; 1-inch, $9.60; 1¼, $13.30; 1½, $15.95; 2-inch, $21.60. For threads and couplings, 5 per cent. is added.

TINPLATES.—There is still only a light demand. We quote: Cokes, $4.50 per box; charcoal, $4.75 to $5.25.

CANADA PLATE.—There is a moderate business doing. Prices are firmer. Our quotations are now as follows: 52's, $2.65 to $2.70; 60's, $2.75 to $2.80; 75's, $2.80 to $2.85; full polished, $3.75, and galvanized, $4.25 to $4.35.

STEEL.—Some sizes of spring steel are hard to get. Prices are the same. We quote: Sleighshoe, $2.05; tire, $2.15; bar, $2; spring, $2.85; machinery, $3, and toecalk, $2.60.

SHEET STEEL.—There is no change. Trade is fair. We quote as follows: Nos. 10 to 20, $2.50; 3-16, $2.50; ¼, 5-16, and ⅜, $2.40.

TOOL STEEL.—Business is slow. Diamond sells for 8c., and Jessop's for 13c.

TERNE PLATES.—There is very little doing. Prices remain at $7.75 to $8.

COIL CHAIN.—An active market prevails. A great deal of chain has been shipped to Sorel, on account of the accidents in the ice jam there. We quote: No. 6, 12½c.; No. 5, 10½c.; No. 4, 10c.; No. 3, 9½c.; ¼-in., 7½c. per lb.; 5-16, $4.80; 5-16 exact, $5.25; ⅜, $4.25; 7-16, $4.05; ½, $3.85; 9-16, $3.75; ⅝, $3.55; ¾, $3.50; ⅞, $3.45; 1-in., $3.45. In carload lots an allowance of 10c. is made.

SHEET ZINC.—Trade is dull. The price is $5.75 to $6.25.

ANTIMONY.—There is only a small inquiry. We quote 10c.

ZINC SPELTER.—A very small movement. The price is 5c.

SOLDER.—The market is steady and a good demand is experienced. Bar solder is worth 18c. and wire solder 20c.

PAINTS AND OILS.

Linseed oil and turpentine are both steady on the market at present. There is an excellent demand for both of these staples, and they are being freely shipped from all the leading points. The severe storm somewhat checked the output of paints and painting materials in general, but the majority of the factories seem to be running as hard as they possibly can, having in view the expected heavy spring turnover. Shellac still keeps high. The demand for paris green has been greatly augmented of late, which fact warrants the belief that stocks in the country are very bare. If the present inquiry for paris green is maintained, it will not be long before the shortage experienced last year is repeated. Meantime, prices are firm all around. We quote:

WHITE LEAD.—Best brands, Government standard, $5.87½; No. 1, $5.50; No. 2 $5.12½; No. 3, $4.75; No. 4, $4.37½ all f.o.b. Montreal. Terms, 3 per cent. cash or four months.

DRY WHITE LEAD—$5.25 in casks; kegs, $5.50.

DRY WHITE ZINC — Pure dry, 6¼c.; No. 1, 5¼c.; in oil, pure, 7¼c.; No. 1, 6¼c.; No. 2, 5¼c.

PUTTY — We quote: Bulk, in bbls., $1.90 per 100 lb.; bulk, in less quantity, $2.05; bladders, in bbls., $2.25; bladders, in 100 or 200 lb. kegs or boxes, $2.40; in tins, $2.55 to $2.65; in less than 100-lb. lots, $3 f.o.b. Montreal, Ottawa, Toronto, Hamilton, London and Guelph. Maritime Provinces, 10c. higher, f.o.b. St. John and Halifax.

ORANGE MINERAL—Casks, 7c.; 100 lb. kegs, 7¼c.; smaller quantities, 8¼c.

RED LEAD — Genuine red lead in casks, $4.50 ; in 100-lb. kegs, $4.75 ; less quantities, $5.75 per 100 lb. No. 1 red lead, casks, $4.25 ; kegs, $4.50, and smaller quantities, $5.50.

LITHARGE—Ground, casks, 5c. ; less, 5½c. ; flake litharge, casks, $5.25 ; smalls, $5.75 per 100 lb.

LINSEED OIL—Raw, 75c.; boiled, 78c. in 5 to 9 bbls., 1c. less, 10 to 20 bbl. lots open, net cash, plus 2c. for four months. Delivered anywhere in Ontario between Montreal and Oshawa at 2c. per gal. advance and freight allowed.

TURPENTINE.—Single bbls., 67c. ; 2 to 4 bbls., 66c. ; 5 bbls. and over, open terms.

SHELLAC VARNISH — Pure white, $2.35 to $2.45 ; orange, $2.25 to $2.35.

MIXED PAINTS—$1.20 to $1.45 per gal.

CASTOR OIL—8¾ to 9¼c. in wholesale lots, and ½c. additional for small lots.

SEAL OIL—47½ to 49c.

COD OIL—32½ to 35c.

PARIS GREEN — Petroleum barrels, 16¾c. per lb.; arsenic kegs, 17c.; 50 and 100-lb. drums, 17½c.; 25-lb. drums, 18c. ; 1-lb. packages, 18½c.; ½-lb. packages, 20½c.; 1-lb. tins, 19½c.; ½-lb. tins, 21½c. f.o.b. Montreal. Terms : 3 per cent. 30 days, or four months from date of delivery.

SCRAP METALS.

Business is quite active this week on most lines. All kinds of iron continue to be very scarce, and prices are firm. Red brass is also very firm though the demand is light. There are no changes in quotations. We quote as follows : Heavy copper and wire, 10 to 10½c. per lb.; light copper, 9c.; heavy red brass, 9c.; heavy yellow, 9c.; light brass, 4c.; lead, 2⅜ to 2⅝c.; zinc, 2 to 2¼c.; iron, No. 1 wrought, $14 ; machinery scrap, $14 ; stove plate, $8 to $9 ; light iron, No. 2, $5 per ton ; malleable and steel, $4 ; rags, country, 60 to 70c. per 100 lb.; old rubbers, 6 to 6½c. per lb.

GLASS.

There is a good demand for glass, mostly for spring delivery. We quote : First break, 50 feet, $2.10 ; second, $2.20 for 50 feet ; first break, 100 feet, $4.00 ; second break, $4.20 ; third break, $4.70 ; fourth break, $4.95.

HIDES.

There is a decline of ½c. all around on hides. Trade is quiet. We quote : No. 1 hides, 7c.; No. 2, 6c.; No. 3, 5c. Lambskins are worth 65c.

MONTREAL NOTES.

Pig lead is 5c. higher.

Hides have declined ½c.

Canada plate has advanced on the English market, and when stocks on hand are exhausted, about 20c. per box is likely to be the advance here.

ONTARIO MARKETS.

Toronto, February 7, 1902.

HARDWARE.

BUSINESS is rather quiet, although it is by no means any more so than is usual at this time of the year. Most of the orders for spring delivery appear to have been booked. A number are still, however, coming to hand. Some business on autumn account is now being done. There have been a few changes in prices during the week, but not many. Paris green is 2c. lower, and a reduction of 5c. per roll has been made in certain descriptions of building paper. The movement in dairy supplies and sap buckets is active and dealers in the country are pressing for shipments.

BARB WIRE.—A few orders for spring shipment are still coming to hand, but the bulk of the business has been done. Prices were advanced $1 per ton in the United States last week. We quote f.o.b. Cleveland, $2.77½ for less than carlots, and $2.65 for carlots. From stock Toronto, $3.

GALVANIZED WIRE.—Business on spring delivery account has been pretty well satisfied. There was an advance of $1 per ton in the United States last week. We quote as follows : Nos. 6, 7 and 8, $3.50 to $3.85 per 100 lb., according to quantity ; No. 9, $2.85 to $3.15 ; No. 10, $3.60 to $3.95 ; No. 11, $3.70 to $4.10 ; No. 12, $3 to $3.30 ; No. 13, $3.10 to $3.40 ; No. 14, $4.10 to $4.50 ; No. 15, $4.60 to $5.50 ; No. 16, $4.85 to $5.35. Nos. 6 to 9 base f.o.b. Cleveland are quoted at $2.52½ in less than carlots and 12c. less for carlots of 15 tons.

SMOOTH STEEL WIRE.—An occasional order is still being received for oiled and annealed wire on future account. The base price is as follows : $2.60 per 100 lb. Oiling, 10c.; coppering, 60c., and tinning, $2 per 100 lb. extra. Delivery points Toronto, Hamilton, London and Montreal, with freights equalized on those points.

WIRE NAILS.—The demand does not show any improvement, still being light. The manufacturers in the United States, at a meeting held last week in Chicago, advanced prices 5c. per keg. Prices in Canada are unchanged. We quote as follows : $2.55 for less than carlots and $2.50 for carlots. Delivery points, Toronto, Hamilton, London, Gananoque and Montreal.

CUT NAILS.—A small business is still the feature of trade in this line. We quote base price $2.35 per keg, with 7½c. allowance on carlots.

HORSE NAILS.—Very little is being done. Discounts are as follows : "C" brand, oval head, 50 and 7½ per cent., and on "M" and other brands, 50, 10 and 5 per cent. Countersunk head 60 per cent.

HORSESHOES.—Trade continues quiet. We quote f.o.b. Toronto as follows : Iron shoes, No. 2 and larger, light, medium and heavy, $3.60 ; snow shoes, $3.85 ; light steel shoes, $3.70 ; featherweight (all sizes), $4.95 ; iron shoes, No. 1 and smaller, light, medium and heavy (all sizes), $3.85 ; snow shoes, $4 ; light steel shoes, $3.95 ; featherweight (all sizes), $4.95.

SCREWS.—Business is being fairly well maintained. Discounts are : Flat head bright, 87½ and 10 per cent.; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.; round head bronze, 65 per cent., and flat head bronze 70 per cent.

RIVETS AND BURRS.—Trade keeps fair. We quote : Iron rivets, 60 and 10 per cent.; iron burrs, 55 per cent.; copper rivets, with usual proportion of burrs, 45 and 10 per cent.; copper burrs alone, 30 and 10 per cent.

BOLTS AND NUTS.—Business is still brisk. An advance of 7½ per cent. has taken place in the United States, but no change has taken place here. We quote as follows : Carriage bolts, common ($1 list), 55 and 5 per cent.; carriage bolts, full square ($2.40 list), 60 and 5 per cent.; carriage bolts, Norway iron ($3 list), 60 and 5 per cent.; machine bolts, all sizes, 55 and 5 per cent.; coach screws, 70 per cent.



ROPE.—Trade is quiet with quotations as before. We quote : Pure manila, 16c.; British manila, 13½c.; sisal, 12c. Cables from London report the market very firm on manila hemp with business good.

CUTLERY.—Very little is being done.

SPORTING GOODS.—In all lines business is quiet.

DAIRY SUPPLIES.—The demand for milk-can trimmings is still brisk. Dealers are asking to have their orders rushed forward, and the manufacturers and wholesalers are, in consequence, very busy. The discount is 25 per cent.

TINWARE.—Business continues to improve, and during the week has been good. The discount is 40 per cent.

ENAMELLED WARE.—Business is now fairly good.

SAP BUCKETS.—Shipments are going forward freely. The discount is 40 and 10 per cent.

SCREEN DOORS.—Business on future account is keeping up well. Common doors, 2 or 3 panel, are quoted f.o.b. factory points as follows : Walnut, stained, 3-in. style, $6.80 per dozen ; stained, yellow, $7 ; natural color, oil finish, $8.15 ; 4-in. style, 20c. extra per dozen. Windows : No. 0, $1.60 ; No. 1, $1.70 ; No. 2, $1.95 ; No. 3, $2.10 ; No. 4, $2.50 per dozen.

HARVEST TOOLS.—There are still a few orders for spring delivery being booked. The discount is 70 per cent.

SPADES AND SHOVELS.—An occasional order on spring account is being received. The discount is 10 and 5 per cent.

GREEN WIRE CLOTH.—Jobbers are getting their stocks in and will soon begin to ship to their customers. Quite a few orders have been booked, although, not, perhaps, on the whole, as many as last year. We quote $1.25 per 100 square feet.

POULTRY NETTING.—Orders booked last fall are being shipped. We quote: 2-in. mesh, 19 w.g., discount, 60 per cent.; 2-in. mesh, 18 w.g. and heavier, 50 and 10 per cent.

BUILDING PAPER.—A reduction of 5c. per roll on dry sheathing, tar sheathing, dry fibre, tarred fibre, O K and I X L. Quotations on these are now as follows: Dry sheathing, grey or straw, 30c. per roll; tar sheathing, grey or straw, 40c. per roll; dry firbre, 50c. per roll; tarred fibre, 60c. per roll.

CEMENT.—The movement continues quiet, but there are bright prospects for an early spring trade, which will likely excel the trade of previous years on account of the magnitude of the building operations under way. We are quoting: Canadian Portland, Rathbun's "Star," $2.25 to $2.65; "Beaver," $2.10 to $2.50; "Ensign," $1.90 to $2.30; German, $3.15; English, $3; Belgian, $2.50 to $2.75; Canadian hydraulic, $1.25 to $1.50 per bbl.

METALS.

The metal market is still, as a rule, in a healthy and active condition. Iron and steel keep firm, and the same is to be said of such sheet metals as Canada plates, tinplates and galvanized sheets.

PIG IRON — The market is firm and the demand fair. We quote: No. 2 foundry on track Toronto at $17.50 to $18.

STEEL—The market has not lost any of its strength. On the contrary, it is advancing. The Iron Trade Review of February 6 says: "The Hamilton Iron and Steel Co., of Hamilton, Ont., is offering small lots of open-hearth billets in this district at about the price quoted by domestic manufacturers, and we note the sale of 3,000 tons during the past week at a price equivalent to $28.50, Pittsburg." Quotations by Toronto wholesalers are still as follows: Merchantable cast steel, 9 to 15c. per lb.; drill steel, 8 to 10c. per lb.; "B C" and "Black Diamond" tool steel, 10 to 11c.; Jessop's, Morton's and Firth's tool steel, 14c.; toe-calk steel, $2.85 to $3; tire steel, $2.30 to $2.50; sleighshoe steel, $2.10 to $2.25; reeled machinery steel, $3, hoop steel, $3.10.

BAR IRON—The demand keeps fairly good, with prices steady. Base price $1.95 to $2 05. Extras cut to length while rolling: 2 ft. and over, 10c. per 100 lb.; 1 ft. and under 2 ft., 15c.; under 1 ft., 20c.; over 20 ft. by special agreement, according to length and size.

BLACK SHEETS — Trade has been good during the past week. We quote as follows: Common, $3.15 for 28 gauge; and dead flat, $2.50 for 26 gauge.

CANADA PLATES—Prices are advancing in Great Britain, and orders are being booked freely here for importation. We quote as follows: All dull, $3 00; half polished, $3.10; all bright, $3.75.

GALVANIZED SHEETS—Advices from the primary markets report a stiffening in prices. Locally, quotations are as before. The demand is good. We quote: "Queen's Head" brand at $4.50 in case lots, and $4.65 in less quantities.

TIN — In London on Wednesday the market was more active and prices firm, closing at an advance of 15s. on spot and 10s. on futures. New York was quiet but firmer in price in sympathy with London. On the Toronto market, trade has been good during the past week and some fairly large quantities have changed hands. The ru'ing price is $28 per 100 lb.

TINPLATES—The market is decidedly strong in Great Britain and quotations are up 3d. to 6d. a box, as those who have tried to repeat orders placed a week ago have learned. Locally, the market is brisk with prices quotably unchanged. We quote IC, usual sizes, at $4 per box.

TINNED SHEETS—A good trade has been done during the past week in tinned sheets. We quote as follows: 72 x 30, up to 24 gauge, 7½c.; ditto, up to 26 gauge, 8c.

TERNE PLATES — Continue quiet. We quote: I C, 20 x 28 gauge, at $8 50.

COPPER—The copper market has taken a weak turn again during the last few days. On Wednesday, London opened weak, and closed 7s. 6d. below the previous day on spot, and 10s. on futures. New York was dull and weak. Locally, a good business has been done in ingot copper during the past week in small lots. In sheet copper, there have been a large number of inquiries and a good business has been done. We quote ingot at $15 per 100 lb.

BRASS—A fair business is being done in rod and sheet. The discount is 15 per cent.

SOLDER—Business is good this week. We quote: Half-and-half, guaranteed, 19c.; do. commercial, 18½c.; refined, 18c.; wiping, 17½c.

LEAD—Trade is rather quiet with the markets steady as to price. We quote: $3.50 to $3.75 for pig lead and $5 for bar.

IRON PIPE — Business is moderate. We quote: Black pipe, $5.40 for 1-inch.; galvanized, $7.95 for 1-inch.

ZINC SPELTER—Business is fairly active this week at $5.50 to $6 per 100 lb.

ZINC SHEET—An active trade is being done this week. We quote $6 to $6.25 in casks and $6 25 to $6.50 in part casks.

ANTIMONY—The demand has fallen off during the week. We quote 10c. per lb.

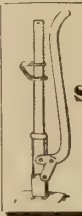
PAINTS AND OILS.

Although some wholesale houses and manufacturers of paris green are holding that product at former figures, others are quoting it at 2c. lower than before. In white leads, linseed oils, and seal can paints, there are a number of orders being booked for future delivery in March, April and May. Turpentine is active and quite firm. Gum shellac is stagnant, but the prices for it are firm and high. Prices are unchanged. We quote:

WHITE LEAD—Ex Toronto, pure white lead, $5.87½; No. 1, $5.50; No. 2. $5.12½; No. 3, $4.75; No. 4, $4.37½ in pkgs. of 25 lb. and upwards; ½c. per lb. extra will be charged for 12½-lb. pkgs.; genuine dry white lead in casks, $5.12½.

RED LEAD—Genuine, in casks of 560 lb. $5.12½; ditto, in kegs of 100 lb., $5.50; No.

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.
'WELLINGTON' KNIFE POLISH
JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
Wellington Mills, London, England.
Agent:
JOHN FORMAN, 644 Craig Street
MONTREAL


COVERT MFG. CO.
West Troy, N.Y.
Steel Carriage and Wagon Jacks,
Harness Snaps, Chain, Rope and Web Goods, etc.
FOR SALE BY JOBBERS AT MFRS. PRICES.

PRIEST'S CLIPPERS


Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., U.S.A.

NEWMAN'S PATENT
INVINCIBLE FLOOR SPRINGS
Combine all the qualities desirable in a Door Closer. They work silently and effectually, and never get out of order. In use in many of the public buildings throughout Great Britain and the Colonies.
MADE SOLELY BY
W. NEWMAN & SONS, Birmingham.

Oneida Community Goods
HALTERS, COW TIES, SNAPS, etc., etc.,
in all sizes and styles. May be had of all jobbers throughout Canada.
Factory—NIAGARA FALLS, ONT.

MACKENZIE BROS.
HARDWARE
MANUFACTURERS' AGENTS,
Travellers covering Manitoba, Northwest Territories and British Columbia.
WINNIPEG MAN.
CORRESPONDENCE SOLICITED.

"PULLMAN"
TROUSER or SKIRT HANGERS.
TWO SIZES

PULLMAN SASH BALANCE CO.,
ROCHESTER, N.Y., U.S.A.

1, in casks of 560 lb., $4 ; ditto, kegs of 100 lb., $4.50.

LITHARGE—Genuine, 6 to 6½c.

ORANGE MINERAL—Genuine, 7½ to 8c.

WHITE ZINC—Genuine, French V.M., in casks, $6 to $6.25; Lehigh, in casks, $6.

BENZINE—In barrel lots, 16½c. per gal.; less quantities, 25c. per gal.

PARIS WHITE—90c. to $1 per 100 lb.

WHITING — 65c. per 100 lb. ; Gilders' whiting, 80c.

GUM SHELLAC — In cases, 35c.; in less than cases, 40c. per lb.

LIQUID SHELLAC—Pure orange, in bbls., $2.25 to $2.35 ; white, $2.35 to $2.45 per gal.; in less quantities, 10c. extra.

PUTTY—Bladders, in bbls., $2.25; bladders, in 100 lb. kegs, $2.40; bulk in bbls., $1.90 ; bulk, less than bbls. and up to 100 lb., $2.05 ; bladders, bulk or tins, less than 100 lb., $2.90.

PLASTER PARIS—New Brunswick, $1.90 per bbl.

PUMICE STONE — Powdered, $2.50 per cwt. in bbls., and 4 to 5c. per lb. in less quantity ; lump, 10c. in small lots, and 8c. in bbls.

LIQUID PAINTS—Pure, $1.20 to $1.30 per gal.

CASTOR OIL — English, in cases, 9½ to 10c. per lb. and 10 to 10½c. for single tins.

LINSEED OIL—Raw, 1 to 4 barrels, 77c.; boiled, 80c.; 5 to 9 barrels, raw, 76c.; boiled, 79c., delivered. To Toronto, Hamilton and London, 2c. less.

TURPENTINE—Single barrels, 68c.; 2 to 4 barrels, 67c., delivered. Toronto, Hamilton and London 1c. less. For less quantities than barrels, 5c. per gallon extra will be added, and for 5-gallon packages, 50c., and 10-gallon packages, 80c. will be charged.

GLASS.

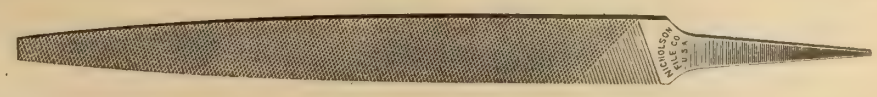
The wholesale trade in glass is quiet, but there are a few orders being received for importation. Local retail orders are good. We quote : Under 26 in., $4 25 ; 26 to 40 in., $4.65; 41 to 50 in., $5.10 ; 51 to 60 in., $5.35 ; 61 to 70 in., $5.75; 71 to 80, $6.25 ; 81 to 85, $7 ; 86 to 90, $7.75 ; Toronto, Hamilton and London. Terms, 4 months, or 3 per cent. 30 days. Discount off pane price list, 33⅓ per cent.

OLD MATERIAL.

There is not much business being done in old material, owing to the unfavorable weather. However, prices are firmer, and heavy copper, new light scrap copper and bottoms have gone up ½c. each. This is owing to the advanced prices in the United States copper market. We quote : Agricultural, 60c. per cwt. ; machinery cast, 60c. ; heavy copper, 10c½. per lb.; stove cast, 40c. ; No. 1 wrought, 50c. per 100 lb. ; new light scrap copper, 7½c. per lb.; bottoms, 8c.; coil wire, 10c.; light brass, 5c.; heavy yellow brass, 7½c. ; heavy red brass, 8c. ; scrap lead, 2¼c. ; zinc, 2c. ; scrap rubber, 6c. ; good country mixed rags, 50 to 60c.; clean dry bones, 40 to 45c. per 100 lb.

COAL.

There is a famine in cars for soft coal carriage, which has considerably reduced the receipts. Some companies have prohibited their cars being sent into Canada for an indefinite time. Soft coal for locomotive use on the railways is becoming scarcer, and some companies have indiscriminately confiscated shipments for merchants. We quote at international bridges : Grate, $4.75 per gross ton; egg, stove and nut, $5 per gross ton ; soft coal, $2.50 to $3.25 in bond, according to grade.



The Nicholson File Co.

PROVIDENCE, R.I., U.S.A.

CAST STEEL FILES AND RASPS HIGH GRADE

(FOR HOME AND EXPORT TRADE)

LARGEST FILE MANUFACTURERS IN THE WORLD.

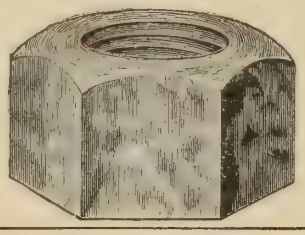
SEVEN DISTINCT FACTORIES.

The well-known Nicholson and X.F. Brands are made exclusively at our Providence works from best selected steel and by experienced workmen, and are exported to all parts of the globe and command the highest price.

The following prominent wholesale hardware merchants in Canada carry a stock of Nicholson Brand Files for the benefit of the retail trade :

H. H. Fuller & Co., Halifax, N.S.
W. H. Thorne & Co., St. John, N.B.
A. Macpherson & Son, Montreal, P.Q.
H. S. Howland, Sons & Co., Toronto, Ont.
Wood, Vallance & Co., Hamilton, Ont.
Hobbs Hardware Co., London, Ont.
J. H. Ashdown Hardware Co., Winnipeg, Man.
Geo. D. Wood & Co., Winnipeg, Man.
Thos. Dunn & Co., Vancouver, B.C.
McLennan, McFeely & Co., Vancouver, B.C.
E. G. Prior & Co., Victoria, B.C.
Hickman Tye Hardware Co., Victoria, B.C.

WALTER GROSE
MONTREAL
CANADIAN SELLING AGENT.



THE JOHN MORROW MACHINE SCREW COMPANY, Limited

Manufacturers of

Set and Cap Screws, Special Milled Work, Engine Studs, Etc. Cold Punched Nuts of every variety of finish.

INGERSOLL, ONT.

Do not place your orders for Liquid Paints until our travellers call to sell you the HIGHEST GRADE on the market

Anchor Liquid House Paints

in which the White Lead used is

Brandram's B. B. Genuine

SOLE MANUFACTURERS IN CANADA,

HENDERSON & POTTS,

HALIFAX and MONTREAL.

N.B.--OUR MONTREAL ADDRESS IS NOW, 56 WELLINGTON ST.

MARKET NOTES.

Paris green is 2c. lower.

In old material there has been an advance of ½c. in bottoms, new light scrap and heavy copper.

There is a decline of 5c. per roll in dry sheathing building paper, tar sheathing, dry fibre, tarred fibre, O K and I X L.

INDUSTRIAL GOSSIP.

PORT ARTHUR'S NEW ELEVATOR.

The Canadian Northern Elevator, just finished at Port Arthur, Ont., is one of the largest in the Dominion, having a capacity of over 1,250,000 bushels of grain. This is contained in 108 bins, each capable of holding 9,500 bushels. Ten lofters or legs, each having a capacity of 10,000 bushels per hour, supply grain to the bins, while it can be conveyed away from them by as many shipping spouts, having an equal, if not greater, capacity. The 85,000-pound scales are of the most modern type. They can weigh the largest car on the road.

The main building itself is 239 feet long and 98 feet high. It rests on over 4,000 piles and 144 concrete piers. The piles are of tamarac, the main frame of red pine, and the cribbing of hemlock. Altogether over 2,349,000 feet of lumber was used in the structure.

Engines of 750 horse-power supply light and motive power. The cylinder is 24 x 48, the fly-wheel 18 feet in diameter, and the shaft 12 feet 8 inches long. Fire protection is afforded by the latest and most perfect apparatus obtainable.

A NEW COPPER MINING CO.

The Sault Gray Copper Mining Co., Limited, has been incorporated with a share capital of $400,000. The head office is at Sault Ste. Marie, Ont. The following are the directors: J. J. Kehoe, J. A. McPhail, R. J. Gibson, J. H. Tease, J. Morin, all of Sault Ste. Marie, and W. H. Laird, of New York City.

A NEW CEMENT COMPANY.

The directors of The Colonial Cement Co., Limited, Wiarton, Ont., which has lately been incorporated, are as follows: J. T. Wright, J S. Wright, and W. H. Wright, Wiarton; D. A. Wright, E. S. Birell and E. L. Buell, Detroit. This company is capitalized at $800,000, and will establish cement works on the bay shore at some point between Wiarton and Oxenden. They will commence building their plant early next fall or the following spring. The plans for this plant are now in course of preparation, and other necessary preliminaries are being arranged.

The capital of $800,000 is divided into $300,000 preference stock and $500,000 common stock. The preference stock will bear 7 per cent. accumulative dividend, with a possible addition of 1 per cent. after payment of 7 per cent. on the common stock. There is $50,000 worth of stock being now placed on sale.

INQUIRIES ABOUT CANADIAN GOODS.

The following inquiries were recently received by the Canadian section of the Imperial Institute:

1. A company manufacturing pumps and pumping machinery is prepared to appoint a reliable Canadian firm as its resident agent.

2. A manufacturing company in a position to take considerable supplies of veneer impervious to moisture, would like to hear from Canadian houses which can furnish the material.

3. A West of England firm seeks responsible Canadian agent to take up sale of stationery novelties, gums, glues, glass, etc.

The names of the firms making the above inquiries can be obtained on application to the Editor of HARDWARE AND METAL.

CATALOGUES AND BOOKLETS.

CANADA PAINT CO.'S CATALOGUE.

The new catalogue and price list just issued by The Canada Paint Co. is probably one of the most comprehensive and useful things of the kind ever published. It is printed in large clear type, and bound in a flexible leather cover, stamped in gold. Copies are now being mailed to customers, but should any reader of HARDWARE AND METAL fail to receive one, The Canada Paint Co. will send a copy without delay, upon application.

A HANDSOME SPECIAL NUMBER.

The special edition of The Plumbers' Trade Journal, of New York, is an excellent one. Valuable contributions to the various kinds of literature on the plumbing, steamfiitting, and other allied trades, are given. Its 70 pages are full of bright and clever articles handsomely illustrated. Especially good are their series of cartoons, giving their artist's ideas on the 10 original master plumbers, from the first plumber down.

BINDER TWINE MEN MEET.

At the annual meeting of The Walkerton Binder Twine Co., Walkerton, Ont., the following were elected directors for 1902: J. W. Bundy, Walkerton; W. E. Shantz, Berlin; P. H. McKenzie, Lucknow; W. Ovens, Normanby; W. T. Whale, Goldstone; R. E. Truax, Walkerton; and Geo. E. Barrie, Galt.

The financial statement showed that there was a balance of $10,081.63 on hand, consisting of book debts, etc. There are also $15,560.85 worth of New Zealand, and $17,352 worth of manila hemp in stock. There are also 103⅞ tons of new twine, valued at $21,813.75, and 80 tons of old, at $16,000, as assets. Since last November the factory has manufactured 4,718 bales of Saugeen, 670 bales of Bruce, 311 bales of Canadian sheaf, and 241 bales of Standard Bruce, making a total of 160 tons.

Mr. James B. Campbell, of the Acme Can Works, Montreal, passed through Toronto on Saturday, en route for home.

AGENTS WANTED.

WANTED—A MANUFACTURERS' SELLING Agent for Toronto, for paper mill. Must have experience in brown, manila and print wrappings Address, with references, to Box 16, HARDWARE AND METAL, Montreal. (6)

SEPARATE SEALED TENDERS, addressed to the undersigned, will be received at this office until Tuesday, February 25, inclusively, for the construction of Armouries at the following places:

1st Revelstoke, B.C., 3rd Kaslo, B.C.
2nd Kamloops, B.C., 4th Nelson, B.C.

Plans and specifications can be seen and forms of tender obtained for Revelstoke, and Kaslo, on application to the Postmasters at those places; for Nelson, at the office of Mr. J. A. Macdonald, Architect, Nelson; for Kamloops, at the office of Mr. A. Thompson, clerk of works, Kamloops; and for all the works at the Department of Public Works, Ottawa.

Envelopes containing tenders must be endorsed "Tender for Armoury, Revelstoke"; "Tender for Armoury, Kamloops"; "Tender for Armoury, Kaslo,"; and "Tender for Armoury, Nelson" respectively.

Persons tendering are notified that tenders will not be considered unless made on the form supplied, and signed with their actual signatures.

Each tender must be accompanied by an accepted cheque on a chartered bank, made payable to the order of the Honourable the Minister of Public Works, equal to ten per cent. (10 p.c.) of the amount of the tender, which will be forfeited if the party decline to enter into a contract when called upon to do so, or if he fail to complete the work contracted for. If the tender be not accepted the cheque will be returned.

The Department does not bind itself to accept the lowest or any tender.

By order
FRED. GELINAS,
Secretary.

Department of Public Works,
Ottawa, January 25th, 1902.

Newspapers inserting this advertisement without authority from the Department, will not be paid for it.

Every Description, Shape and Colors
LABELS
Stock Labels for Hardware trade
LEVY & CO., 19 Leader Le., TORONTO

BRITISH BUSINESS CHANCES.

Firms desirous of getting into communication with British manufacturers or merchants, or who wish to buy British goods on the best possible terms, or who are willing to become agents for British manufacturers, are invited to send particulars of their requirements for

FREE INSERTION

in "Commercial Intelligence," to the Editor

'SELL'S COMMERCIAL INTELLIGENCE,'

Temple House, Tallis St., Temple Avenue, London, E.C.

"Commercial Intelligence" circulates all over the United Kingdom amongst the best firms. Firms communicating should give reference as to bona fides.

N.B.—A free specimen copy will be sent on receipt of a post card.

THE LEONARD CLEANABLE REFRIGERATORS

FOR 1902.



Panels of quarter sawed oak set in a dainty frame of beaded moulding. Finish, golden. Has sliding shelves adjustable to any height without the aid of tools. Eight walls for insulation with mineral wool filling. Air-tight locks. Flues and waste pipe removable for cleaning. No wood exposed inside. Solid iron shelves and ice rack. Self-cleaning cast iron Trap, Real bronze trimmings and Ball-bearing casters. New catalogue now ready. Secure the agency if you want the best, and easiest selling refrigerator in the world.

CANADIAN AGENTS: **McCLARY MFG. CO.**

LONDON. TORONTO. MONTREAL. WINNIPEG. VANCOUVER. ST. JOHN, N.B.

HEATING AND PLUMBING

BUILDING PERMITS IN TORONTO.

THE building operations in Toronto still continue. Indications are for a year surpassing all previous seasons. This week, from the Toronto City Commissioner's office permits were issued to Hugh Munroe, for a two-storey and attic brick dwelling on South Drive, Rosedale, for $4,500; to The R. McCausland Co., Limited, for alterations of wood and glass to their factory at 86 King street west, for $1,500; to S. McAllister, for alterations to dwelling at 213 Huron street, for $1,400; S. Hales, for a frame and rough-cast one-storey cottage on Boustead avenue, for $500; to J. W. T. Fairweather, for alterations of iron and glass to his store on Yonge street, for $1,750; to Alex. Young, for the erection of a two-storey detached brick dwelling at 60 Sully street, for $1,000; to Wm. Dunkley, for a two-storey brick residence on Lansdowne avenue, for $1,800; and Henry George, for a two-storey and attic rough-cast dwelling at 84 West Lodge avenue, for $1,000.

WANT PLUMBERS LICENSED.

There is an agitation on foot at St. Thomas, Ont., to make it compulsory for all plumbers to have a license. The supporters of this movement claim that it would greatly benefit the public health, and also aid the waterworks department, as at present there are numbers of sinks being put in without traps. There is also a good deal of unsatisfactory work being done. By licensing plumbers, all would have to pass an examination as to their capability.

In support of this movement a deputation consisting of Messrs. Hamilton, Scott and Bell, waited on No. 4 Committee of the St. Thomas City Council on January 30. As a result, a committee, consisting of Ald. Meek, Dr. Luton, and the city engineer, were appointed to meet with the water commissioners and the St. Thomas plumbers, to consider this deputation's request.

SOME BUILDING NOTES.

James Pearson intends erecting a large brick store at Wiarton, Ont.

Rev. John McGuire is erecting a new brick dwelling at Beaver Mills, Ont.

B. W. Shaver will build a new residence at Port Arthur, Ont., next spring.

At Truro, N.S., tenders are being received for the building of a new academy, to cost $30,000.

M. G. Graham will build a two-storey brick house on his farm, near Holland, Man., next summer.

McCready & Stringer are putting up a cheese factory on C. O'Connor's farm, near Long Point, Ont.

G. O. P. Claret will build a two-storey solid brick block, on Cumberland street, Port Arthur, Ont., next summer.

At Truro, N.S., John Sandfield, E. Phillips, D. B. Cummings and Dr. M. K. Langille are all going to erect new dwellings during the coming season.

During the coming summer T. Liddle, hardware merchant, of Killarney, Man., is going to erect a first-class hardware store, of solid brick, which will have all the most modern improvements.

One of the largest department stores in the Lower Provinces is to be built at Sydney, C.B., this year, for Vooght Bros. The architect is David G. Brown.

Edward Webb has purchased a partly-burned house on Yonge street, Orillia, Ont., which he will thoroughly brick and repair, converting it into a substantial residence.

BUILDING IN 1901 IN OTTAWA.

The number of building permits issued in Ottawa for the year 1901, totalled 397, as compared with 476 in 1900, 305 in 1899, and 330 in 1898. The value of the



Ald. Lamarche.

buildings erected during 1901 amounted to $1,010,100 as compared with $853,350, for 1900, an increase of $156,750 for the past year. The following is a list of the number of permits issued, the number of stone, brick, brick-veneered, and wooden buildings erected in Ottawa in 1901, and their total value:

Ward.	No. of Permits.	Total Value.
Victoria	38	$157,650
Dalhousie	79	152,500
Wellington	80	150,425
Central	110	326,150
St. George's	57	185,400
By	14	27,150
Ottawa	14	8,875
Rideau	5	1,950
Total	397	$1,010,100

PLUMBING AND HEATING NOTES.

Smith Bros. & Co., plumbers, etc., London, have dissolved. Wm. Smith is retiring.

Two building permits are all that have recently been issued at Ottawa. These were given to Mrs. F. C. Sharp, for a frame dwelling on Flora street, to cost $800, and to Wm. Lintell, for an iron-clad workshop, on Cambridge street, to cost $500.

ALD. LAMARCHE REELECTED.

Ald. Lamarche has again been reelected for the East Ward, Montreal. Mr. Lamarche is an enthusiastic member of the National Association of Master Plumbers, and he has, since he became a member of the City Council of Montreal, been an energetic advocate of efficient sanitary laws. His reelection will no doubt be gratifying to master plumbers throughout Canada.

MASTER PLUMBERS OF ST. CATHARINES.

Some of the most influential plumbers of St. Catharines, Ont., are contemplating the formation of a Master Plumbers' Association in that city. In pursuance of this they held a meeting and appointed Theo. Parnell their secretary, whom they have instructed to procure as much information as possible regarding the ways and means of organizing and the framing of a constitution.

PLUMBERS PLAY EUCHRE.

On Friday evening, January 31, the employes of W. Mashinter & Co., steamfitters, Toronto, to the number of about 35, formed a sleighing party and drove out to the Bedford House, about seven miles from Toronto on Yonge street, where they enjoyed themselves playing progressive euchre till the small hours of the morning, when prizes were distributed to the two leaders, the first, a handsome pipe, to Edward Pollit, and the second, a nice pipe also, to J. Elwood. They then feasted on the repast provided by their host, and returned home.

The John Ritchie Plumbing and Heating Co., Limited, Adelaide street east, Toronto, have secured the contract for the plumbing and hot-water heating of a new residence on South Drive, Rosedale, for Hugh Munroe, and the contract for the plumbing and gasfitting of two new residences on Withrow avenue for Frank Hillock.

W. Mashinter & Co., steamfitters, Adelaide street west, Toronto, have secured the contract for the plumbing and heating of a new building for The Pure Gold Manufacturing Co., on King street west, and the plumbing of a house on Maple avenue for W. K. Allan.



You may be looking for a Good

Pipe Hanger

Ask us about

the "Grabler."

We send you booklet illustrating the different kinds.

The James Morrison Brass Mfg. Co.

TORONTO. Limited.

RAMSAY PAINTS FOR PAINT BUSINESS

Do you want to know why **RAMSAYS PAINT** secures a paint business? Because it brings you handsome show cards, signs and easels for counter and store use; fence signs for outside advertising—all you want—bearing your own name. Color cards for your customers, booklets as well; general newspaper advertising, and cuts to assist in your own advertising, and other features continually being adopted until your customer is bound to inquire. Then you offer him a neat, attractive and handy package, nicely labelled, showing color, number, and name on the tin, and at a price that he expects to pay for the best that goes in paint making. When it gets on the side of his house it stands up against the weather as no other paint does—making things look as a house should look and keeps on looking—that satisfies him, and brings business for you as it has for others, and that reputation for **RAMSAYS PAINT** which it has had for years.



Do you want to see one of our travellers about this business for 1902?

A. RAMSAY & SON
Paint Makers,
MONTREAL.
Established 1842.

Canada Foundry Company
LIMITED

Architectural Iron { BEAMS, COLUMNS, CASTINGS, FIRE ESCAPES.

Waterworks Supplies { PIPES, SPECIALS, HYDRANTS, VALVES.

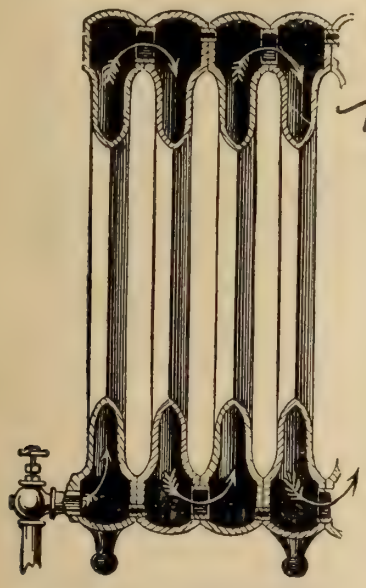
Railway Supplies { BRAKE SHOES, FROGS, SWITCHES.

Ornamental Iron { GRILLS, FENCES, RAILINGS.

General Jobbing

HEAD OFFICE:
TORONTO, ONT.

District Offices:
Montreal, Que., Halifax, N. S., Winnipeg, Man., Vancouver, B. C., Rossland, B. C.



Section View of Canada Radiators, Showing Improved Construction and Circulation.

CANADA RADIATORS

The only Radiators having positive circulation, and the only ones that will work in either steam or water.

THEIR USE MEANS
ECONOMY
in both cost of plant and fuel.

SEND FOR CATALOGUES AND PRICES.

THE FAIRBANKS COMPANY

Selling Agents, 747 and 749 Craig St., MONTREAL.

DEPRECIATION, MAINTENANCE AND INTEREST.*

By Reginald Pelham Bolton.

THE comparison of certain different apparatus, the relative economy of competing devices and the value of improvements, are affected directly by the empirical amounts chargeable against them as interest, maintenance and depreciation.

A common and very crude method appears to be to fix each item in such computations at a rate of 5 per cent. In the course of discussions with representatives of power and heat supply companies desirous of applying their systems to certain buildings, I have been confronted with an assertion that depreciation alone should be charged on independent power and heating plants at the rate of 8 per cent., and that interest should be charged upon the whole cost of the installation at the rate of 5 per cent., additional to maintenance at 5 per cent. I have, as a result of these varying and apparently hap-hazard figures, being led to make some inquiry into this question, and venture to think some conclusions gained from New York circumstances will be of interest to members of a society especially connected with the design and installation of operating machinery and appliances necessary to life and comfort.

INTEREST

In the City of New York the rates of interest on borrowed money vary, of course, with the nature of the security. In the case of buildings and factories the form of security is commonly a mortgage. First mortgages are usually obtainable up to 60 per cent. of the value of the property, and in Manhattan Island at present a rate of interest of 4 per cent. can be obtained, or in certain centrally situated properties one-half of 1 per cent. lower.

The value of some land is so great that a 60-per-cent. mortgage upon its value will suffice to erect and equip a very considerable building upon it, but where this is not the case, an owner borrowing six-tenths of the cost of his building on first mortgage may borrow the balance, if he be in good credit, at as low as 5 per cent., of banks, on note, bond or second mortgage.

In a close computation, therefore, it should be ascertained what rate of interest the money represented by a plant involves, but where the information is not obtainable it may be assumed that the rate of interest does not exceed 4 per cent. on six-tenths and 5 per cent. on four-tenths, or a mean of 4 4-10 per cent.

MAINTENANCE.

This is compounded of several elements. Cost of upkeep, replacement and precautionary measures. A reasonable amount of care must be assumed in keeping the apparatus in operating condition. Replacement provides for renewal of working parts, and painting of perishable or exposed material. Renewal of inherently renewable materials, such as packing, comes under this heading. By precautionary measures I understand all such steps as require to be taken in good time to obviate in advance the effects of age or decay.

Naturally such items vary very considerably with all kinds of apparatus, and must be taken into separate consideration.

The cost of maintenance, therefore, varies too widely to be stated as a fixed element, but must be estimated for different apparatus by the results of experience and careful foresight. In a very general way 1½ per cent. on the prime cost of a heating and ventilating plant should suffice to cover the above items and on operating machinery 2 to 4 per cent., according to conditions.

Repairs, assuming the term to deal only with accidental damage or breakage or discovery of defects, can be properly covered by insurance or by civil suit; and, if not, are to be assumed as an unknown risk. They are not a part of maintenance.

DEPRECIATION.

This is a charge which is calculated to represent the gradual deterioration of a plant, resulting in its eventual wearing out. In certain cases it has been assumed also to represent the superannuation of a plant, or, in other words, its loss of competitive power by reason of the advent of improved appliances.

In a general way I consider both these elements are overestimated. It is common to have a sweeping limit of 10 or 15 years assigned as the life of a plant, on one or other of the above grounds. While the policy of clinging to antiquated and unproductive machinery is not in consonance with modern ideas of profitable operation and is not here recommended, it must be pointed out that it is not an argument against assigning a reasonably long life to any apparatus, that its use may be found sooner or later to be less economical than improved apparatus. Such improved appliances will, if sufficiently economical, justify in their results the entire renewal of the existing plant, at an earlier date than assigned to it, and the cost of such extinguishment or partial discontinuance is to be borne by or become chargeable against the results attainable with the improved plant.

New methods may come into existence at any time and cannot be reckoned with as a fixed element in computing the useful life of any apparatus.

Again, the possibilities of remodeling are, in the case of such apparatus as the members of this society are concerned in, very often capable of renewing the life of the perishable portions of installations.

Experience in the remodeling of old plants goes to show that even in such machinery as was built a quarter of a century ago the life of rotating machinery is greater than 20 years, while in

*Paper read at the eighth annual meeting of the American Society of Heating and Ventilating Engineers, New York City, January 21-23, 1902.

APOLLO BEST BLOOM
GALVANIZED IRON

Whatever advantage belongs to galvanized iron and liberal dealing goes with Apollo.

Costs not a cent, and relieves you of much anxiety.

American Sheet Steel Company, New York

Representatives for Canada
B. & S. H. Thompson & Company
26 St. Sulpice Street
Montreal

boilers of the water-tube type, piping chimneys and much of similar apparatus it may be taken at 25 years. Pumping and hoisting machinery of similar age is quite common, in all cases assuming reasonable care and reasonable renewals, for which, as before asserted, separate charges are, of course, to be made.

From the above considerations it may be gathered that in the case of a moderate private commercial power of heating plant an assumed life of from 15 to 25 years, varying with the nature of the appliances, is proper, and for the purpose of ready calculation a mean of 21 years can safely be taken.

It is not to be supposed that an owner will regularly lay by annually a sum equal to the amount charged as depreciation, or take the trouble to arrange for its investment and the investment of its interest. It would not, in fact, pay him to do so, because the money is worth more to him in his own business than he could obtain at current rates in the market or savings banks. In practice it is therefore retained in his business or investments, and is earning the rate of interest obtainable therein. In a majority of instances where the business in which the machinery is employed is an actively constructive or manufacturing one, the assumed amount of depreciation is really earning very high rates of interest, often more than 25 per cent. per annum. Under not uncommon commercial circumstances, therefore, the assumed depreciation fund may very moderately be credited with an earning capacity of 10 per cent. compound interest. With a life of 21 years and a rate of compound interest of 10 per cent. the charge of depreciation becomes only 1½ per cent. upon the capital outlay.

It will be evident how important is the consideration of these standing charges in deciding the relative economy of machinery, but it is seldom that they are properly applied. We often learn of the adoption of apparatus designed to effect a certain economy, the cost of which, if debited with its proper charges, would outweigh the ascertained economy, and which is therefore being operated at a loss. This is particularly the case in the numerous devices for coal saving in boilers, and guarantees of a certain result are apt to be considerably counterbalanced if the proper charges are applied.

A high-duty pumping plant was offered for a large elevator service with a guaranteed saving of 15 lb. of steam per horse-power of water pumped per hour. Careful estimates showed a probable saving in fuel of $1,500 per annum by this apparatus, the additional cost of which amounted, however, to $19,000.

In case the life of the two pumps involved is taken at 20 years, and the rates of interest are as herein stated, the extra capital outlay is to be charged with

Interest, 4 4 10 per cent.	$834
Depreciation, 1½ per cent.	285
Maintenance, 3 per cent.	570
Additional oil	70
Total	$1,761

showing that the pumps will be run at a loss of $261 per annum, which capitalized at 4 4-10 per cent. represents a sum of nearly $6,000. By applying the charges to the saving guaranteed it will be seen that the saving justifies only a capital outlay of $16,780. Therefore to show any gain the cost of the improvement must be less than that figure.

The Long Distance Telephone

IS THE ∴

IDEAL RAPID TRANSIT.

Long distance equipment increases the speed, and cuts down overtime charges.

The Contract Department will furnish particulars.

THE BELL TELEPHONE CO. OF CANADA.

WESTERN Incorporated 1851.

ASSURANCE COMPANY

Fire and Marine

Capital - -	$2,000,000.00
Assets, over - -	2,900,000.00
Annual Income -	3,000,000.00

Head Office: TORONTO, ONT.

Hon. Geo. A. Cox, President. J. J. Kenny, Vice-President
C. C. Foster Secretary.

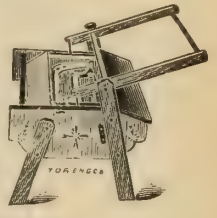


"DAISY" CHURN

Has tempered steel cased bicycle ball bear ngs, strongest, neatest and most convenient frame. Only two bolts to adjust in setting up. Steel Bow Levers, suitable for either a standing or sitting posture. Has four wheels and adjustable feet to hold stand steady while churning. When churn is locked to stand the bow can be used as handles to move it about on the front wheels as handy as a baby carriage. Open on both sides to centre, giving free space for pail. Made with wood or steel stands, with Cranks only, or Bow Levers as desired.

Vollmar Perfect Washer

Has a most enviable record. A perfection of its kind—will wash more clothes in less time, do it better and easier, with less wear and tear, than any other machine.



THE

Wortman & Ward Mfg. Co., Limited

LONDON, ONT.

Eastern Branch, 60 McGill Street, Montreal, Que.

BRUSHES, BROOMS, WOODENWARE, ETC.

Our Representatives

are now on the road with full lines of samples and revised prices, and will soon be with you. It will be to your advantage to await their arrival, as they have with them the best values on the market in our lines.

UNITED FACTORIES, Limited

Head Office, TORONTO.

OPERATING

Boeckh's Toronto Factories,
Bryan's London Factories,
Cane's Newmarket Factories.

CANADIAN BUSINESS MEN AND THE WEST INDIES.

A REPRESENTATIVE of HARDWARE AND METAL at Halifax had the pleasure of a short chat with Mr. W. A. Black, of Pickford & Black, one day last week regarding winter travel to the West Indies. Mr. Black said that the Oruro, which sails on February 10, had then over 20 passengers booked, and, by the time of her departure, would probably have quite a few more. He said that the Dahome, sailing on February 24, has also booked a number, and that they hope to see a large party on the passenger list before the ship sails. The Dahome is the boat secured by Pickford & Black to take the place of the Orinoco, which had an accident happen to her boilers when on her last trip to Demerara, and is now laid up for repairs.

The Dahome is one of the steamers of the Furness Line, and is fitted and furnished with all the modern conveniences throughout. Starting from Halifax on February 24, she will, three days later, reach the little island of Bermuda, the land of the lily and the rose, and, after about 24 hours stay at Hamilton, the capital of the Island, will proceed on a voyage to St. Kitts, a four days' sail, and one that passengers will find all too short, so beautiful are the days and so lovely are the nights.

At St. Kitts the steamer remains almost a day, and there one first sees the social and physical wonders of the tropics. Next morning Antigua is reached, and after eight or ten hours' stay, move on to Dominica; then to Montserrat and St. Lucia, the headquarters of the British garrison in the West Indies. From St. Lucia to Barbados is one night's sail, so that the steamer usually arrives at Bridgetown about daylight. Two days in Barbados and then off for Grenada, St. Vincent, and Trinidad, at the latter of which about two days more are usually spent. Then to Demerara and remain three days, long enough to get some exercise and be ready to start for home again.

Pickford & Black are especially anxious to see Canadian business men make a trip to the various islands, as they believe it will give a needed impetus to our export trade. The cost of the entire passage is only about $3 a day, from Halifax to Demerara and return to St. John, and the accommodation and attention on board the Dahome will be found to compare favorably with the best Atlantic line.

CHANGE IN FREIGHT RATES.

Commencing with February 1, a new schedule of rates went into effect on the Canadian Northern Railway lines in Manitoba. A reduction of 2c. per 100 lb. is provided for on grain, flour, oatmeal and mill stuffs. This represents a change of 11 1 9 to 13½ per cent., the chief gainers by this being points on the main line east of Winnipeg, and Portage la Prairie, Emerson, Carman, Winnipegosis, and as far as Miami on the Morris-Brandon branch. From these sections to Port Arthur the old and new rates are as follows:

	Old. c.	New. c.
On main line, all points between:		
Winnipeg and east	15	13
Portage and Winnipeg	15	13
Youill and McCreary	16	14
Laurier and Makinak	17	15
Ochre River and Cowan	18	16
Fishers and Swan River	19	17
On Morris-Brandon branch, all points between:		
Winnipeg and Miami	15	13
Altament and Brandon	16	14
On Hartney branch, all points between:		
Ninette and Fairfax	16	14
Elgin and Underhill	17	15
Argue and Hartney	18	16
All points on:		
Gilbert Plains branch	18	16
Emerson branch	15	13
Carman branch	15	13
Winnipegosis branch	18	16

THE WORLD'S COAL PRODUCTION.

AS far as can be ascertained, says Iron and Coal Trades Review, the output of coal throughout the world in the year 1900 was about 757,000,000 tons. Of this quantity, the three principal producing countries—the United States, the United Kingdom and Germany—produced 616,000,000 tons; the next four most important countries—Austria-Hungary, France, Belgium and Russia—produced 111,000,000 tons; the next five principal countries—Canada, Japan, India, New South Wales and Spain—produced 22,750,000 tons—and the balance was made up of a variety of minor countries, none of which, with the exception of South Africa, produced more than 1,000,000 tons a year. The following is a statement of the details:

THE WORLD'S PRODUCTION OF COAL.

Country.	Tons.
United States, 1900, long tons	240,965,917
Great Britain, 1900, "	225,181,300
Germany, 1900, metric tons	149,551,000
Austria-Hungary, 1899, metric tons	38,780,000
France, 1900, metric tons	33,270,000
Belgium, 1900, "	23,352,000
Russia, 1900, "	15,890,000
Canada, 1900, short tons	4,760,197
Japan, 1898, metric tons	6,761,301
India, 1899, long tons	4,937,160
New South Wales, 1900, long tons	5,506,064
Spain, 1900, metric tons	2,772,000
New Zaaland, 1899, long tons	975,234
Sweden, 1899, metric tons	239,344
Italy, 1899, "	388,534
South Africa, long tons	1,907,271
Queensland, 1899, "	494,009
Victoria, 1899, "	262,380
Natal, 1900, "	241,062
Cape Colony, 1899, long tons	186,299
Tasmania, 1899, "	44,277
Other countries	2,000,300

It is not at all improbable that the output of coal in 1901 has been materially in excess of 1900. In Germany and several other countries the output has fallen off, but against that there has been a large increase in the United States and some of the newer countries.

1902

A PHENOMENAL SUCCESS

We are now booking the largest business in Ready Mixed Paints since the Company was inaugurated. The reason is not far to seek—The Canada Paint Company are first hands in Canada for painting material of every description. We manufacture every item from start to finish, consequently, we **can**, and **do**, give the best value.

THE CANADA PAINT COMPANY LIMITED

IF the best PARIS GREEN is required insist upon this Company's make. We manufacture guaranteed PURE Paris Green.

NONE BETTER.

THE CANADA PAINT COMPANY LIMITED

"MIDLAND"
BRAND
Foundry Pig Iron.

Made from carefully selected Lake Superior Ores, with Connellsville Coke as fuel, "Midland" will rival in quality and grading the very best of the imported brands.

Write for Prices to Sales Agents

Drummond, McCall & Co.
or to MONTREAL, QUE.
Canada Iron Furnace Co.
MIDLAND, ONT. Limited

"The Peerless"
is the best Bolster Spring ever produced. A fine line for the hardware trade. Write Us For Prices.



James Warnock & Co. = Galt, Ont.

CURRENT MARKET QUOTATIONS.

February 7, 1902.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag and Straits—56 and 28 lb. ingots, 100 lb.	28 00	29 00

Tinplates.

Charcoal Plates—Bright		
M.L.S., equal to Bradley		Per box
I.C., usual sizes	....	$6 75
I.X., "	....	8 25
I.X.X., "	....	9 75
Famous—		
I.C.	....	6 75
I.X	....	8 25
I.X.X	....	9 75
Raven & Vulture Grades—		
I.C., usual sizes	....	5 00
I.X., "	....	6 00
I.X.X "	....	7 00
I.XXX., "	....	8 00
D.C., 12½x17	....	4 50
D.X	....	5 25
D.X.X	....	6 00
Coke Plates—Bright		
Bessemer Steel—		
I.C., usual sizes	....	4 00
I.C., special sizes, base	....	4 50
20 x 28	....	8 50
Charcoal Plates—Terne		
Dean or J. G. Grade—		
I.C., 20x28, 112 sheets	....	8 50
I.X., Terne Tin	....	10 50
Charcoal Tin Boiler Plates		
Cookley Grade—		Per lb.
X X., 14x56, 50 sheet bxs	....	0 06½
" 14x60, "		
" 14x65, "		
Tinned Sheets		
72x30 up to 24 gauge	....	0 07½
" 26 "	....	0 08

Iron and Steel.

Common Bar, per 100 lbs	1 95	2 05
Refined "	....	2 45
Horse Shoe Iron "	....	2 40
Hoop steel, 1½ to 3 in. base,	....	3 10
Sleigh Shoe Steel " base	....	2 10
Tire Steel	2 30	2 50
Reeled Machinery	....	3 00
Toe Calk Steel	2 85	3 00
T. Firth & Co's tool steel, per lb	0 12½	0 13
Jessop's tool Steel	....	0 14
Morton's tool steel	0 12½	0 13
Black Diamond and "B.C." tool steel	0 10	0 11
Chas. Leonard's tool steel	0 08	0 09
Dan Steel, per lb	0 08	0 10

Boiler Tubes.

1½-inch	....	0 12½
"	....	0 13
2½ "	....	0 15
3 "	....	0 16
3½ "	....	0 20
4 "	....	0 25

Steel Boiler Plate.

¼ inch	2 50	2 60
5-16 inch	2 60	2 70
⅜ inch and thicker	2 50	2 60

Black Sheets.

	Com.	D. Fl.
18 gauge	2 85	3 00
20 gauge	2 85	3 00
22 to 24 "	2 95	3 25
26 "	3 05	3 50
28 "	3 15	....

Canada Plates.

All dull, 52 sheets	....	3 00
Half polished	....	3 00
All bright	....	3 75

Black pipe—Iron Pipe.

	Per 100 Feet.
⅛ inch	4 65
¼ "	3 40
⅜ "	3 45
½ "	3 70
¾ "	3 85
1 "	5 40
1¼ "	7 70
1½ "	9 20
2 "	12 50
2½ "	24 00
3 "	28 00
3½ "	36 00
4 "	43 00
4½ "	50 00
5 "	57 00
6 "	73 00

Galvanized pipe—

⅛ inch	5 15
¾ "	5 50
1 "	7 95
1¼ "	10 80
1½ "	12 95
2 "	17 35

5 p. c. off to preferred buyers.

Galvanized Sheets.

	G O. Comet.	Amer.	Queen's Head.
16 gauge	....	....	....
18 to 24 gauge	4 05 3 75	....	4 05
26 "	4 25 4 00	....	4 25
28 "	4 50 4 25	....	4 50

Less than case lots 10 to 15c. extra.
28 gauge American equals 26 gauge English.

Chain.

Proof Coil, 3-16 in., per 100 lb	7 85	8 10
" ¼ " "	4 95	5 25
" 5-16 " "	4 35	4 60
" ⅜ " "	4 15	4 40
" 7-16 " "	4 00	4 25
" ½ " "	3 90	4 15
" 9-16 " "	3 80	4 05
" ⅝ " "	3 85	4 10
" ¾ " "		

Halter kennel and post chains, 40 to 40 and 5 p.c.
Cow ties ..... 40 p.c.
Tie-out chains ..... 65 p.c.
Stall fixtures ..... 35 p.c.
Trace chain ..... 45 p.c.
Jack chain, iron, single and double, discount 35 p c.
Jack chain, brass, single and double, dis count 40 p.c.

Copper.

	Ingot	Per 100 lb.
English B. S., ton lots	....	15 00
Lake Superior	....	....

Bars.

Cut lengths round, ½ to ⅞ in.	23 00 25 00
" round and square 1 to 2 inches	23 00 25 00

Sheet.

Plain, 14 oz., and light, 16 oz., 14x48 and 14x60	22 00 22 50
Plain, 14 oz., and light, 16 oz., irregular sizes	22 50 23 00
Tinned copper sheets	.... 24 00
Planished	.... 32 00

Braziers (In sheets.)

4x6ft. 25 to 30 lbs. ea., per lb.	.... 0 23
" 35 to 45 " "	.... 0 22
" 50-lb. and above, "	.... 0 21

Boiler and T. K. Pitts

Plain Tinned, per lb	.... 0 28
Spun, per lb	.... 0 32

Copper Ware.

Discount, 50 per cent

Brass.

Rod and Sheet, 14 to 30 gauge, 15 per cent.	
Sheets, hard-rolled, 2x4	.... 0 23
Tubing, base, per lb	.... 0 23½

Zinc Spelter

Foreign, per lb	5 50	6 00
Domestic "	...	..

Zinc Sheet.

5-cwt. casks	6 00	6 25
Part casks	6 25	6 50

Lead.

Imported Pig, per 100 lb	3 50	3 75
Bar, 1 lb	....	0 05
Sheets, 2½ lbs. sq. ft., by	....	0 06¼
Sheets, 3 to 6 lbs., "	....	0 06

NOTE.—Cut sheets ½ cent per lb. extra.
Pipe, by the roll, usual weights per yard, lists at 7c. per lb. and 35 p.c. dis. f.o.b. Toronto.
NOTE.—Cut lengths, net price, waste pipe 3-ft. lengths lists at 7½ cents.

Shot.

Common, $6.50 per 100 lb.; chilled, $7.00 per 100 lb.; buck, seal and ball, $7.50. Discount, 22½ p.c. Prices are f o.b. Toronto, Hamilton, Montreal, St. John and Halifax. Terms 3 per cent. cash, freights equalized.

Soil Pipe and Fittings.

Discount, 60 and 10 per cent. on medium and extra heavy, and 60 per cent. on light.

Solder.

	Per lb.	Per lb.
Bar half-and-half, guarant'd	....	0 19
Bar half-and-half, commer'l	....	0 18½
Refined	....	0 18
Wiping	....	0 17½

Antimony.

Cookson's, per lb	....	0 10

White Lead.

	Per 100 lb.
Pure	5 87½
No. 1	5 50
No. 2	5 12½
No. 3	4 75
No. 4	4 37½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B B. Genuine	8 25
" " No. 1	7 50

Above prices are for 25 lb and upwards.

Red Lead.

Genuine, 560 lb. casks, per cwt.	.... $4 75
Genuine, 100 lb. kegs, per cwt.	.... 5 00
No. 1, 560 lb. casks, per cwt.	.... 4 25
No. 1, 100 lb. kegs, per cwt	.... 4 50

White Zinc.

Extra Red Seal	0 06 0 08
No. 1	0 05½ 0 07
No. 2	0 05 0 06

Dry White Lead.

Pure, casks	5 25
Pure, kegs	5 50
No. 1, casks	5 00
No. 1, kegs	5 25

Prepared Paints.

In ¼, ½ and 1 gallon tins.

Pure, per gallon	.... 1 25
Second qualities, per gallon	.... 1 10
Barn (in bbls.)	0 60 0 90
The Sherwin-Williams Paints.	.... 1 40
Canada Paint Co's Pure	.... 1 25
Toronto Lead & Color Co's Pure	.... 1 20
Sanderson Pearcy's Pure	.... 1 20
Stewart & Wood's Champion Pure.	1 20

Colors in Oil.

25 lb. tins, Standard Quality.

Venetian Red, per lb	0 04½ 0 06
Chrome Yellow	0 12 0 14
Golden Ochre	0 08 0 10
French "	.... 0 06
Marine Black	.... 0 09
Chrome Green	.... 0 10
French Imperial Green	.... 0 12
Sign Writers' Black	.... 0 16
Burnt Umber	.... 0 11
" Sienna	.... 0 11
Raw Umber	.... 0 11
" Sienna	.... 0 11

Colors, Dry.

Common Ochre bbls	1 00	1 30
Yellow Ochre J.F.L.S.), bbls	...	2 00
Yellow Ochre (La Belle)	1 15	1 25
Brussels Ochre	....	2 00
Venetian Red (best), bbl	1 75	2 00
English Oxides, per cwt	3 00	3 25
American Oxides, bbls	1 25	2 00
Canadian Oxides, 1 bls	1 25	1 75
Super Magnetic Oxides, 93p.c.	2 00	2 25
Burnt Sienna, pure, per lb	....	0 10
" Umber, " "	....	0 10
do Raw	....	0 09
Drop Black, pure	....	0 09
Chrome Yellows, pure	....	0 18
Chrome Greens, pure, per lb.	0 09	0 10
Golden Ochre	0 04	0 05
Ultramarine Blue in 28-lb. boxes, per lb	0 06	0 18
Fire Proof Mineral, per 100 lb	....	1 00
Genuine Eng. Litharge, per lb	....	0 07
Mortar Color, per 100 lb	1 25	1 50
Pure Indian Red, No. 45 lb.	0 08	0 10
Whiting, bbl	0 55	0 60
English Vermillion in 20-lb. bags		0 95

Paris Green.

	per lb.
Petroleum Casks	14¾
Arsenic Kegs	15
50-lb. and 100-lb. drums	15½
25-lb. drums	16
1-lb packages	16½
½-lb. do	18½
1-lb. tins	17½
½-lb do	19½

F. O. B. Toronto. Terms—3 p. c. off 30 days, or 4 mos. from date of de ivery.

Blue Stone.

Casks, for spraying, per lb	0 07
100-lb. lots, do. per lb	0 08

Putty.

Bulk in bbls.,	1 90
Bulk in less quantity	2 05
Bladders in bbls	2 25
Bladders in kegs, boxes or loose	2 40
Bladders in 25-lb. tins	2 35
Bladders in 12½-lb. tins	2 65
Bladders in bulk or tins less than 100 lb	2 90

Varnishes.

	In 5-gal. lots. Per gal.	net.
Carriage, No. 1	1 50	1 60
Pale Durable body	4 10	4 25
" rubbing	2 85	3 00
Gold Size, Japan	2 85	3 00
No. 1 Brown Japan	..	0 85
Elastic Oak	....	1 50
Furniture, extra	....	1 25
" No. 1	....	0 85
Hard Oil Finish	1 65	1 75
Light Oil Finish	1 40	1 60
Demar	1 70	1 80
Shellac, white	2 3	2 45
" orange	2 25	2 35
Turpentine Brown Japan	....	1 25
" Black Japan	0 85	0 90
" " No. 1	0 70	0 75

Elastilite Varnish 1 gal. can, each, $3.00.
Granitine Floor Finish per gal., $2.75.

Maple Leaf Coach Enamels; Size 1, $1 20 Size 2, 70c.; Size 3, 40c. each.

Castor Oil.

East India, in cases, per lb	0 09½	0 10
" " small lots	0 10	0 10½

Cod Oil, Etc.

Cod Oil per gal	0 50	0 55
Pure Olive	....	1 20
" Neatsfoot	....	90

Glue.

Common	0 08½	0 09
French Medal	0 14	0 14½
Cabinet sheet	0 12	
White, extra	0 18	
Gelatine	0 22	0 30
Strip	0 18	
Coopers	0 19	
Buttner	....	

STEEL, PEECH & TOZER, Limited

Phœnix Special Steel Works. The Ickles, near Sheffield, England.

Manufacturers of

Axles and Forgings of all descriptions, Billets and Spring Steel, Tyre, Sleigh Shoe and Machinery Steel.

Sole Agents for Canada.

JAMES HUTTON & CO., - MONTREAL

HARDWARE.

Ammunition.

Cartridges.

B. B Caps Dom. 50 and 5 per cent
Rim Fire Pistol, dis. 40 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Central Fire Pistol and Rifle, 10 p.c. Amer.
Central Fire Cartridges, pistol sizes Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 per cent.
Central Fire, Military and Sporting, Amer. add 5 p.c. to list. B.B. Caps, discount 40 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 10 p c. advance on list.
Brass Shot Shells, 55 per cent.
Primers, Dom., 30 per cent.; American, $1.60.

Wads	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb. bags	70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	

Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 20 per cent.

Anvils.

Wright's, 80-lb. and over	0 10¾
Hay Budden, 80-lb. and over	0 09¼
Brook's, " " "	0 11¼

Augers.

Gilmour's, discount 65 and 5 p.c. off list.

Axes.

Chopping Axes		
Single bit, per doz	5 50	10 00
Double bit, "	11 00	18 00
Bench Axes, 40 p.c.		
Broad Axes, 25 per cent.		
Hunters' Axes	5 50	6 00
Boy's Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Axle Grease.

Ordinary, per gross	5 75	6 00
Best quality	13 00	15 00

Bath Tubs.

Zinc	6 00
Copper, discount 15 p.c. off revised list	

Baths.

Standard Enameled.

5½-inch rolled rim, 1st quality	25 00
" " " 2nd "	21 00

Anti-Friction Metal.

"Tandem" A per lb.	0 27
" B "	0 21
" C "	0 11½
Magnolia Anti-Friction Metal, per lb.	0 25
Frictionless metal, per lb	0 23

SYRACUSE SMELTING WORKS.

Aluminum, genuine	0 41
Dynamo	0 27
Special	0 22
Aluminum, 99 p.c. pure "Syracuse"	0 45
Phosphorine anti-friction metal	0 25

Bells.

Hand.

Brass, 60 per cent.
Nickel, 55 per cent.

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Door.

Gongs, Sargant's	5 50	8 00
" Peterboro', discount 45 per cent.		

Farm.

American, each	1 25	3 00
House.		
American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00
Blacksmiths', discount 40 per cent.		

Belting.

Extra, 60 per cent.
Standard, 60 and 10 per cent.
No. 1, not wider than 6 in., 60 10 and 10 p.c.
Agricultural, not wider than 4 in., 75 p c.

Bits.

Auger.

Gilmour's, discount 60 and 5 per cent.
Rockford, 50 and 10 per cent.
Jennings' Gen., net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind and Bed Staples.

All sizes, per lb 0 07¾ 0 12

Bolts and Nuts. Per cent.

Carriage Bolts, common ($1 list)	55 and 5
" " full square ($2.40 list)	60 and 5
" " Norway iron ($3 list)	60 and 5
Machine Bolts, all sizes	55 and 5
Plough Bolts	55 and 5
Blank Bolts	60
Bolt Ends	60
Sleigh Shoe Bolts	70
Coach Screws, cone point	70
Nuts, square, all sizes, 3¾c per lb. off.	
Nuts, hexagon, all sizes, 4c. per lb. off.	
Stove rods, per lb 5½ to 6c.	
Nuts, in 50 lb. lots ¼c. per lb extra, in less than 50 lb lots, ½c. extra.	

Boot Calks.

Small and medium, ball, per M	4 25
Small heel, per M	4 50

Bright Wire Goods.

Discount 62½ per cent

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent

Henis, No. 8		6 00
Henis, No. 9, "		7 00
Queen City "	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Building Paper, Etc.

Tarred felt, per 100 lb	1 70
Ready roofing, 2-ply, not under 45 lb. per roll	85
Ready roofing, 3-ply, not under 65 lb. per roll	1 10
Carpet felt, per ton	45 00
Dry sheathing, per roll, 400 sq. ft	30
Tar sheathing, " " "	40
Dry fibre " " "	50
Tarred fibre, " " "	60
O.K. & I.X.L., " " "	65
Resin-sized, " " "	40
Oiled sheathing, " 600 "	1 10
" " " 400 "	70
Roof coating in barrels, per gal	17
" " small packages	25
Refined tar, per barrel	4 50
Coal tar, "	4 00
Coal tar, less than barrels, per gal	15
Roofing pitch, per 100 lb	85

Bull Rings.

Copper, $2.00 for 2½ in. and $1.90 for 2 in.

Butts.

Wrought Brass net revised ist.

Cast Iron.

Loose Pin, dis., 60 per cent.

Wrought Steel

Fast Joint, dis. 65, 10 and 2½ per cent.
Loose Pin, dis. 65, 10 and 2½ per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.
Gen. Bronzed, per pair 0 40 0 65

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	8 50	9 50

Cement.

Canadian Portland	2 25	2 75
English "	3 00	3 15
Belgian "	2 50	2 75
Canadian hydraulic	1 25	1 50

Chalk.

Carpenters Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 70 per cent.
Warnock's, dis. 70 per cent.
P. S. & W. Extra 60, 10 and 5 p.c.

Churns.

Revolving Churns, metal frames—No. 0, $8—No. 1, $8.50—No. 2, $9.00—No. 3, $10.00—No. 4, $12.00—No. 5, $16.00 each. Ditto, wood frames—20c. each less than above. Discounts: Delivered from factories, 56 p.c.; from stock in Montreal, 54 p.c Terms, 4 months or 3 p.c. cash in 30 days

Clips.

Axle dis. 65 per cent.

Closets Net.

Plain York or Ontario Syphon Jet.	$9 60
Emb. York or Ontario Syphon Jet.	10 20
Fittings	1 00
Plain Elgin or Teu. Syphon Washout	6 00
Emb. Elgin or Teu. Syphon Washout	6 60
Fittings	1 25
Low Down Elgin or Teutonic, plain	9 60
" " " " emb.	10 20
Plain Richelieu	4 00
Emb. Richelieu	4 25
Connections	1 25
Low Down Ont. Sy. Jet, plain	11 70
" " " " " emb'd.	12 30
Closet connection	1 25
Basins P.O., 14 in	0 70
" oval, 17 x 14 in	1 50
" " 19 x 15 in	2 25

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Cradles, Grain.

Canadian, dis. 25 to 33⅓ per cent.

Crosscut Saw Handles.

S. & D., No. 3, per pair	17½
" " 5, "	22½
" 6, "	15
Boynto pattern "	20

Door Springs.

Torrey's Rod, per doz	(15 p.c.)	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Coach and Wagon, dis. 50 and 10 per cent
Carpenters, dis. 70 per cent.

Drills.

Hand and Breast

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis., 37½ to 40 per cent.
Standard dis. 50 and 5 to 55 per cent.

Faucets.

Common, cork-lined, dis. 35 per cent.

ELBOWS. (Stovepipe.) per doz.

5 and 6-inch, common	1 20
7-inch	1 35

Polished, 15c. per doz. extra.

ESCUTCHEONS.

Discount, 45 per cent.

ESCUTCHEON PINS.

Iron, discount 40 per cent.

FACTORY MILK CANS.

Discount off revised list, 40 per cent.

FILES AND RASPS.

Great Western	70	"	10 "
Arcade	70	"	10 "
Kearney & Foot	70	"	10 "
Disston's	70	"	10 "
American	70	"	10 "
J. Barton Smith	70	"	10 "
McClellan	70	"	10 "
Eagle	70	"	10 "
Nicholson, 60 and 10 to 60, 10 and 5			"
Royal	80		"
Globe	70 to 75		"

Black Diamond, 60 and 10 to 60, 10 and 5 p.c
Jowitt's, English list, 25 to 27½ per cent.
Nicholson File Co.'s "Simplicity" file handle per gross, 85c. to $1.50.

GLASS—Window—Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	D. Diamond Per 50 ft.	D. Diamond Per 100 ft
Under 26	2 20	4 25	....	6 25
26 to 40	2 40	4 65	....	8 75
41 to 50	....	5 10	....	7 50
51 to 60	....	5 35	....	8 50
61 to 70	....	5 75	....	70
71 to 80	....	6 25	....	11 00
81 to 85	....	7 00	....	12 55
86 to 90	....	7 75	..	15 00
91 to 95	..	....	..	17 50
96 to 100	....	....	..	20 50
101 to 105	....	....	....	24 00
106 to 110	....	....	....	27 50

GAUGES

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's, Nos. 26 to 33, each	1 65	2 40

HALTERS.

Rope, ⅜ per gross	....	....
" ½ "	....	9 00
" ⅝ to ¾ "	....	14 00
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

Maydole's, dis. 5 to 10 per cent. Can. dis. 25 to 27½ per cent.

Tack.

Magnetic, per doz	1 10	1 20

Sledge.

Canadian, per lb	0 07½	0 08⅓

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz. net	1 50	2 00
Store door, per doz	1 00	1 50

Fork.

C. & B., dis. 40 per cent. rev. list.

Hoe.

C. & B., dis. 40 per cent. rev. ist.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 37

Hammer and Hatchet.

Canadian, 40 per cent.

Cross-Cut Saws.

Canadian, per pair	0 13¾

HANGERS. doz. pairs.

Steel barn door	5 85	6 00
Stearns, 4 inch	....	5 00
" 5 inch	....	6 50

Lane's covered—

No. 11, 5-ft. run	....	8 40
No. 11½, 10-ft. run	....	10 80
No. 12, 10-ft. run	....	12 60
No. 14, 15-ft. run	....	21 00
Lane's O.N.T. track, per foot	....	4½

HARVEST TOOLS.

Discount, 70 per cent.

HATCHETS.

Canadian, dis. 40 to 42½ per cen

FOR THE STREET



THE TRADE "M&M" MARK LIGHT



FOR THE STORE

What "M & M" Lamps Do.

They give a stronger, whiter, steadier light than the electric arc. Operate easily, safely, satisfactorily. Save money—actual 600 candle-power light at a cost of one-half cent an hour. Think of it! Write for circulars, etc. GOOD AGENTS WANTED- Exclusive territory allowed.

ACORN BRASS WORKS,

Dept. 8, 15-23 Jefferson Street CHICAGO, ILL.

What "M & M" Lamps Save.

Barrett Hardware Co., Joliet Ill, write: "Gasoline and supplies for six "M & M" Lamps cost us $45.46 last year, an average of 60c. a month per lamp. We believe we had as good a light as though we had six electric arc lights at a cost of $360." No wonder that over 30,000 "M & M" Lamps are in use all over the United States and Canada. THEY KILL BIG GAS AND ELECTRIC LIGHT BILLS. It will pay you to investigate. Write for circulars. AGENTS WANTED. Dept. 8, 15-23 Jefferson St., Chicago.

HINGES.

Blind, Parker's, dis. 50 and 10 to 60 per cent.

Heavy T and strap, 4-in., per lb		0 06½
" " 5-in., "		0 06¼
" " 6-in., "		0 06
" " 8-in., "		0 05¾
" " 10-in., "		0 05½

Light T and strap, dis. 65 and 5 per cent.

Screw hook and hinge—

6 to 10 in., per 100 lbs		4 25
12 in. up, per 100 lbs		3 25
	Per gro.	pairs
Spring		12 00

HOES.

Garden, Mortar, etc., dis. 50 and 10 p.c.

Planter, per doz	4 00	4 50

HOLLOW WARE

Discount, 45 and 5 per cent.

HOOKS.

Cast Iron.

Bird Cage, per doz	0 50	1 10
Clothes Line, per doz	0 27	0 63
Harness, per doz	0 72	0 88
Hat and Coat, per gross	1 00	3 00
Chandelier, per doz	0 50	1 00

Wrought Iron.

Wrought Hooks and Staples, Can. dis. 47½ per cent.

Wire.

Hat and Coat, discount 45 per cent.

Belt, per 1,000	0 60	

Screw, bright, dis. 55 per cent.

HORSE NAILS.

"C" brand 50 and 7½ p.c. off new list } Oval-
"M" brand 50, 10 and 5 per cent. } head

Countersunk, 60 per cent.

HORSESHOES.

F.O.B. Montreal.

Iron Shoes.	No. 2 and larger.	No. 1. and smaller.
Light, medium and heavy	3 50	3 75
Snow shoes	3 75	4 00
Steel Shoes.		
Light	3 60	3 85
Featherweight (all sizes)	4 85	4 85

F.O.B. Toronto, Hamilton, London and Guelph, 10c. per keg additional.

Toe weight steel shoes		6 70

JAPANNED WARE.

Discount, 45 and 5 p.c. off list, June 1899.

ICE PICKS.

Star per doz	3 00	3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.

Copper, per lb	0 30	0 50

American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 45 p.c.

Cabinet, trunk, and padlock, Am. per gross 60

KNOBS.

Door, japanned and N.P., per doz	1 50	2 50
Bronze, Berlin, per doz	2 75	3 25
Bronze Genuine, per doz	6 00	9 00
Shutter, porcelain, F. & L screw, per gross	1 30	4 00
White door knobs—per doz.		1 25

HAY KNIVES.

Discount, 50 and 10 per cent.

LAMP WICKS.

Discount, 60 per cent.

LANTERNS.

Bull Blast, per doz		7 00
No. 3 "Wright's"		8 50
Ordinary, with O burner		4 00
Dashboard, cold blast		9 00
No. 0		5 75

Japanning, 50c. per doz. extra

LEMON SQUEEZERS.

Porcelain lined, per doz.	2 20	5 60
Galvanized	1 87	3 85
King, wood	2 75	2 90
King, glass	4 00	4 50
All glass	1 20	1 30

LINES.

Fish per gross	1 05	2 50
Chalk "	1 90	7 40

LOCKS.

Canadian, dis. 45 p.c.

Russel & Erwin, per doz	3 00	3 25

Cabinet.

Eagle, dis. 30 p.c.

Padlock.

English and Am. per doz	50	6 00
Scandinavian, "	1 00	2 40

Eagle, dis. 20 to 25 p.c.

MACHINE SCREWS. Iron and Brass.

Flat head discount 25 p.c.

Round Head discount 20 p.c.

MALLETS.

Tinsmiths' per doz	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz	3 85	5 00
Caulking each	60	2 00

MATTOCKS.

Canadian, per doz	5 50	6 50

MEAT CUTTERS.

American, dis. 25 to 30 p.c.

German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are:	Cut.	Wire.
2 d and 3d	$3 35	$3 55
3 d	3 00	3 22
4 and 5d	2 75	3 05
6 and 7d	2 65	2 90
8 and 9d	2 50	2 70
10 and 12d	2 45	2 65
16 and 20d	2 40	2 60
30, 40, 50 and 60d. (base)	2 35	2 55

Wire nails in carlots are $2 50

Galvanizing 2c. per lb. net extra.

Steel Cut Nails 10c. extra.

Miscellaneous wire nails, dis. 75 p.c.

Coopers' nails, dis. 30 per cent.

Flour barrel nails, dis. 25 per cent

NAIL PULLERS.

German and American	1 85	3 50

NAIL SETS.

Square round, and octagon per gross 3 38 4 00

Diamond	12 00	15 00

POULTRY NETTING.

2-in. Mesh 19 w.g., dis. 60 p.c.

2- n. Mesh, 18 w.g. and heav er, 50 and 10 p.c.

OAKUM. Per 100 lb.

Navy	6 00
U.S. Navy	7 25

Water White (U.S.)	0 16½
Prime White (U.S.)	0 15½
Water White (Can.)	0 15
Prime White (Can.)	0 14

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal. per doz 10 00

Zinc and tin, dis. 50, 50 and 10.

Copper, per doz	1 25	3 50
Brass, "	1 50	3 50

Malleable, dis. 25 per cent.

GALVANIZED PAILS.

Dufferin pattern pails, dis. 45 p.c.

Flaring pattern, discount 45 per cent.

Galvanized washtubs discount 45 per cent.

PIECED WARE.

Discount 40 per cent. off list, June, 1899.

10-qt. flaring sap buckets, dis. 40 p.c.

6, 10 and 14-qt. flaring pails, dis. 40 p.c.

Creamer cans, dis. 40 p.c.

PICKS.

Per doz	6 00	9 00

PICTURE NAILS.

Porcelain head, per gross	1 75	3 00
Brass head "	0 40	1 00

PICTURE WIRE.

Tin and gilt, discount 75 p c.

PLANES.

Wood, bench, Canadian dis. 40 per cent. American dis. 50.

Wood, fancy Canadian or American 7½ to 40 per cent.

PLANE IRONS.

English, per doz	2 00	5 00

PLIERS AND NIPPERS.

Button's Genuine per doz pairs, dis. 37½ 40 p.c.

Button's Imitation, per doz	5 00	9 00
German, per doz	0 60	2 60

PLUMBERS' BRASS GOODS.

Standard Compression work, dis. 60 p.c.

"J.M.T." Cushion work, dis. 50 p.c.

Fuller work, dis. 65 p.c.

6 doz. lots and over of the above, extra dis. 10 p c.

Rough Stops and Stops and Waghers, dis. 60 p c. With, in lots of 2 doz. and over, an extra dis. of 10 p.c.

"J.M.T." Globe, Agnle and Check Valves, dis 55 p.c.

Standard Globe, Angle and Check Valves, dis. 60 p.c.

"J.M.T." Radiator Valves, dis. 55 p c.

Standard " " dis., 60 p.c.

Patent Quick Opening Valves, dis. 65 p.c. and 10 p.c

No. 1 compression bath cock, net	2 00
No. 4 " " "	2 00
No. 7, Fuller's	2 20
No 4½, "	2 35
Patent Compression Cushion, basin cock, hot and cold, per doz.	15 00
Patent Compression Cushion, bath cock, No. 2208	2 25

POWDER.

Velox Smokeless Shotgun Powder.

100 lb. or less	0 85
1,000 lb. or more	0 80

Net 30 days.

PRESSED SPIKES.

Discount 25 per cent.

PULLEYS.

Hothouse, per doz	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning	0 35	2 50

PUMPS.

Canadian cistern	1 80	3 60
Canadian pitcher spout	1 40	2 10

PUNCHES.

Saddlers', per doz	1 00	1 85
Conductors's "	9 00	15 00
Tinners', solid, per set	0 00	0 72
" hollow per inch	0 00	1 00

RANGE BOILERS.

	Net.
Dominion, 35 "	6 75
" 40 "	7 75
Ronald's Galvanized, 30 gallons	6 50
" " 35 "	7 50
" " 40 "	8 50
Copper, 30 gallons	25 00
" 35 "	29 00
" 40 "	33 00

RAKES.

Wood, 10 per cent.

RAZORS.

	per doz.	
Elliot's	4 00	18 00
Geo. Butler & Co.'s	4 00	18 00
Boker's	7 50	11 00
" King Cutter	12 50	50 00
Wade & Butcher's	3 60	10 00
Theile & Quack's	7 00	12 00

REGISTERS.

Discount 40 pe n

RIVETS AND BURRS.

Iron Rivets, black and tinned, discount 60 and 10 per cent.

Iron Burrs, discount 55 per cent.

Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.

Extras on Iron Rivets in ½-lb. cartons, 1c per lb.

Copper Rivets with usual proportion burrs, 45 and 10 dis., cartons, 1c. per lb. extra, net.

Copper Burrs only, 30 and 0 p.c.

Extras on Tinned or Coppered Rivets ½-lb. cartons, 1c. per lb.

RIVET SETS

Canadian dis. 35 to 37½ per cent.

ROPE ETC.

Sisal	12
Pure Manilla	16
"British" Manilla	13½
Cotton, 3-16 inch and larger	16
" 5-32 inch	21
" ⅛ inch	22
Russia Deep Sea	15
Jute	8
Lath Yarn	10¼

RULES.

Boxwood, dis. 75 and 10 p.c.

Ivory, dis. 37½ to 40 p.c.

SAD IRONS.

	per set.
Mrs. Potts, No. 55, polished	65
" No. 50, nickle-plated	75

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.

B & A. sand, 40 and 5 per cent.

Emery, 40 per cent.

Garnet (Rurton's), 5 to 10 p.c. advance on list.

SAP SPOUTS.

Bronzed iron with hooks, per doz		9 50

SAWS.

Hand Disston's, dis. 12½ p.c.

S. & D., 40 per cent.

Crosscut, Disston's, per ft	35	0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.		
Hack, complete, each	0 75	2 75
" rame only		0 75

SASH WEIGHTS.

Sectional, per 100 lbs	2 25	2 50
Solid, "	1 75	2 00

SASH CORD.

Per lb	0 23	0 30

SAW SETS.

Lincoln' and Whiting, per doz		4 75
Hand Sets, No. 1 Woodyatt (Morrill)		4 25
X-cut sets, No. 3 Woodyatt (Morrill)		9 50

SCALES.

Standard, 45 p.c.

Champion, 55 p.c.

Spring Balances, 10 p.c.

Fairbanks Standard, 35 p.c.

" Dominion, 55 p.c.

" Richelieu, 55 p.c.

Warren's new Standard 45 p.c.

" " Champion 65 p.c.

SCREW DRIVERS.

Sargent's per doz	0 65	1 00

SCREWS

Wood, F. H., bright and steel, 87½ and 10 p.c

Wood R. H., " dis. 82½ and 10 p.c.

" F. H., brass dis. 80 and 10 p.c.

Wood, R. H., " dis. 75 and 10 p.c.

" F.H., bronze, dis. 75 p.c.

" R.H. " 70 p.c.

Drive Screws, 87½ and 10 per cent.

Bench, wood, per doz	3 25	4 00
" iron, "	4 25	5 75

Set, Case hardened, 60 per cent.

Square Cap, 50 and 5 per cent.

Hexagon Cap, 45 per cent.

SCYTHES.

Per doz, net		9 00

SCYTHE SNATHS.

Canadian, dis. 45 p.c.

SHEARS.

Bailey Cutlery Co., full nickeled, dis. 60 p.c

Seymour's, dis. 50 and 10 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SINKS.

Steel and galvanized, discount 45 per cent.

SNAPS.

Harness, German, dis. 25 p.c.		
Lock, Andrews'	4 50	11 50

SOLDERING IRONS.

1, 1½ lb., per lb		0 37
2 lb. or over, per lb		0 34

SQUARES.

Iron, No. 493, per doz	2 40	2 55
" Mo. 494, "	3 25	3 40

Steel, dis. 60. 10 and 5 p.c.

Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.

Plain, dis. 75 and 12½ p.c. off revised list

Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized	3 50	4 00
Plain	3 25	3 75

Coopers', discount 45 per cent.

Poultry netting staples, 40 per cent.

STANDARD CHAIN CO., PITTSBURGH, U. S. A.

MANUFACTURERS OF **CHAIN** OF ALL KINDS.

Proof Coil, B.B., B.B.B., Crane, Dredge Chain, Trace Chains, Cow Ties, etc.

ALEXANDER GIBB, Montreal. —Canadian Representatives— A. C. LESLIE & CO., Montreal.

For Provinces of Ontario and Quebec. For other Provinces.

STOCKS AND DIES.

American dis. 25 p.c.

STONE.	Per lb.	
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip,	0 09	0 09
Labrador	....	0 13
" Axe	....	0 15
Turkey	....	0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind. 2 in, 40 to 200 lb. per ton	....	25 00
" under 40 lb. "	....	28 00
Grind. under 2 in. thick "	....	29 00

STOVE PIPES.

5 and 6 inch Per 100 lengths	....	7 00
7 inch " "	....	7 50

ENAMELINE STOVE POLISH.

No. 4—3 dozen in case, net cash	$4 80
No. 6—3 dozen in case, "	8 40

TACKS BRADS, ETC.

Cheese-box tacks, blued ..... 80 & 12½
Trunk tacks, black and tinned 85
Carpet tacks, blued ..... 80 & 15
" " tinned ..... 80 & 20
" " (in kegs) 40
Cut tacks, blued, in dozens only .. 80
" ¼ weights 60
Swedes cut tacks, blued and tinned—
In bulk ..... 80 & 10
In dozens 75
Swedes, upholsterers', bulk .... 85, 12½ & 12½
" brush, blued & tinned, bulk .. 70
" gimp, blued, tinned and japanned ..... 75 & 12½
Zinc tacks 35
Leather carpet tacks 55
Copper tacks 50
Copper nails 52½
Trunk nails, black ..... 65 and 5
Trunk nails, tinned ..... 65 and 10
Clout nails, blued ..... 65 and 5
Chair nails 35
Patent brads 40
Fine finishing 40
Lining tacks, in papers 10
Lining tacks, in bulk 15
" " solid heads, in bulk 75
Saddle nails in papers 10
" " in bulk 15
Tufting buttons, 22 line, in dozens only 60
Tin capped trunk nails 25
Zinc glazier's points 5
Double pointed tacks, papers ..... 90 and 10
" " " bulk 40

TAPE LINES.

English, ass skin, per doz.	2 75	5 00
English, Patent Leather	5 50	9 75
Chesterman's each	0 90	2 85
" steel, each	0 80	8 00

THERMOMETERS.

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TRAPS. (Steel.)

Game, Newhouse, dis. 25 p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's discount 10 per cent.
German, per doz. 4 75 6 00
S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb.	....	0 27
Wrapping, cotton, 3-ply		0 18½
" " 4-ply	....	0 23½
Mattress, per lb.	0 33	0 45
Staging, "	0 27	0 35

VISES.

Wright's	....	0 13½
Brook's	....	0 12¾
Pipe Vise, Hinge, No. 1	....	3 50
" " " No. 2	....	5 50
Saw Vise	4 50	9 00

ENAMELLED WARE.

White, Princess, Turquoise, Blue and White, discount 50 per cent.
Diamond, Famous, Premier, 50 and 10 p.c.
Granite or Pearl, Imperial, Crescent, 50, 10 and 10 per cent.

WIRE.

SMOOTH STEEL WIRE.

No. 0-9 gauge		$2 60
10 "	6c.	extra.
11 "	12c.	"
12 "	20c.	"
13 "	30c.	"
14 "	40c.	"
15 "	55c.	"
16 "	70c.	"

Add 60c. for coppering and $2 for tinning.

Extras net per 100 lb. — Oiled wire 10c., spring wire $1.75, special hay baling wire 30c., best steel wire 75c., bright 8 ft drawn 15c., charcoal (extra quality) $1.25, packed in casks or cases 15c., bagging and papering 10c., 50 and 100-lb. bundles 10c., in 25-lb. bundles 15c., in 5 and 10-lb. bundles 25c., in 1-lb. hanks 50c., in ½-lb. hanks 75c., in ¼-lb. hanks $1.

Fine Steel Wire, dis. 22½ per cent. List of extras: In 100-lb. lots: No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, 7.65—No. 24, $8—No. 25, $9—No. 26 $9.50—No. 27, $10—No. 28, $11 No. 29. $12—No. 30, $13—No. 31, $14—No. 32 $15, No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31 $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles, 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.50 to $3 85—No. 9, $2.85 to $3.15—No. 10, $3.60 to $3.95—No. 11, $3 70 to $4.10—No. 12, $3 to $3.30—No. 13, $3.10 to $3.40—No. 14, $4.10 to $4.50—No. 15, $4.60 to $5.05—No. 16, $4.85 to $5.35. Base sizes, Nos. 6 to 9 $2.52½ f.o.b. Cleveland.
Clothes Line Wire, regular 7 strand. No. 17, $4.65; No. 18, $2.90; No. 19, $2.60. Hollow 6 strand, No. 17, $4.30; No. 18, $2.70, No. 19, $2.35; No 20, $2.30, f.o.b. Hamilton, Toronto Montreal.

WIRE FENCING.

Galvanized barb	....	3 00
Galvanized, plain twist	....	3 00
Galvanized barb, f.o.b. Cleveland, $2.77½ in less than carlots, and $2.65 in carlots		

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net .. 1 25

WASTE COTTON.

	per lb.
Colored	6
White	8

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 60 p.c.
Coe's Genuine, dis. 20 to 25 p.c.

Towers' Engineer, each	2 00	7 00
" S., per doz.	5 80	6 00
G. & K.'s Pipe, per doz.	....	3 40
Burrell's Pipe, each	....	3 00
Pocket, per doz.	0 25	2 90

WRINGERS.

Leader per doz.	$30 00	33 00
Royal Canadian	....	24 00
Royal American	....	24 00
Sampson	....	24 00

Terms 4 months, or 3 p.c. 30 days.

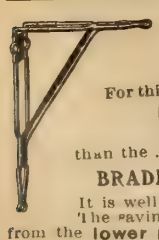
WROUGHT IRON WASHERS.

Canadian make, discount, 40 per cent.

Persons addressing advertisers will kindly mention having seen their advertisement in The Canadian Hardware and Metal Merchant.

ADVERTISING in WESTERN CANADA
will be Carefully Efficiently, and Promptly attended to, by
The Roberts Advertising Agency,
WINNIPEG CANADA.

"THE EMLYN" SAW BENCH
Made in 6 sizes. Best value obtainable. Specially designed for export With or without "Emlyn" Patent Guard. Sole maker—
CHARLES D. PHILLIPS,
Cables—"Machinery," Newport. Emlyn Engineering Works, NEWPORT, MON., ENGLAND.



Will Hold Up a Shelf!
That's what a shelf bracket is for.
For this purpose there can be
NOTHING BETTER
NOTHING CHEAPER
than the ....
BRADLEY STEEL SHELF BRACKET
It is well **Japanned, Strong** and **Light.** The saving in freight is a good profit, aside from the **lower price** at which the goods are sold.
☞ Order direct or through your jobber.
ATLAS MFG. CO., New Haven, Conn., U.S.A.

DIAMOND STOVE PIPE DAMPER.
U.S. Patent June 25th, 1895 Canadian Patent December 13th, 1894



Nickle Handle.

Made by **THE ADAMS COMPANY,** Dubuque, Iowa, U.S.A. **A. R WOODYATT & CO.,** Guelph, Ont.

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY MONTREAL.

Watch our ad. in next issue, or write to us for particulars on our patented
Automatic Door Strip and Weather Strip
Specially adapted for cold climates and takes the place of the inner window.
HELMS & HELMS, 148-50 Willow St., PHILADELPHIA.

Standard Paint & Varnish Works Limited
Makers of High Grade Varnishes, Japans, Paints, Colors & Enamels.
Windsor, Ont.



Ontario Nut Works, Paris

BROWN & CO.

Manufacturers of

All sizes of Hot Pressed Nuts, Square and Hexagon.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker,

13 St. John Street, Montreal

Representing British and American Manufacturers. Correspondence invited from firms wishing to be represented in Canada.

R. BAILEY & SON

MANUFACTURERS OF

STOVE LININGS for Ranges and Ovens.

All kinds of Fire Brick and Fire Clay Work, Paving Tile, etc.

Wholesale Only. - - Write for particulars.

1220 Yonge Street, TORONTO.

ONTARIO SILVER CO.,

Limited,

NIAGARA FALLS, CANADA.

Manufacturers of **FLATWARE, CUTLERY and ELECTRO PLATE.** . . .

Ask for our Catalogue and Quotations.

We can with confidence recommend

THE "CANDAPER" ROLL HOLDER.

It is pronounced the best working holder and cutter made—solid steel throughout, spring knife, polished nickle.

—The up-to-date dealer does not think
—of the old method of stringing up
—paper. He uses the "Candaper" Holder.

CANADA PAPER CO., Limited

TORONTO and MONTREAL

The Batty Stove & Hardware Co.

Successors to

The Toronto Branch of THE COPP BROS. CO., Limited.

Wholesale dealers in

Stoves, Ranges, Mantels, Grates, Tiles, Etc.

Hot-Air Registers.
Hot-Air Dampers.

STOVE REPAIRS FOR

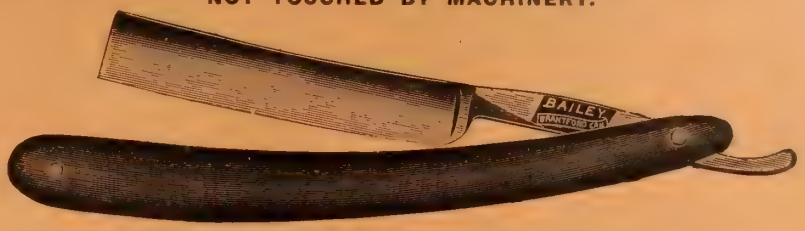
COPP AND GARLAND STOVES.

THE BATTY STOVE & HARDWARE CO.

279 Queen West, TORONTO.

HAND-FORGED **RAZORS** HAND-GROUND

NOT TOUCHED BY MACHINERY.



Fully Warranted. Ask for Catalogue.

MADE IN CANADA BY

BAILEY CUTLERY CO., LIMITED

BRANTFORD, ONTARIO.

CHAS. F. CLARK, President. **JARED CHITTENDEN, Treasurer.**

...ESTABLISHED 1849...

BRADSTREET'S

Capital and Surplus, $1,500,000. **Offices Throughout the Civilized World.**

Executive Offices: Nos. 346 and 348 Broadway, New York City, U.S.A.

THE BRADSTREET COMPANY gathers information that reflects the financial condition and the controlling circumstances of every seeker of mercantile credit. Its business may be defined as of the merchants, by the merchants, for the merchants. In procuring, verifying and promulgating information, no effort is spared, and no reasonable expense considered too great, that the results may justify its claim as an authority on all matters affecting commercial affairs and mercantile credit. Its offices and connections have been steadily extended, and it furnishes information concerning mercantile persons throughout the civilized world.

Subscriptions are based on the service furnished, and are available only by reputable wholesale, jobbing and manufacturing concerns, and by responsible and worthy financial, fiduciary and business corporations. Specific terms may be obtained by addressing the Company at any of its offices. **Correspondence Invited.**

——OFFICES IN CANADA——

HALIFAX, N.S.	HAMILTON, ONT.	LONDON, ONT.	MONTREAL, QUE.
OTTAWA, ONT.	QUEBEC, QUE.	ST. JOHN, N.B.	TORONTO, ONT.
VANCOUVER, B.C.	VICTORIA, B.C.	WINNIPEG, MAN.	

THOS. C. IRVING, Gen. Man. Western Canada, Toronto. JOHN A. FULTON, Gen. Man. Eastern Canada, Montreal.



Established 1832. Cable Address, "BLISS."

MANUFACTURERS

Wood Turnings, Hand Bench and other Screws Mallets, Handles, Vises Clamps, Tool Chests Croquet, Lithographs Wood Toys, Novelties

and also the celebrated

Wood's Patent Car Gate

For Street and Steam Railroad Cars.

The R. BLISS MFG. CO.

Pawtucket, R.I., U.S.A.

Canadian Representative: ALEXANDER GIBB, 13 St. John St., MONTREAL.

75 YEARS. ***ESTABLISHED 1825.*** ***75 YEARS.***

CELEBRATED **HEINISCH** SHEARS.

Tailors' Shears,
Trimmers, Scissors,
Tinners' Snips, etc.



ACKNOWLEDGED THE BEST.

R. HEINISCH'S SONS CO.

NEW YORK OFFICE, 90 Chambers St.
NEWARK, N.J., U.S.A.

Not connected with any Shear Combination.

Est. 1868 — Inc. 1895

Black Diamond File Works

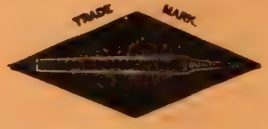
G. & H. Barnett Company

PHILADELPHIA

Twelve Medals



Awarded
By **JURORS** at
International Expositions
Special Prize
Gold Medal at Atlanta, 1895



1902 GARDEN HOSE. 1902

We manufacture the most popular and best selling lines of Garden Hose in Canada. Our "Maltese Cross" brand we confidently recommend as the finest Garden Hose on the market.

We have other grades not quite so expensive, but good reliable brands, viz.: "Lion" (the popular medium-priced hose), "King" "Sun" and "Leader."

Our "Kinkproof" (wire wound) hose is wired by a special process controlled solely by ourselves, and is so constructed that it may be cut at any wind of the wire without loosening or uncoiling, the wire being self-gripping throughout each length.

THE GUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

Head Office and Warerooms—
45-47-49 West Front St.

TORONTO,

Factories—115-165 West Lodge Ave.
124-148 O'Hara Ave.

CANADA.

Notice of

Removal

After the first day of February, 1902, our address will be

No. 53 St. Sulpice St.

Montreal.

B. & S. H. THOMPSON & CO.

CORDAGE

ALL KINDS AND FOR ALL PURPOSES.

Manila Rope	Lathyarn
Sisal Rope	Shingleyarn
Jute Rope	Bale Rope
Russian Rope	Lariat Rope
Marline	Hemp Packing
Houseline	Italian Packing
Hambroline	Jute Packing
Clotheslines	Drilling Cables
Tarred Hemp Rope	Spunyarn
White Hemp Rope	Pulp Cord
Bolt Rope	Lobster Marlin
Hide Rope	Paper Cord
Halyards	Cheese Cord
Deep Sealine	Hay Rope
Ratline	Fish Cord
Plow Lines	Sand Lines

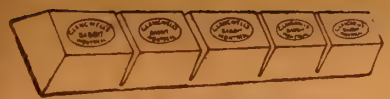
"RED THREAD" Transmission Rope from the finest quality Manila hemp obtainable, laid in tallow.

CONSUMERS CORDAGE COMPANY,

Limited

Western Ontario Representative—
WM. B. STEWART,
Tel 94. 27 Front St. West, TORONTO.

MONTREAL, QUE.



Stands Well. Facsimile of bar.

CANADIAN

HARDWARE AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XIV. MONTREAL AND TORONTO, FEBRUARY 15, 1902 NO. 7.

POCKET KNIVES

H. BOKER & COS

IMPROVED

TREE BRAND

TRADE MARK

RAZORS CUTLERY SCISSORS

FOR SALE BY LEADING WHOLESALE HARDWARE HOUSES.

"QUEEN'S HEAD"

Galvanized Iron.



More popular than ever.

Why ?

JOHN LYSAGHT, Limited, Makers, BRISTOL, ENG.

A. C. LESLIE & CO., MONTREAL, Managers Canadian Branch.

WORLD LEADERS • • •



Simple, Compact and Strong in Construction.
Unsurpassed in Heating Power.

The "Safford" is the pivot of radiator manufacturing. It embodies all the requisite qualities necessary for a perfect hot-water or steam radiator.

It's made without rods, bolts, or packing. Easy to handle. The most satisfactory every way for the dealer and the owner. Never fails.

If you haven't got our catalogue, write to us. If you want any particulars, a post card will bring them to you.

No heating system is perfect without the "Safford" Radiator.

THE DOMINION RADIATOR COMPANY, LIMITED

Head Office, Dufferin St. TORONTO, CANADA.

FINE

English Cutlery

CARVERS IN CASES
DESSERT SETS
FISH EATERS
CAKE KNIVES
BREAD FORKS, Etc.

NOVELTIES

BRASS KETTLES
CHAFING DISHES
HOT-WATER PLATES
BRASS INK STANDS
PAPERWEIGHTS, Etc.

RICE LEWIS & SON

LIMITED

Cor. King and Victoria Streets. TORONTO.

BRASS

Rods, Sheets, Tubing.

Samuel, Sons & Benjamin, London and Liverpool, Eng.

M. & L. Samuel, Benjamin & Co.

General Importers and Exporters and Metal Merchants.

27 Wellington St. West, TORONTO, ONT.

BUTLER'S

FAMOUS

Sheffield Cutlery.

Fish and Dessert Knives; Spoons and Forks;
Cabinets and Cases of Cutlery and Plate.

"BUTLER" was registered as a Trade Mark, A.D. 1768.

Sole Makers of the celebrated
"CAVENDISH" brand of Table
Knives and Carvers.
And Butler's "KEEN" Razors.

HIGHEST AWARDS. SPECIAL MENTION.

—Full Line of Samples and stock at—

GEORGE BUTLER & CO.'S

LONDON SHOWROOM: 62 HOLBORN VIADUCT, E.C.
(Over Snow Hill Station.)

MANUFACTORY:
Trinity Works, SHEFFIELD, ENG.

GARDEN HOSE

Seamless Tube.

SEAMLESS TUBE LAPPED TUBE



All brands of our **GARDEN HOSE** are made with our

Patent Seamless Tube

WRITE FOR DISCOUNTS.

The Canadian Rubber Co.

MONTREAL TORONTO WINNIPEG

Other Tools are very good Tools, but

"YANKEE TOOLS"

ARE BETTER



No. 15. "Yankee Ratchet Screw Driver, with Finger Turn on Blade.



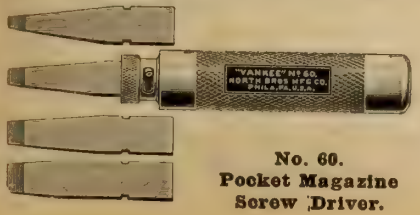
No. 30. "Yankee" Spiral-Ratchet Screw Driver, Right and Left Hand.



No. 41. "Yankee" Automatic Drill," Eight Drill Points in Handle.



No. 50. "Yankee" Reciprocating Drill, for Iron, Steel, Brass, Wood, etc.



No. 60.
Pocket Magazine
Screw Driver.

Our "YANKEE" Tool Book tells all about them. Mailed free on application. . . . . .

Manufacturers also of

LIGHTNING, GEM and BLIZZARD Ice Cream Freezers.

Toy Freezers, Ice Shaves and Ice Chippers.

Fluting Machines, Hand Fluters.

Sold by Leading Jobbers in Canada.

NORTH BROS. MFG. CO.,

Philadelphia, Pa., U.S.A.

WINDOW GLASS—TO IMPORT.

Prompt Deliveries

EVERY KIND OF PLATE AND WINDOW GLASS IN STOCK.

BENT GLASS of all kinds, our own manufacture. **Closest Prices.**

TORONTO PLATE GLASS IMPORTING CO.,

Hill & Rutherford

Warerooms and Offices—135 to 143 Victoria St.
Bending Works—209 to 213 Victoria St.

TORONTO

USE PHOSPHORINE ANTI-FRICTION METAL

It is the new discovery. Ask for particulars.

It is the only Anti-Friction Metal known to be chemically pure.



For Paper and Pulp Mills, Saw and Wood Working Machinery, Cotton and Silk Mills, Dynamos, Marine Engines, and all kinds of Machinery Bearings.

Wire, Triangular and Bar Solder, Pig Tin, Lead, Ingot Copper, Ingot Brass, Antimony, Aluminum, Bismuth, Zinc Spelter, Phosphor Tin, Phosphor Bronze, Nickle, etc., always in stock.

CANADIAN WORKS, MONTREAL, P.Q.
AMERICAN " SYRACUSE, N.Y.

Syracuse Smelting Works



Steel Frame.

DAVID MAXWELL & SONS

ST. MARYS, ONT., CANADA.

"Maxwell Favorite Churn"

PATENTED FEATURES: Improved Steel Stand, Roller Bearings, and Foot and Hand Lever Drive, and Detachable Driving Link. Improved for season of 1902. Steel or Wood Frame as desired.

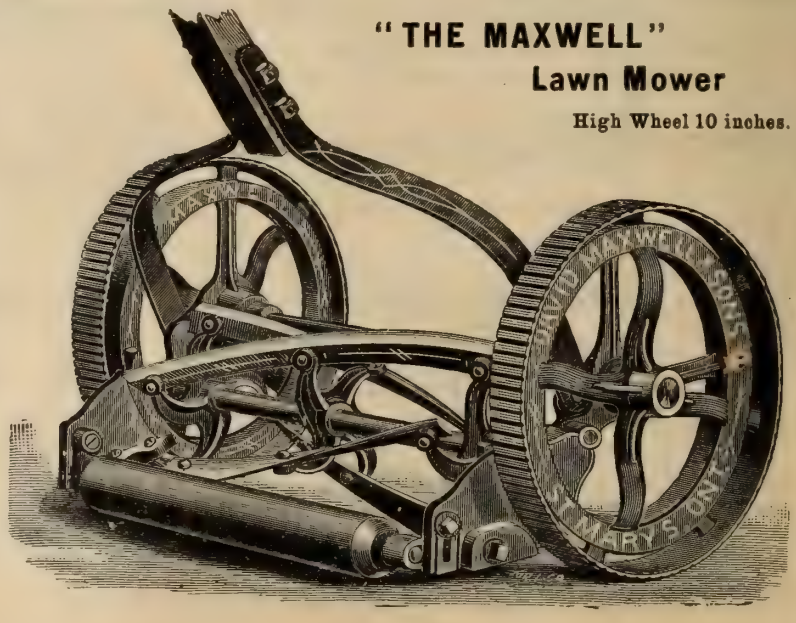
Wheelbarrows. In Four different Sizes.

Lawn Mowers. High and Low Wheels, from 12 in. to 20-in. widths. Cold Rolled Steel Shafting, Crucible Steel Knives and Cutting Plate.

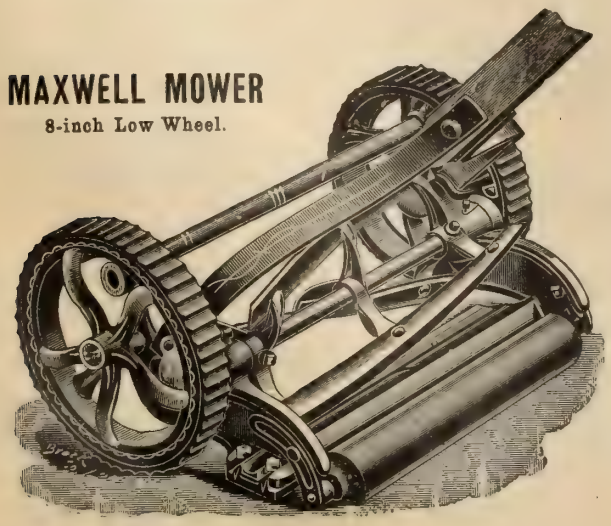
If your Wholesale House does not offer you these articles

SEND DIRECT TO US.

"THE MAXWELL"
Lawn Mower
High Wheel 10 inches.



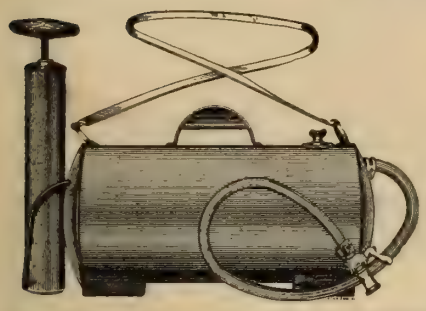
MAXWELL MOWER
8-inch Low Wheel.



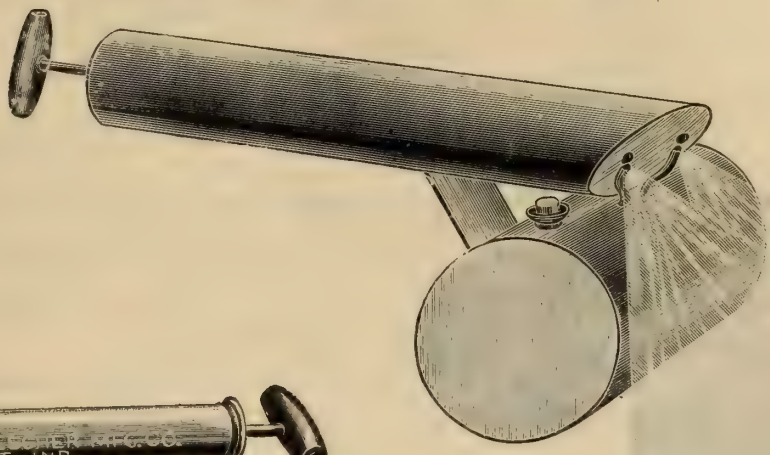
H. S. HOWLAND, SONS & CO.

ONLY WHOLESALE — 37-39 Front Street West, **Toronto.** — WHOLESALE ONLY

INSECT EXTERMINATORS.



No. 3—Galvanized Iron Tank, holding 3 gallons.
No. 3X—Copper " " 3 "



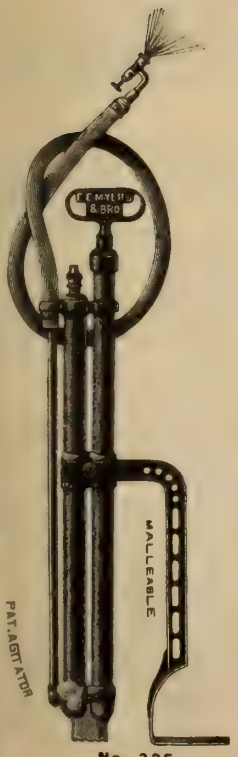
No. 3—"Lightning" Tin Pumps and Galvanized Tank.
No. 13— " Copper-Plated Pump and Brass Tank.



"Cataract," Tin, Lacquered.
" All Brass, cannot rust.

IMPROVED BRASS SPRAY PUMPS

WITH PATENT AGITATORS.



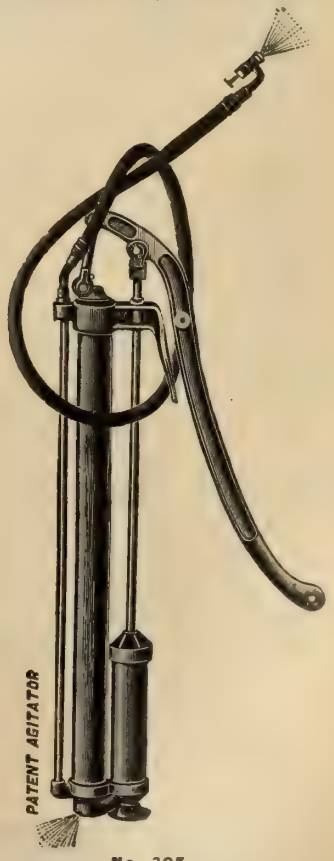
No. 325
Air Chamber, 1⅛ x 21 in.



No. 50
Air Chamber, 1⅛ x 19 in.



No. 324
Air Chamber, 1½ x 27 in.



No. 305
Air Chamber, 2 x 30 in.

FOR FULLER PARTICULARS WRITE US FOR PRICES.

H. S. HOWLAND, SONS & CO., Toronto.

OUR PRICES ARE RIGHT — Graham Nails are the Very Best. — WE SHIP PROMPTLY

Factory: Dufferin Street, Toronto.

HENRY ROGERS, SONS & CO.,

SHEFFIELD, ENGLAND

Manufacturers of the celebrated

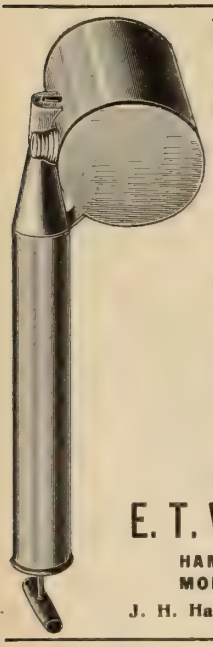


CANADA TIN PLATES

Canadian Office:

6 ST. SACRAMENT ST., MONTREAL

F. A. YORK, Manager.



WRIGHT'S Insect Sprayers

PLAIN TIN,
LACQUERED,
ALL BRASS.

"BEST ON EARTH."

Manufactured by

E. T. WRIGHT & CO.

HAMILTON, ONT., and
MONTREAL, QUE.

J. H. Hanson, Agent, Montreal.

KNOX HENRY

Heavy Hardware and Metal Broker
Room 32, Canada Life Bldg., MONTREAL.



Samples sent free on application.

HORSE NAILS — "C." Brand Horse - Nails
Canada Horse Nail Co.

"BRASSITE" GOODS — Gunn Castor Co.
Limited, Birmingham, Eng.

McCaskill, Dougall & Co
Fine Varnish & Japan
Manufacturers.
Montreal.
Price Lists on application

CHURCH'S COLD WATER

ALABASTINE

The demand for **ALABASTINE** comes with the opening of Spring, and continues all Summer.

Is your assortment complete, in all tints and white? Remember, "It is the early bird that catches the worm." The claim that "It is the early worm that gets caught," will not apply when stocking **ALABASTINE.** The dealer who gets **"CAUGHT"** is the one who, on the pretence that he is to have exclusive sale, or for any other reason, buys goods that are not in demand, and that have neither record of value nor proof of origin.

ALABASTINE is the only permanent wall coating ready for use by the addition of Cold Water, made so by the inventor, Mr. M. B. Church, who was the first to produce a cold water preparation that is thoroughly practical, that has superseded all hot water mixtures, and forced other manufacturers to **UNDERTAKE** the use of the cold water process.

ALABASTINE is made in Canada, by Canadian labor, and from Canadian materials. Twenty beautiful tints and white. Never sold in bulk.

The trade supplied by Wholesale Hardware and Paint Dealers. Also by

THE ALABASTINE CO., LIMITED, PARIS, ONT.

STEVENS-MAYNARD JR. RIFLE

The Young Gentleman's Rifle.



The Young Gentleman's Rifle.

If you want the best cheap rifle ever made we have it in the Stevens-Maynard Jr. It will be a great seller this year. Better place order now.

The leading Jobbers handle Stevens products.

J. Stevens Arms & Tool Co., P.O. Box 217 **Chicopee Falls, Mass., U.S.A.**

THE INDEPENDENT CORDAGE CO., Limited,

TORONTO.

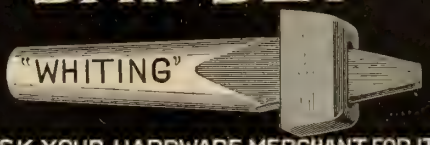
Highest Award Pan-American Exposition

MANUFACTURERS OF ALL KINDS OF

SISAL MANILA **ROPE,** Lath Yarn, Shingle Yarn, Hide Cord, Pulp Cord, Clothes Lines. **BINDER TWINE**

Transmission Rope a specialty.

FOR LUMBERMEN. **SAW-SET** FOR CROSS-CUTS ONLY.



ASK YOUR HARDWARE MERCHANT FOR IT
TAKE NO OTHER. FAILING TO DO ITS WORK YOUR MONEY WILL BE RETURNED
R. DILLON, OSHAWA ONT.

SELL GOODS THAT MAKE YOUR CUSTOMERS HAPPY

"English Steel Scythes"
Champion Saw Tools
Axes, etc.

R. Dillon, Oshawa, Ont.

H. & R. SINGLE GUN AUTOMATIC AND NON-EJECTING.

12 and 16 Gauges.
Steel and Twist Barrels.

Superior in Design, Workmanship and Finish, and the most popular Gun on the Market.

Simplest "Take Down" Gun Made.



HARRINGTON & RICHARDSON ARMS CO.
Also makers of H. & R. Revolvers,
Catalog on request. Worcester, Mass., U.S.A.

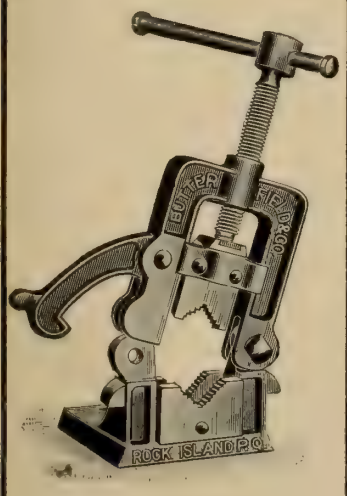
WE ARE HEADQUARTERS FOR

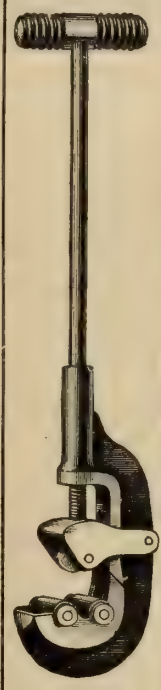
IRON PIPE

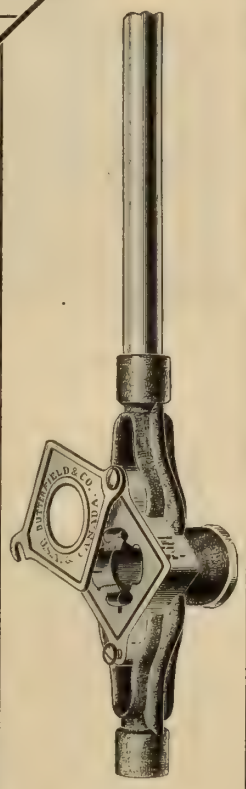
PIPE FITTINGS

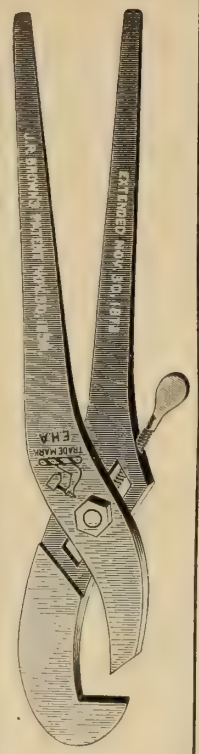
ELBOWS
COUPLINGS
RETURN BENDS
CROSSES
UNIONS
TEES
VALVES

MAIL US YOUR ORDERS

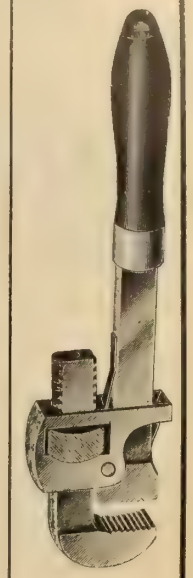










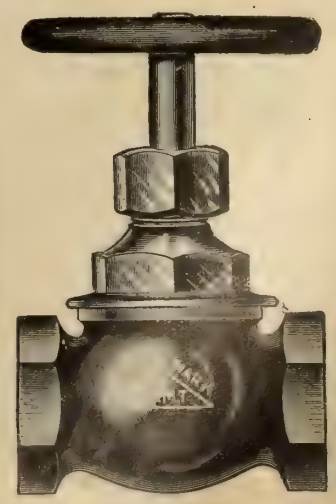


WE SHIP QUICK

PIPE VISES
PIPE TONGS
PIPE CUTTERS
PIPE WRENCHES
PIPE STOCKS and DIES

Write Us For Prices

We Reply Promptly



Lewis Bros. & Co.

WHOLESALE HARDWARE

MONTREAL

The Popularity of Our Splendid

IMPERIAL OXFORD

Insures Speedy Sales.

Its splendid new features and patented improvements give it a superiority quickly appreciated—its practical ease of regulation and economy with fuel commend it to everyone.

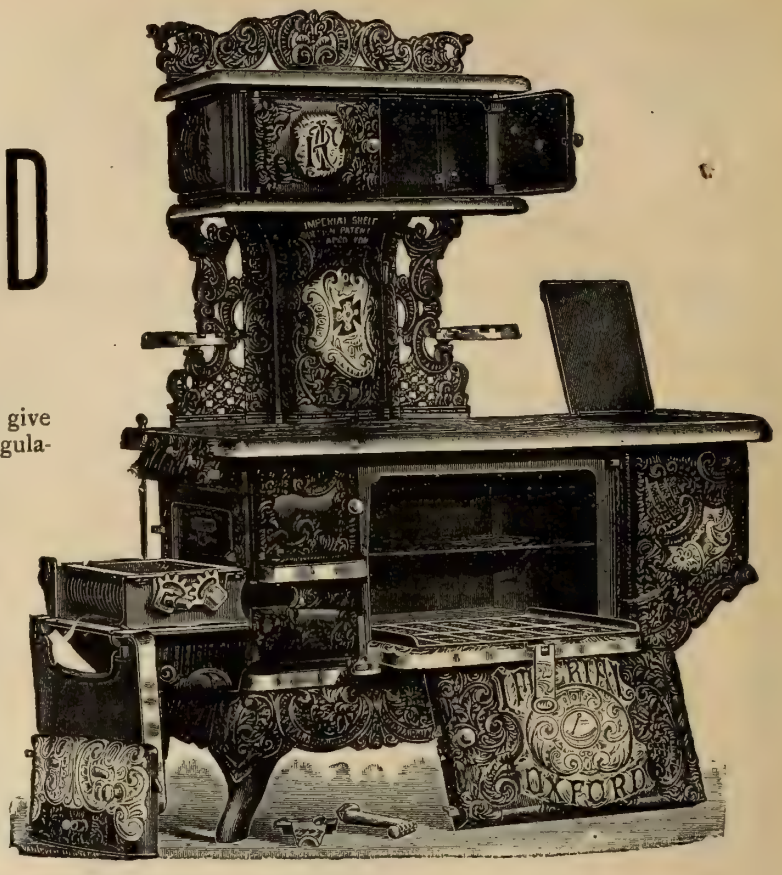
ITS DIFFUSIVE FLUE CONSTRUCTION
FRONT DRAW-OUT GRATE
OVEN THERMOMETER
DRAW-OUT OVEN RACK

and other details of construction appeal irresistibly to the buyer.

Write us for full information, if you aren't handling them, and be ready for the Spring trade.

THE GURNEY FOUNDRY CO., Limited

TORONTO. WINNIPEG. VANCOUVER.



THE GURNEY-MASSEY CO., LIMITED, MONTREAL.



Australasian Hardware and Machinery.

The Organ of the Hardware, Machinery and Kindred trades of the Antipodes.

SUBSCRIPTION $1.25 PER ANNUM,

post free to any part of the world.

PUBLISHING OFFICES:
Melbourne - Fink's Buildings.
Sydney, - - - Post Office Chambers.
AMERICAN OFFICES:
New York, - Park Row Building.
BRITISH OFFICES:
London, - - - 42 Cannon St., E.C.

Specimen Copies on application.

OFFICE OF
MEAKINS SONS & CO.,
Brush Manufacturers.

Montreal, February 15th, 1902.

Re BRUSHES FOR SPRING TRADE.

Dear Sir,—You are no doubt considering now the purchase of your Spring Stock of BRUSHES, and we would like to present a few facts, which we are sure will be of interest to you.

The Bristle Market has of late been very unsettled, with a downward tendency in prices, consequently we have put off the issuing of our prices for 1902 until the last possible moment, in order to give our customers the full benefit of any decline in price of raw material.

Our new catalogue will be ready in a few days, and our Travellers will call upon you in plenty of time to get your goods into stock for Spring Trade.

Our range of samples is much larger than in former years, and the prices we are now issuing cannot be beaten.

Do not be in a rush to buy from the first Brush Traveller that calls upon you. We invite comparison with other houses in our line, as we know we cannot be undersold, and you will confer a favor on us and save money to yourselves by holding your orders until you have seen our Samples and compared prices.

Wishing you a prosperous year,

We remain, dear sir,

Yours faithfully,

MEAKINS SONS & CO

THE OSHAWA WIRE FENCE CO., LIMITED

OSHAWA, ONT.

Manufacturers of Woven Wire Fencing, Gates, Etc.

Also Dealers in Galvanized Fence Wire.

Agents Wanted.

Send for Catalogue and Prices.

CANADA AND SOUTH AFRICA.

ROBERT CROOKS & CO.,

Stock Exchange Building, MONTREAL.

GENERAL IMPORTING AND EXPORTING MERCHANTS.

AND AT

CAPE TOWN, PORT ELIZABETH, DURBAN, JOHANNESBURG, } SOUTH AFRICA.

INVITE CORRESPONDENCE WITH LARGE CANADIAN MANUFACTURERS, TO ACT AS AGENTS IN SOUTH AFRICA.

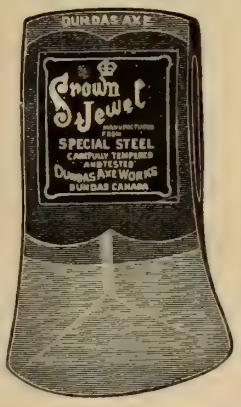
OFFICES ALSO AT

LIVERPOOL, LONDON, } England. NEW YORK, CHICAGO, } U.S.A.

There are twelve Axes that sell well in every dozen of

DUNDAS AXES

Wait for travellers with samples before placing your orders.

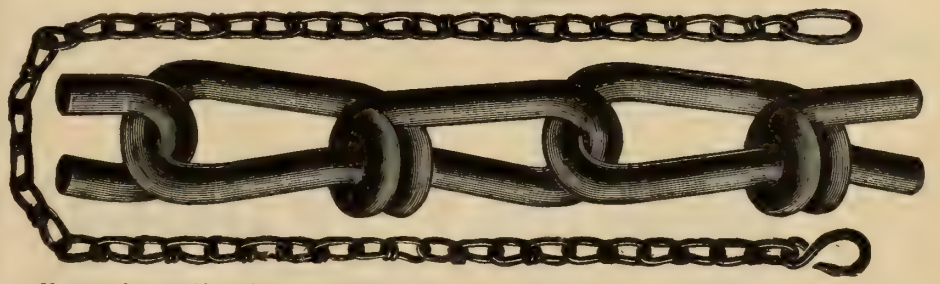


Dundas Axe Works, Dundas, Ont.

W. L. Haldimand, Jr., Montreal, Agent.

BROWN'S PATENT STEEL WIRE CHAIN.

PATENT NO. 32840.



If you are interested in chains examine carefully the perfect mechanical construction of the Brown's. It is the most perfect chain made. We make it in 13 sizes. We use it exclusively in all our Halter, Dog, Tie-out, Cattle, Trace Chains, etc. You will make no mistake in handling our line exclusively.

THE B. GREENING WIRE CO., LIMITED

Hamilton and Montreal.

ESTABLISHED 1750

THE EDINBURGH ROPERIE & SAILCLOTH Co Ld

TELEGRAPHIC ADDRESS ROPERIE

LEITH SCOTLAND

MANUFACTURERS OF EVERY DESCRIPTION OF

CORDAGE & CANVAS









MANILA ROPE
SISAL ROPE
NEW ZEALAND ROPE
RUSSIAN ROPE
JUTE ROPE
FISHING LINES
NETTING TWINES
PARCEL TWINES
SPUNYARNS & PACKINGS
BAILING ROPES & CORDS

TRADE MARK R E Co 1750

SAILCLOTH
STEAMER CLOTHS
AWNINGS
TENT CLOTHS
DUCKS
PRESSING CLOTHS
TARPAULINGS
CHEMICAL WATERPROOF
SEAMING TWINES
ROPING TWINES



BUYERS OWN SAMPLES MATCHED AT LOWEST TRADE TERMS

ADDRESS ALL COMMUNICATIONS TO OUR CANADIAN OFFICE AND STORES,

THE EDINBURGH ROPERIE & SAILCLOTH CO'Y, Limited, - - 9 St. Peter Street, MONTREAL.

Locks and Builders' Hardware.

We have a most complete line of all these goods, including the very newest ideas in

Bronze and Brass Knobs, Door Sets and Escutcheons.

LOCKS AND LATCHES OF ALL KINDS.

Any dealer asking for a catalogue will be sent full prices, discount sheets, etc., etc. Drop a card.

ESTABLISHED 1843. INCORPORATED 1893.

THE Gurney-Tilden Co., LIMITED

Hamilton, Toronto, Montreal.

AGENCIES:—SAINT JOHN, N. B., VANCOUVER, B C.

Supplies for the Maple Syrup Season

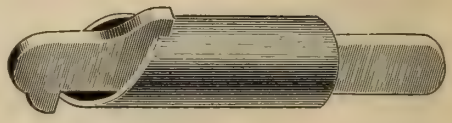


Sap Buckets.

Extra deep and straight. Three sizes. They possess many advantages over the ordinary flaring Buckets; being small in diameter they do not catch the rain or snow, and, as they are very deep, they hang perpendicularly and consequently will not overflow until full. Covers supplied if required. They nest close for shipping or storing.

We can also supply the ordinary Flaring or Western Sap Pails.

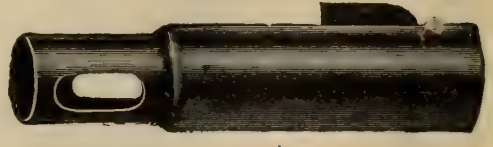
E. T. Sap Spouts.



Made of Retinned Steel. Strong and durable. Only require a ⅜-in. hole in tree. It does not cover the inside surface of the hole, therefore a larger amount of sap is obtained. Packed in cardboard boxes.

Maple Leaf Sap Spouts.

Made in Bronzed Steel. Require a ½-in. hole. Has a shoulder which prevents it being driven in too far. The hole in the tree is not exposed to wind and snow, consequently sap will flow longer. Packed in cardboard boxes.



Syrup Cans. Round or Square.

Plain or Decorated. Made in ¼, ½ and 1-gallon sizes—either Wine or Imperial measure.

A FULL STOCK CARRIED IN ALL LINES. ORDERS SHIPPED PROMPTLY.

KEMP MANUFACTURING CO'Y, - - Toronto, Canada.

HARDWARE AND METAL

VOL. XIV. MONTREAL AND TORONTO, FEBRUARY 15, 1902. NO. 7.

President:
JOHN BAYNE MacLEAN,
Montreal.

The MacLean Publishing Co.
Limited

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P.E. Island and Newfoundland.

OFFICES.

MONTREAL - - - - 232 McGill Street. Telephone 1255.
TORONTO - - - 10 Front Street East. Telephone 2701.
LONDON, ENG. - - 109 Fleet Street, E.C. W. H. Miln.
MANCHESTER, ENG. - - 18 St. Ann Street. H. S. Ashburner.
WINNIPEG - - - Western Canada Block. J. J. Roberts.
VANCOUVER, B.C. - - - Flack Block. J. A. Macdonald.
ST. JOHN, N.B. - - No. 3 Market Wharf. J. Hunter White.
NEW YORK - Room 442 New York Life Bldg.

Subscription, Canada and United States, $2.00.
Great Britain and elsewhere - - 12s.

Published every Saturday.

Cable Address { Adscript, London. / Adscript, Canada.

WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

A FAILURE AND ITS LESSON.

ONE of the peculiar things in commercial affairs which astonishes most people is the ease with which business men are sometimes enabled to secure credit far out of proportion to the assets they command. In spite of warnings, and in spite even of experience, business men are again and again caught in the same trap. We have an evidence of this in a statement that is before us, the estate of T. P. Heffernan, a merchant of Guelph, Ont.

This estate has recently been wound up, and, after the assignee's fees and charges and the preferred claims have been paid, there is not money enough left to pay the creditors 6½c. on the dollar. The largest creditor is for the sum of $2,085.31 and all he gets to satisfy this is $135.52! The following is a summary of the financial statement in regard to the receipts and disbursements:

RECEIPTS.

Received from sale of stock	$392.21	
Proceeds of book accounts	140.30	
		$532.51

DISBURSEMENTS.

Assignee's fees and incidental disbursements	$ 54.65	
Rent	160.00	
Wages	9.50	
		224.15
Amount available for creditors		$308.36

The amount of the liabilities which this sum of $308 was to liquidate was $4,744, thus giving the creditors, as we have already pointed out, the magnificent sum of scarcely 6½ per cent.

We have no knowledge whatever of Mr. Heffernan's method of doing business, but we know that the laxity with which credit is sometimes given by wholesalers and manufacturers, enables men to go into business who otherwise would not, thus increasing oftentimes a competition that is already excessive. And that is not the worst result of it: Men who go into business with inadequate capital are compelled, as a rule, to make undue reductions in prices in order to meet accounts falling due, thereby disturbing trade, and without doing themselves any permanent good.

While a Dominion insolvency law would not altogether prevent a repetition of such failures as that cited, it would, we believe, tend to minimize them, for, with the existence of such a law, people would not rush so recklessly into business as they do now, and they would certainly be less disposed to employ reckless business methods. Some retailers we know are opposed to a Dominion insolvency law, fearing it would be a restriction upon themselves. The only business men who need fear an insolvency law are those who are not solvent. Merchants who are solvent have no more need to fear an insolvency law than have honest persons the laws against dishonesty. Business men have more reason to support than to oppose the movement for a Dominion insolvency law.

FOUR GENEROUS BUSINESS MEN.

ALMOST pleasing incident is recorded by the press of Smith's Falls, Ont. Through the efforts of a local newspaperman, Andrew Carnegie offered to give $10,000 for the erection of a new public library building for the town, provided Smith's Falls spent yearly $1,000 in maintenance of the library.

At this stage, Messrs. C. B. Frost and F. T. Frost, president and vice-president, respectively, of the Frost & Wood Co., came foward with an offer to supplement Mr. Carnegie's gift with another $10,000, payable in 20 annual instalments of $500 each. But the spirit of beneficence did not end there. Mr. W. H. Frost, of the Malleable Iron Works, and Mr. H. S. McNeil, a local wholesale merchant, became imbued with it, the former contributing $2,000 in 20 annual payments of $100 each and the latter $50.

There is scarcely any other way by which successful business men can give more lasting and greater benefits to the people in their respective localities than by emulating the Messrs. Frost and McNeil.

It is by association with the best books and acquaintanceship with their contents that knowledge is extended and breadth of view cultivated, the concomitant of which is better business men, better clerks, better workmen and better citizens.

It is to be hoped the generosity of the Messrs. Frost and McNeil will not be without its influence upon business men in other places besides Smith's Falls.

THE PRICES WERE UNDULY ENHANCED.

THE action of the Dominion Government in reducing the duty on news printing paper from 25 per cent. to 15 per cent. has naturally created a great deal of interest. And the interest is not confined to those who are directly concerned in the reduction of the tariff.

It will be remembered that about seven or eight months ago the Government, at the instigation of the Canadian Press Association, instructed Judge Taschereau to make an inquiry, under the provisions of clause 18 in the Customs Act, as to whether the association, through which the papermakers regulated business, unduly enhanced prices. This particular clause reads as follows :

Whenever the Governor-in-Council has reason to believe that, with regard to any article of commerce, there exists any trust, combination, association or agreement of any kind among manufacturers of such article, or dealers therein, to unduly enhance the price of such article, or in any other way to unduly promote the advantage of the manufacturers or dealers at the expense of the consumers, then the Governor may direct a commission to issue to report to the Government whether such combination, trust, association or agreement exists.

If the judge reports that such trust, combination, association or agreement exists, and if it appears to the Governor-in-Council that such disadvantage to the consumers is facilitated by the duties of Customs imposed on a like article when imported, then the Governor-in-Council shall place such article on the free list, or so reduce the duty on it as to give to the public the benefit of reasonable competition in such article.

Judge Taschereau, in his report to the Government, declares that the case was proven, and, acting upon his finding, on Tuesday last the Cabinet passed an Order-in-Council as follows :

The Customs duty on news printing paper, in sheets and rolls, including all printing paper valued at not more than 2¼c. per lb. shall be reduced from 25 per cent. to 15 per cent. ad valorem.

What gives the action of the Government such wide interest is the fact that the clause in the Customs tariff has for the first time since it was embodied in the statutes, five years ago, been called into active operation. While it was practically a dead letter no one was concerned in the anti-combination clause in the tariff. Now that it has been given life wide-spread interest has been created, and particularly among business men. The question with a good many people naturally is, where will it end ?

The importance of clause 18, now that it has been proved to have some force, is that there is an instrument in existence for the protection of those who are likely to suffer from the action of combinations or associations that have it in their power to unduly enhance prices or impose unjust restrictions.

We live in an age when associations among manufacturers and merchants are necessary. Against associations themselves the clause quoted above takes no cognizance. It is only when they unduly enhance prices that it comes into play. It is obvious, therefore, wherein lies the duty of all organizations which have been formed with a view to correcting evils in their several lines of trade.

The experience of the Press Association will certainly encourage those who may be suffering from the arbitrary action of combinations or associations to seek relief through the same medium. Those only need feel uncomfortable whose conduct comes within the provisions of Clause 18 of the Customs Tariff Act.

THE PRICE OF BROOMS.

The United States manufacturers of brooms have decided to advance their price about 25c. per doz. This has been necessitated by the small supply of broom corn on hand that they feared would not last until the new crop comes in, which will not be for a considerable time. The Canadian manufacturers have not yet taken any action, but indications seem to point to a similar advance in the Dominion at some future date.

PARIS GREEN IN TORONTO.

IN the article which appeared in last week's issue regarding paris green it was stated that the reduction which had taken place in the price in Toronto was due to the lower prices on English and United States green. We have since learned that as far as paris green of English manufacture was concerned, the statement was not in accordance with the facts. The reduction was altogether due to the competition of the United States article.

Telegraphic advices from the United States on February 13 announced an advance of ½c. per lb. in that market, but no change has so far been made on this side. The price of paris green in Toronto is still unsettled, and while quotations are no lower than they were a week ago, or seem likely to go any lower, there is a difference of 1 to 2c. in the figures given by the different houses. Most houses, however, give the figures we quoted last week. We have for the present, however, withdrawn the figures from our prices current.

MR. JAMES FERRIER IS DEAD.

We regret to learn as we go to press of the death of Mr. James Ferrier, president of The Canada Horse Nail Co., Montreal, which took place on Thursday night.

THE ONTARIO PROHIBITION BILL.

AT Wednesday's session of the Ontario Legislature, Premier Ross introduced his promised Bill respecting the sale of intoxicating liquors, or, as it is commonly called, the Prohibition Bill. In its provisions it follows the Liquor Act passed by the Manitoba Legislature and which was declared valid some months ago by the Judicial Committee of the Privy Council.

The Bill does not prohibit the manufacture of liquor within the Province. Neither does it prohibit its importation. What it designs is the prohibition of its sale, either retail or wholesale, within the Province. Liquor for medicinal purposes will be obtainable, however, from druggists on presentation of a doctor's prescription. The following clauses are from the Manitoba Act upon which the Ontario Bill is based :

No person shall, within the Province, by himself, his clerk, servant or agent, expose or keep for sale, directly or indirectly, or upon pretence or upon any device, sell or barter, or, in consideration of the purchase or transfer of any property or thing, give to any other person any liquor, without having first obtained a druggist's wholesale license or a druggist's retail license, under this Act, authorizing him so to do, and then only as authorized by such license, and as p escribed by this Act.

No person within the Province, by himself, his clerk, servant or agent, shall have or keep or give liquor in any place wheresoever, other than in the private dwelling house in whieh he resides, without first having obtained a druggist's wholesale license or a druggist's retail license, under this Act, authorizing him so to do, and then only as authorized by such license.

After passing the House the Bill is, on October 14, to be submitted to a vote of the people. If the referendum affirms the Act then it will go into force on May 1, 1904, but the vote cast must be more than one-half of the total number polled at the general election preceding.

TRADE IN COUNTRIES OTHER THAN OUR OWN.

TINPLATES IN ENGLAND.

MARKET is very steady, and orders are obtainable at prices which show an improvement upon the figures ruling a fortnight ago.

Odd sizes have been in fair request at 12s. 9d. basis, and 12s. 6d. paid for C 14 x 20. There have also been large inquiries for oil sizes, but makers seem well booked and are trying for better prices. Rightly or wrongly, there is an optimistic feeling prevalent at present.—Iron and Steel Trades Journal, February 1.

PARIS GREEN IN THE STATES.

The market continues strong, with an advancing tendency. Orders are coming in quite freely ; much more so than for the last two years at this season. There is considerable unevenness in the market, caused by the various manufacturers quoting different prices. These range from 11 to 13c. per lb. in arsenic kegs of 200 to 300 lb.—Iron Age, February 13.

THE SCARCITY OF STEEL.

The steel scarcity is becoming more acute, and buyers are turning more and more to foreign sources for relief. While inquiries have been numerous and partly urgent, and on the whole thus far quite a tonnage has been placed, still recently sales have been confined to small lots of 500 to 2,000 tons each. One of the Canadian steel works has withdrawn from the market. —Iron Age, February 13.

WIRE NAILS FIRM IN THE STATES.

The demand for wire nails has not been unfavorably affected by the recent advance of 5c. per keg. There is, on the other hand, a large and active demand. Difficulty is experienced at some mills in securing a sufficient number of cars to make prompt shipment. The market is strong, and is represented by the quotation on carload lots of $2.05 to $2.10, f.o.b. Pittsburg, plus actual freight to distination—Iron Age, February 13.

PIG IRON IN GREAT BRITAIN.

Pig iron is in rather slower demand, and most districts remain depressed. Prices, however, have been maintained remarkably well, considering all the circumstances, during the worst season of the year, and, with what is generally a much busier time coming on, makers look forward to the future with some degree of confidence. Inquiries to hand from the Continent are more numerous, and the shipments from Middlesbrough are improving. At the same time, business generally is still restricted, and it must not be forgotten that Lincolnshire makers found it necessary to put down their prices 1s. all around last week. The following is a statement of the stocks of pig iron in public stores :

Public stores stocks, in tons :	Wednesday.
Connal's at Glasgow	56,700
Connal's at Middlesbrough	140,000
Connal's at Middlesbrough, hematite	300
West Coast hematite	16,400
N.E.R. Stores, Middlesbrough	1,460

The increase of stocks in Middlesbrough during the week ending January 28 was 1,145 tons, and in Barrow 2,000 tons, while in Glasgow there was a decrease of 480 tons.—Iron and Coal Trades Review, January 31.

MANUFACTURED IRON AND STEEL IN ENGLAND.

In the manufactured branches of the iron and steel trades market conditions vary to some extent in the different centres ; but taking the position all through the outlook has hardly assumed a more favorable aspect. One factor calculated to encourage British manufacturers however, is that the worst of the foreign competition in this country seems over. In the United States the home demand is sufficiently strong to absorb the output, and there is a better tone in some of the Continental markets, so that our imports of foreign iron and steel are likely to dwindle away to vanishing point in the ensuing year. One of the chief events of the week in the finished iron and steel trade is, of course, the amalgamation of Guest, Keen & Company, Limited, with Nettlefolds, Limited, which, following as it does hard upon the heels of the Vickers-Beardmore fusion, has produced an impression that British manufacturers are about to meet the competiton of Americans in foreign markets with their own weapons. The bar trade is keeping up fairly well, but in Lancashire, although the basis rate of £6 10s. is unaltered, there is a good deal of underselling. The ascertained average price of finished iron in the North of England for November and December is returned at £6 8s. 8d., as against £6 10s. 3d. in September and October. In the Midlands it was £6 19s. 5d. as compared with £6 18s.; and in Scotland £6 5s. 11.43d.—Iron and Coal Trades' Review, January 31.

NEW YORK METAL MARKET.

COPPER—There was a semi holiday feeling in the metal market to-day and very little business was accomplished. Copper was dull. No speculative buyers appeared and as for some time past there was no demand from consumers. No further change in asking prices was noted, there being sellers of Lake at 12¾c., of electrolytic at 12⅝c., and of casting at 12½c. The London market was quieter, but closed slightly higher and firm. Early in the day futures sold at £53 15s., but rallied and advanced to £54 5s. and from that to £54 7s. 6d., or 5s. above last night's close. The closing quotation on spots, however, was but 2s. 6d. higher than that of yesterday. The public sales in London to day were the smallest recorded in that market for more than two weeks.

PIG TIN—The market was very quiet but somewhat firmer to-day. Spot sold at 24.60c., but closed at 24.75c. asked and 24.55c. bid. For February 24.40c. was bid, while the asking price was the same as that for spot tin. No interest was shown in futures. Arrivals to-day were large, amounting to 1,025 tons, and bringing the total imports for the month to date up to 1,355 tons. Included in to-day's receipts were 545 tons from the Straits on the direct steamer Kurdistan, and 380 tons from London by the Minneapolis. The London cables reported a quiet, steady market, with prices 5s. higher on spot and 5s. lower on futures. The Singapore market is closed on account of the holidays.

PIG LEAD—The market remains firm, but quiet, on the basis of 4.10 to 4.12½c. for lots of 50 tons or more, according to delivery. St. Louis was reported steady, with a sale of 100 tons soft Missouri at 4c. A further advance of 1s. 3d. was made by soft Spanish in London.

SPELTER—Although still quiet, the market was a shade firmer, in sympathy with Western advices, spot being quoted at 4.10 to 4.15c. and February-March delivery at 4 05 to 4.10c. The St. Louis market was reported to be steadier at 3.90c. London was unchanged.

REGULUS ANTIMONY—Prices are somewhat nominal in the absence of important demand at 10¼c. for Cookson's, 8c. for Hallett's and 7½c. for other brands.

OLD METALS—There was little doing, and the market was easy.

IRON AND STEEL—Business for distant forward delivery is going on at a very satisfactory rate, prices on such contracts being based on the figures quoted below, but it is almost impossible to give quotations on pig iron for prompt and early delivery, the prices depending wholly upon the views of the holders of such small quantities as are available. High premiums, therefore, are paid by those in need of supplies for immediate use. There is no let-up in the demand for finished materials and the scarcity of supplies available for early delivery is becoming as marked as in pig iron.

TINPLATE — There is nothing new in this department. The wants of consumption are being supplied through deliveries on existing contracts and we hear of little new business.—N.Y. Journal of Commerce.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

MOSES SIMON, general merchant, Alexandria, Ont., has assigned to George Hearnden. His creditors meet on February 19.

M. Ormstein & Co., general merchants, St. Polycarpe, Que., have compromised.

J. E. Gravel, general merchant, Roberval, Que., has assigned to V. E. Paradis.

Desire Ricard, general merchant, Batiscan, Que., has assigned to A. Desmarteau.

Black & Ross, general merchants, Thetford Mines, Que., are offering 50c. on the dollar.

Wilfrid Chausse, hardware merchant, Montreal, has assigned to Kent & Turcotte.

F. A. Thompson, general merchant, Buckingham, Que., is obtaining an extension.

L. Harvey, general merchant, St. Hilarion, Que., has compromised at 25c. on the dollar.

The creditors of J. C. Giroux, general merchant, Berthier, Que., held a meeting on February 7.

V. E. Paradis has been appointed curator of P. Martel, general merchant, Roberval, Que.

T. J. Metheral, general merchant, Singhampton, Ont., has assigned to Osler Wade, Toronto.

Marcotte & Marcotte are the curators of A. Champagne, carriagemaker, Chambly Station, Que.

E. Audet, general merchant, Black Lake, Que., is offering to compromise at 50c. on the dollar.

H. A. Lalonde, general merchant, Riviere Beaudette, Que., has assigned to Lamarche & Benoit.

A. Gagnon, general merchant, St. Rose de Degale, Que., is offering to compromise at 40c. on the dollar.

The creditors of L. A. Frechette, general merchant, Thetford Mines, Que., will hold a meeting on February 17.

P. J. Kyte, general merchant, St. Peter's, N.S., has assigned, and his creditors meet on February 18.

Charles Tremblay, general merchant, Shawenegan Falls, Que., is offering to compromise at 60c. on the dollar.

F. X. Roy, general merchant, St. Phillipe de Nery, Que., has assigned, and Lefaivre & Taschereau are the provisional guardians.

E. Audet, general merchant, Black Lake, Que., has assigned, and V. E. Paradis has been appointed provisional guardian.

A demand of assignment has been made on J. A. Allard, contractor, Outremont, Que., and a meeting of his creditors has been held.

Bellevance & Frere, general merchants, St. Fabien, Que., have assigned, and V. E. Paradis has been appointed provisional guardian.

C. P. Price (late) general merchant, Copper Cliff, Ont., has assigned to J. H. Clary, Sudbury, and the creditors hold a meeting on February 14.

PARTNERSHIPS FORMED AND DISSOLVED.

Renaud & Chamberland, painters, Montreal, have dissolved.

The Mountain City Cycle Co., Montreal, have dissolved.

J. & C. Hodgson, hardware merchants, etc., Montreal, have dissolved.

The Manitoba Pump Co., Brandon, Man., has dissolved; T. H. Williamson continues.

Pullan & Florence, wholesale scrap-iron merchants, Ottawa, have dissolved. O. E. Pullan continues.

Tusty & Sons, builders and lumber merchants, Rodney, Ont., have dissolved, and Tusty Bros. continue.

McLaren & McLaren, lumber merchants and sawmill proprietors, East Templeton, Que., have dissolved.

C. C. Cloggett & Co., railway supplies, Montreal, have dissolved; Mrs. Henri Jonas has registered as continuing.

Shaw & Lendon, hardware and paint merchants, Wallaceburg, Ont., have dissolved, and are succeeded by J. C. Shaw & Son.

Dimock, Aldred, Shand & Co., planing mill proprietors, Glace Bay, N.S., have applied for a declaration of dissolution of partnership.

SALES MADE AND PENDING.

T. A. Mills, general merchant, Wingham, Ont., has sold out.

R. Quance, Clarkson, Ont., is advertising his sawmill for sale.

The assets of Joseph Beauchamp, grocer, Montreal, have been sold.

The assets of Gregoire Leveille, plasterer, Montreal, are to be sold.

A. Ross, blacksmith, Melita, Man., is advertising his business for sale.

Arthur Herbert, blacksmith, St. Pierre, Man., has gone out of business.

The assets of J. C. Giroux, general merchant, Berthier, Que., are to be sold.

G. F. Arnold, general merchant, Hensall, Ont., is advertising his business for sale.

G. L. Webster, blacksmith, Cambridge, N.S., is advertising his business for sale.

The estate of J. & G. Heroux, contractors, Yamachiche, Que., is to be sold by tender.

Found Bros., stove and tinware merchants, Gorrie, Ont., are advertising their business for sale.

CHANGES.

Wingon Wah & Co., general merchants, Montreal, have registered.

H. N. McTaggart, general merchant, Chiselhurst, Ont., has sold out to Thos. F. Eyre.

T. M. Bryce, general merchant, Yellowgrass, Man., has sold out to Taylor & Metheral.

Desmarais & Pelletier, general merchants, Marieville, Que., have registered.

Hugh Gilchrist has registered at Montreal, for Gilchrist & Co., general dealers and agents.

Cornellier & Desmarais, general merchants, St. Eugene de Grantham, Que., have registered.

Mrs. J. A. Tranquil has registered for J. A. Tranquil & Cie., commission merchants, Montreal.

The Inland Smelter Co., Limited, Kamloops, B.C., has been incorporated with non-personal liability.

Reid Bros., general merchants, Haley's Station, Ont., have sold their branch store there to T. E. Richardson.

The Boulder Mining Co., Victoria, B.C., has been incorporated.

The Hodgson Iron and Tube Co., Montreal, has registered.

The Ampere Electric Manufacturing Co., Limited, Montreal, has registered.

Rousseau & Jacques, combination lockmakers, Montreal, have registered.

D. H. Campbell, contractor, Kamloops, B.C., is opening a sash and door factory.

The British Columbia Coal Co., Limited, Nelson, B.C., has been incorporated.

The Fretheway Train-Pipes-Coupling Co., Limited, Montreal, has applied for a charter.

The Consolidated Copper Co., Limited, of Parry Sound, Ont., has obtained a charter.

The Horsefly Trading and Transportation Co., Limited, Victoria, B.C., has been incorporated.

A. A. Lundy, agricultural implement merchant, Rapid City, Man., is succeeded by Lundy & Money.

A. Urquhart, agricultural implement merchant, Lacombe, N.W.T., is succeeded by H. R. Foulger & Co.

A. R. Hopper, agricultural implement dealer, Alameda, N.W.T., has sold out the Arcola branch of his business to Connell & Clement.

Alfred Hardman and James T. Bryson have registered as proprietors under the style of Hardman & Bryson, tinsmiths, New Westminster, B.C.

FIRES.

Laird Bros.' planing mill at Dresden, Ont., has been burned; it was covered by insurance.

M. Fickler & Co.'s departmental store, at Fredericton, N.B., has been burned; it was insured for $17,000.

J. G. Hayes, general merchant, Pilot Mound, Man., was recently burned out; his property was insured.

DEATHS.

James E. Stratford, general merchant, Indian River, N.S., is dead

D. D. Macdonald, coal and wood merchant, Cornwall, Ont., is dead.

John Harrison, President of John Harrison & Sons Co., Limited, lumber, sash and door manufacturers, Owen Sound, Ont., is dead.

"GREAT WESTERN" FILES.

Black Bros. & Co. are now the selling agents for the "Great Western" brand of files for Halifax and vicinity.

WIRE NAILS
TACKS
WIRE

Prompt Shipment.

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

TREATMENT OF TIN ROOFS.

THE probable reason why many tin roofs are allowed to rust is because the paint on being applied holds better than if an attempt was made to paint the roof as soon as completed, says Carpentry and Building. A little time also allows the rosin used in soldering to crack off and permits the paint, when applied, to cover the tin in all places. In coating the plates with tin, palm oil has been largely used as a flux, and as long as this grease is on the surface the paint for the protection of the tin does not get down to the material, and is likely to peel off or readily scrape off. It is a simple matter to give the roof a wash with turpentine, which will remove all the greasy substance. If the bulk of the rosin with which the roof has been soldered is scraped off previously to this turpentine wash there will not be enough rosin left to interfere with the paint adhering directly to the metal.

Different experienced men make the following remarks about allowing a new tin roof to rust. One says: "To allow a new tin roof to become rusty before being painted is like closing up the bunghole of a barrel while the liquid is flowing off from the spigot. A rough surface secures the paint better, but gives the tin a start towards rusting, and the rust will sooner or later destroy it." Another says: "After an experience of 30 years, my advice in the matter of roof-painting is, to begin with, a new roof should not be allowed to accumulate any rust before painting." Another expert points out that if a layer of hydrate oxide (ordinary rust) be allowed to form, the successive coats of paint will peel off, their separation from the tin being merely a question of time, during which time the rust has been spreading under the paint. From this it may be readily inferred that an iron surface, even though coated with tin, should not be left exposed to the weather until rust has formed before painting, because, once started, its action is liable to continue even though paint be applied.

Regarding the time which should elapse after a tin roof is laid before it is painted, much depends on circumstances. If the tin is greasy from the palm oil flux so as to render the paint liable to peel off, the roof may be left exposed until the oil has been washed off, although some roofers recommend that as soon as the roof is finished the rosin should be removed and the surface should be washed with turpentine, benzine, or an alkali to remove all traces of the palm oil or other grease. Another method is to sprinkle sand over the roof and sweep it off with a broom. In localities near the seacoast, where coal is largely used for fuel, tinplate exposed to the weather is soon corroded, and when the cheaper grades of roofing plates are used the surface soon becomes covered with a rust.

An expert roofer points out that the value of a paint is in its oil, and economy consists in purchasing a good oil paint, the best and purest to be obtained. He says that the use of 15 to 20 per cent. of a pure fish oil, free from any adulteration with kerosene or coal oil, will not detract from the value of a pure linseed oil. The principal reason for the adulteration is that the more plastic the first coat is the more durable, but the greater the tendency to crack the second coat. The weather-coat should always be more flexible, containing more non-drying oil. But a man of good judgment will discriminate. The most flexible, in the true sense, of good oils is boiled oil, but, if too thick, it will stand mixing with raw oil or with turpentine. As a priming coat such oil mixed with a little red lead, if not put on too thick, will stick tight to the roof.

Out For Business.

If you're out for business, if you want to get all you can and hold it after you get it, don't waste your energy in pushing poor paint.

It's harder work to sell poor paint than good paint—because you have to keep after new customers all the time. No man who once gets fooled by poor paint wants it again.

THE SHERWIN-WILLIAMS PAINT

is good paint. It makes a constant customer out of every man who tries it. It does its own advertising. Every sale brings another. When you build up a good trade you are sure to keep it.

S.-W.P. is made right—to sell right, and wear right.



THE SHERWIN-WILLIAMS CO.

PAINT AND VARNISH MAKERS.

CLEVELAND.

CHICAGO, NEW YORK, NEWARK, MONTREAL, BOSTON, TORONTO, SAN FRANCISCO. KANSAS CITY.



EXEMPTION BY-LAWS.

AT a meeting of the executive committee of the Toronto branch of the Canadian Manufacturers' Association on February 10, presided over by J. O. Thorn, it was decided to memorialize the Ontario Legislature respecting the tax exemption of machinery and plant. In this there will be pointed out the several disadvantages that the manufacturer would labor under on account of this taxation, and tax exemption will be urged as a protection to him. It is claimed that, should this exemption not be granted, industries that are at present in Ontario might be driven away and others hindered from locating in the Province. Every municipality in Ontario will receive a letter in regard to the matter. This was thought advisable, because many places outside of Toronto are opposed to tax exemption.

The law as it at present stands in regard to voting on exemption by-laws, whereby a two-thirds vote of the ratepayers is required, will be explained. It is claimed that in cities it is practically impossible to bring out so a large a percentage of the population as to secure the necessary majority. The municipalities will be asked to vest the power of exemption in a two-thirds vote of the municipal councils. The cooperation of the Toronto Board of Trade will be asked.

CHANCE FOR TRADE WITH AFRICA.

AT THIS time when our enterprising manufacturers are giving close attention to the possibilities of establishing an export trade with South Africa, it is of the greatest assistance to them to know that we have in Canada a distributing firm of the highest standing, Robert Crooks & Co., Montreal, who have already established four offices of their own in the Cape.

They invite correspondence and solicit consignments from large manufacturers on behalf of their Cape Town, Port Elizabeth, Durban, and Johannesburg offices, each of which they state is in charge of a competent manager and carefully selected staff, experienced in the handling of general merchandise.

There are great advantages to be obtained by our manufacturers who desire to secure a share of the trade in South Africa, in corresponding with the Montreal office of Robert Crooks & Co., as they are on the spot, and thus the trouble of conducting correspondence thousands of miles apart is saved to the Canadian exporter, Messrs. Crooks already having complete cabling facilities with their South-African offices, to say nothing of the protection to the Canadian manufacturer of dealing with only one responsible firm, while having the entire South-Aftrican territory fully covered.

It is well known that the policy of this old-established firm is "progress," as their own offices established in the greatest business centres of the world are proof of.

INQUIRIES ABOUT CANADIAN GOODS.

The following were among the recent inquiries relating to Canadian trade received at the Canadian Government office in London :

1. A firm of commission merchants and forwarding agents at Florence, Italy, wish to get into communication with some first-class Canadian export houses in any line save provisions.

2. Inquiry has been received from a firm of forwarding and commission agents, mercantile brokers and bonded warehousemen at East London, Cape Colony, who wish to make connection with a Canadian manufacturing and exporting house.

3. A Manchester firm of importers and general commission agents desire to obtain an agency for a good Canadian exporter. They would be open to represent either produce or textile houses.

4. Canadian firms interested in the shipment of honey for the British market, and who would like an opportunity of displaying samples in London, are invited to correspond with a gentleman who is prepared to offer facilities.

5. An importer of fruit and other produce for London market wishes to get into direct touch with Canadian shippers.

6. Inquiry is made for names and addresses of Canadian manufacturers of buggies and other similar vehicles, farm carts and wagons.

7. A correspondent at Grimsby asks for names of Canadian shippers of eggs, cheese, bacon, etc.

8. The patentees and manufacturers of hammerless guns, rifles and every description of small arms ask for suggestions as to placing their catalogues and price lists in Canada.

9. A general merchant in the north of England, having travellers calling upon a large number of business houses, is anxious to undertake buying or selling agencies for Canadian firms. He is especially interested in grain, flour, etc., silver, copper and other ores.

10. The manufacturers of chemicals for agricultural purposes, including fine riddled bone ash, desire to get into touch with actual importers of such goods in Canada.

Inquiries received by the Canadian section of the Imperial Institute :

1. A London house desires names of Canadian producers of split peas.

2. A Midlands manufacturer is open to purchase supplies of round wood of a tough character, ½, ⅝, ¾, ⅞ and 1 inch in diameter. Price by the ton c.i.f.

3. A firm representing several continental packers of preserved goods is open to undertake the agency of a first-class Canadian packer of canned goods.

[The names of the firms making the above inquiries can be obtained on application to the editor of HARDWARE AND METAL **]**

S. E. Bancroft & Co., general merchants, Round Hill, N.S., are advertising their business as sold, the new owners taking possession March 1.

THE IVER JOHNSON

TRUSS FRAME.

Has a mechanical and commercial value not possessed by other bicycles.

The trade appreciates and recognizes the fact.

It responds to a long-felt demand for something new in cycle construction ; it has the advantage of racing weight, with roadster strength ; a rigid crank hanger—greater speed; no buckling of frame.

Made of one-inch Tubing.

Agents wanted in unoccupied territory. Send for catalog just issued.



(FRAME PATENTED.)

IVER JOHNSON'S ARMS & CYCLE WORKS,

New York Salesroom—
99 Chambers Street.

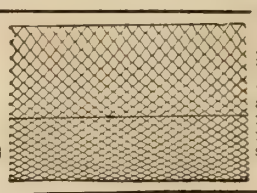
FITCHBURG, MASS., U.S.A.

Zanzibar Paints

We do not say "there are no other good paints"; we do not have to sell our paints in that way, but we do say **ZANZIBAR PAINTS** in point of service and appearance are unequalled. Do you carry them in stock? You should. Write for our "Terse Talks."

THE ZANZIBAR PAINT CO., Limited - - Toronto, Can.

NOTE CLOSE MESH AT BOTTOM



Page Acme Poultry Netting

is close meshed at bottom and does not require rail or board support at edges, having strong straight wire (No. 12 guage) at top, bottom and in centre, cannot sag and is easy to erect. The "Page Acme" netting is of neat appearance, very durable and cheap. We also make farm and ornamental fence, gates, nails and staples. The name of Page is your guarantee of quality.

The Page Wire Fence Co., Limited, Walkerville, Ont. 5

STANYON ENGINEERING CO.

402 McKINNON BUILDING,

Phone Main 2177. **TORONTO**

CONTRACTING AND CONSULTING ENGINEERS.

Steel Works, all kinds of Rolling Mills, Wire Mills, etc., all built complete. Machinery designed for any purpose.

GENERAL OFFICES, - - PITTSBURG, Pa.

It is a Candid Fact

that some dealers are missing golden opportunities of securing (not one of the best) but the very best and most wonderfully complete, rapid and efficient machine ever made for fencing the farm.

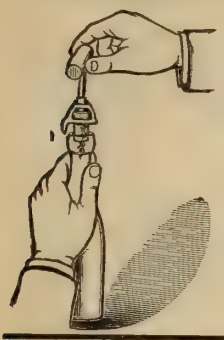
LONDON FENCE MACHINES

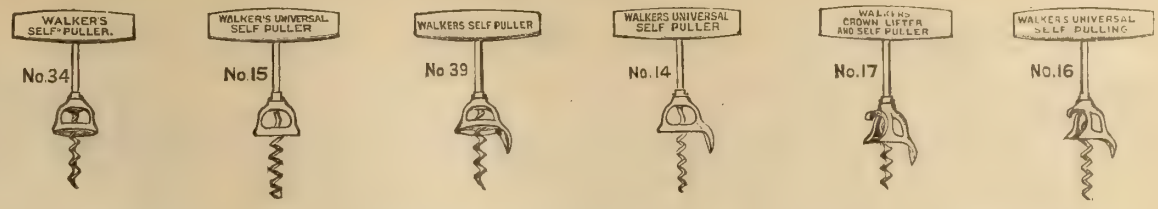
cannot be equalled. They are sold to farmers this year at a popular price. Now is the time to secure the agency. Our Spring catalogue of London Machines and supplies will be out shortly. We will be pleased to mail it on request.

THE LONDON FENCE MACHINE CO., Limited.

LONDON, CANADA.

See! You Don't Have to Pull. A Child Can Do It.



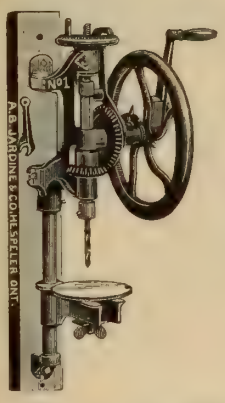


Walker's Self-Pulling Cork Screws

Made of Crucible Steel, Nickel Plated, Polished Apple Wood Handles.

EVERY ONE TESTED AND GUARANTEED. Several imitations on the market, but none as good.

Mfrd. only by ERIE SPECIALTY CO., Erie, Pa., U.S.A.



TRADE MARK J REGISTERED

Blacksmiths' Hand Drills.

The very best.

A. B. JARDINE & CO.
HESPELER, ONT.

FILES. RASPS.

WE ARE NOT IN THE TRUST.

Quality of our goods guaranteed and our discounts very liberal. A trial order solicited. Write for discounts.

99 Niagara St., TORONTO FILE CO.

CANADIAN GOODS FOR CANADIANS.

The Frost Wire Fence Company, Limited

WELLAND, ONT.

FACTORIES AT CLEVELAND, OHIO, AND WELLAND, ONT.

MAKERS OF Frost Fencing, Frost Steel Gates, and Coiled Spring Wire.

CLOSEST PRICES QUOTED ON APPLICATION.

Lockerby & McComb

AGENTS IN CANADA

FOR THE

Celebrated P. & B. Cold Storage Lining

AND

. . Ruberoid Roofing . .

P. S.--Prices on Application.

65 Shannon Street, MONTREAL.

DEALERS

Do you sell the "GLORIA" Light?

WHY NOT?

Our goods are the best—our prices are the lowest. Our "United Gloria" Triple Weave Mantle is the strongest and most brilliant mantle in the market. We manufacture it and know when we sell it it will bring repeat orders. We manufacture "United" Single Weave and Gasoline Mantles and carry a large stock of Burners, Chimneys, Bulb Globes, Fancy Etched and Ruby Globes.

SEND FOR PRICE LIST.

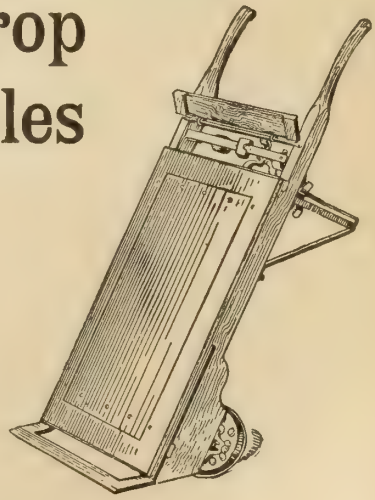
THE UNITED INCANDESCENT LIGHT CO.

Phone Main 969. 7 Yonge St. Arcade, Toronto.

The Parcell Drop Lever Truck Scales

Highly endorsed by Government Inspectors.

Designed for Farm, Mill, Factory and Warehouse uses. Ask your wholesale Dealer for cuts and prices, or write



AYLMER IRON WORKS CO., Limited

AYLMER, ONT.

TRADE NOBLES & HOARE NH LONDON MARK

Nobles & Hoare.

CORNWALL ROAD STAMFORD STREET.

LONDON, ENG.

Manufacturers of

HIGH-CLASS VARNISHES ONLY

Which can be obtained direct from the works or from the principal Color Dealers in Canada.

BOARDS OF TRADE MEETINGS.

FORT WILLIAM BOARD OF TRADE.

THE annual meeting of the Fort William, Ont., Board of Trade was well attended, and great interest was displayed throughout in the proceedings by the members present. President E. A. Norton occupied the chair and made his annual address. In this address he alluded to the splendid harbor and other natural advantages enjoyed by that important lake-port town and the immense crop of grain in the West, last season, which, it is computed, will yield, when marketed, one thousand dollars per head for every man, woman and child in Manitoba and the Territories.

The Canadian Pacific Railway state that they are going to expend $500,000 in the way of improvements during the coming summer. These will chiefly consist of a new cleaning elevator, new docks and a new storage elevator. He called their attention to the fact that the Canadian Northern Railway's line to Winnipeg had been completed, and that grain was now being hauled to Lake Superior.

The town had completed, he said, its electric light and waterworks plant at a cost of $109,000. The revenue from both systems was quite in excess of the expenditure, after the amount required for the sinking fund and interest had been put aside. During the months of September, October and November, over 13,000,000 bushels of grain had been handled by the elevators. This was an unusual amount. Nine hundred and sixty-four vessels, with a registered tonnage of 1,160,261 tons and crews of 22,390 men reported and cleared at the Customs house. Over 250,000 tons of coal were received at the port, and over 692,527 tons of freight handled during the year 1901.

During the year 1900 there was collected at the port the sum of $121,000, while the revenue for the last half of the year 1901 amounted to the sum of $131,000—$7,000 more in the last half of 1901 than in the whole of 1900.

He strongly urged upon the board the advisability of petitioning the Government to proceed with the erection of a new post office and Customs house, as soon as possible, as at present the buildings devoted to that purpose were totally inadequate to the needs of the town and port.

He touched on the present telephone service given by The Bell Telephone Co., and the excessive rates charged, and thought the present an opportune time for the town to acquire a telephone system of its own. He concluded by strongly advocating the establishment of a quarantine station at some point in the vicinity.

The annual election of officers was then proceeded with and resulted as follows:

President—J. J. Wells.
Vice-President—E. S. Rutledge.
Secretary-Treasurer—T. R. Wayland.
Council—C. W. Jarvis, E. A. Morton, J. Dyke, W. Stevenson, A. Snelgrove, James Murphy, W. F. Hogarth, S. C. Young, John King, J. H. Perry, D. McKellar, A. McDougall.

OTTAWA BOARD OF TRADE COUNCIL.

At the meeting of the council of the Ottawa Board of Trade, held on the evening of Thursday, February 6, considerable business was transacted. John Coates presided, while Cecil Bethune was secretary.

The president, Messrs. Henderson, Reid and Douglas, were appointed a committee to devise ways and means for the erection of a suitable building for the board.

STANDING COMMITTEES.

The following standing committees were appointed:

Representatives on Technical Education committee—Messrs. R. W. Shannon, G. B. Greene, James Ballantyne, A. W. Fleck and Alex. MacLean.

Cheese and Butter Committee—Messrs. John R. Reid, Joseph Kavanagh, James Ballantyne, Henj. Rothwell and W. H. Dwyer.

Congress Committee—Messrs. Thomas Macfarlane, A. Holland, A. W. Fleck, J. M. Garland and P. Larmonth.

Industrial Committee—Messrs. Geo. F. Henderson, A. Holland, P. Whelan, D. Murphy and John McKinley.

A resolution of the Brantford Board of Trade, calling for a revision of the Canadian tariff by the Government, so that the Dominion markets might be kept clear of foreign competition, was brought up, and it was decided to refer it to the coming session of the Dominion Board of Trade, on March 4 next, in Ottawa.

It was decided to accede to the request of the Toronto Board of Trade, regarding the copyright question, which asked the Ottawa board to join with them in a memorial to the Government.

A communication from the London, Eng., Chamber of Commerce Organization Committee was read, referring to various subjects under consideration. The subjects will be taken up at some future time.

The Halifax Board of Trade request the Ottawa Board to join with them in handing over the management of the Intercolonial Railway to the C.P.R., while the Government ownership of the road would still be maintained.

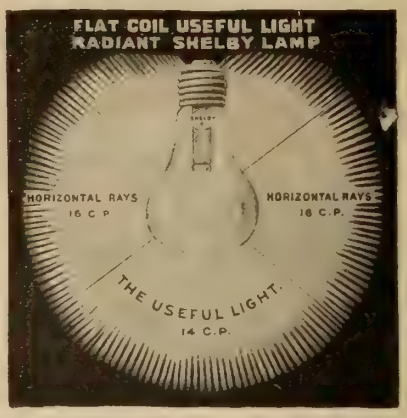
The council did not care to endorse this principle, and nothing will be done.

President Coates, Messrs. John R. Reid, Andrew Holland, Thomas Macfarlane and R. W. Shannon were appointed delegates to the Dominion Board of Trade, which meets in Ottawa on March 4.

John R. Coates, the president of the board will deliver his inaugural address at the next meeting of the board, which will be held on February 18.

The Hon. F. R. Latchford and Messrs. Lumsden and Powell, M.P.P.'s, will be invited to address the meeting as to how Ottawa trade will be affected by the building of the Temiscamigne and Northern Ontario Railway.

RADIANT SHELBY LAMP



FIFTY per cent. more useful light from the same amount of current.

For sale by all dealers in Electrical Supplies.

The Ontario Lantern Co.,
WALTER GROSE, Selling Agent, Montreal.
MANUFACTURERS, HAMILTON.

To Oven Builders, Etc.

The Canadian Patent Rights of **Prym's Patent Oven** (patented in thirteen countries), which has the unique benefit of being evenly heated on all six sides at the same time, are offered for sale, and can be obtained by applying to

J. CULBERT,
4 Monkwell St. LONDON, E.C., ENG.

OVER 200 VARIETIES.

We make over 200 varieties of Stove, Furnace and Grate Bricks, and can make as many more to order, if necessary.
Large stock constantly on hand, and prompt shipment guaranteed. Write for list of Styles and Prices.

JONES BROS., Bracondale, P.O.
Sole Manufacturers of "Maple Leaf" Brand

Lace Leather

Send direct to us for the celebrated "NIAGARA" Brand Lace Leather, best produced in this country. Yellow and White in Sides or Cut Strings. Prices and Samples on application.

WOOD BROS.
Tanners of High-Class Leathers,
ST. CATHARINES, ONT.

WE have the nicest set of Hose samples ever shown to the Canadian trade. Don't fail to see them.

HOSE

GARDEN
STEAM
SUCTION
ETC.

Send for samples and quotations.

WE make Hose of all kinds for all purposes. Our equipment is the most modern and our goods are perfection.

MANUFACTURED BY

THE DURHAM RUBBER CO., LIMITED

Bowmanville, Ont.

Sausage Stuffer, Lard and Fruit Press



8 Sizes and Styles

Rapid Grinding and Pulverizing Mills

10 Sizes and Styles for Hand and Power



No. 3, $5.00

Bone, Shell and Corn Mill



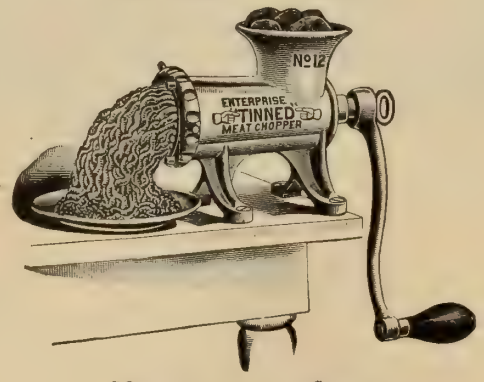
No. 750, $7.50

TRADE **"ENTERPRISE"** MARK

Meat and Food Choppers

TINNED

40 Sizes and Styles for Hand and Power
from $1.00 to $300.00



No. 12, - - $2.50

Sold by all the leading Jobbers of the Dominion

ILLUSTRATED CATALOGUE MAILED FREE

The Enterprise Mfg. Co. of Pa.

Philadelphia, Pa., U. S. A.

Meat Juice Extractor



No. 21, $2.50

Raisin Seeder



No. 36, $1.00

Cold Handle Polishing IRON



No. 82, $6.75 per doz.

C. P. R. NEW ISSUE.

A MEETING of the directors of the Canadian Pacific Railway was held in Montreal on Monday afternoon, February 10, Sir Thomas Shaughnessy presiding, and the following members of the board being present: Messrs. R. B. Angus, W. D. Matthews, C. R. Hosmer, E. B. Osler and Mr. Chas. Drinkwater, secretary.

A dividend for the half year ended December 31 was declared, the rate being the same as paid for the previous six months, 2 per cent. on the preferred and 2½ per cent. on the common stock.

After the meeting a circular was addressed to the shareholders by the president, which stated that the directors recommended that the ordinary share capital be increased by the amount of $19,500,000. This was rendered necessary by the extraordinary expansion of the company's business during the last six or seven years, and the certainty of its further expansion in volume. It is intended that the money thus raised shall be expended for the following purposes:

Locomotives, cars and other equipment, $10,000,000.

Enlargement of construction and repair shops at Montreal and other points on the system, $2,000,000.

Reduction of grades, improvement of alignment and second track where required, $6,500,000.

Additional grain elevators, terminals, business and passing sidings and other facilities, such as are being provided from month to month to meet the requirement of the company's business, $4,000,000.

As these estimates overrun the amount of the contemplated stock issue at par, it is proposed that an amount equivalent to about 15 per cent. of the issue, or $3,000,000, be appropriated from the surplus earnings fund to be further expended on these above-named improvements in addition to the proceeds of the sale of the capital stock.

The subscription price of the new stock will be payable at the Bank of Montreal, London, New York and Montreal, as follows: Twenty per cent., or $20 per share, on subscription and the same on June 27, August 27, October 27, and December 27, 1902.

MR. DAVIDSON ELECTED.

Mr. James Davidson, president of the firm of The Thos. Davidson Mfg. Co., Limited, was elected to the council of the Montreal Board of Trade on January 29. Mr. Davidson has been a member of the board of trade for several years, and the fact that on his first appearance as a candidate for the council he was easily elected speaks well for his standing in the estimation of that body. In other business associations, he has taken a prominent part, being on the executive committee of the Manufacturers' Association, and also a member of the French Chamber of Commerce, of Montreal. HARDWARE AND METAL can not only congratulate Mr. Davidson on his election, but can also congratulate the board of trade on having secured his services on the council, which are certain to be valuable.



MR. JAMES DAVIDSON,
President of the Thomas Davidson Manufacturing Co., Limited, and recently elected to the Council of the Montreal Board of Trade.

CATALOGUES, BOOKLETS, ETC.

A FREEZER CATALOGUE.

The catalogue of The White Mountain Freezer Co., Nashua N.H., for 1902 is an artistic production in which are shown the various lines of the freezers which this firm manufacture with so much success. These freezers are made of the best material that can be had, are perfect in construction—being of uniform strength throughout, simple in mechanism and have the triple-motion system. By writing and mentioning HARDWARE AND METAL, this firm will send any of our readers its handsome catalogue.

IMPERIAL OXFORD RANGE.

The Gurney Foundry Co., Limited, Toronto, are again issuing their handsome calendar, advertising their Imperial Oxford Range. This range is economical in fuel consumption, and has many desirable features. The advertisement of this company appears on another page of HARDWARE AND METAL.

AN ENVELOPE FOR EVERY DAY.

A novel and elegant system has been adopted by the J. Stevens Arms & Tool Co., Chicopee, Mass., manufacturers of fire arms, fine chemical tools and automobiles in their series of envelopes lithographed in various designs, a different one for every day in the week. These may be sent out in rotation and furnish an excellent advertisement for their goods, especially as the habit of fancy envelope collecting is becoming quite common.

PROPOSED NEW RAILWAY.

This year there is an application to be made to the Dominion Parliament for the incorporation of the Manitoba and Keewatin Railway, with the names of a number of the leading business men of Manitoba and Winnipeg as incorporators. This line will eventually connect Winnipeg with Fort Severn on Hudson Bay, covering a distance of about 325 miles, opening up over 135,000,000 acres, a space nearly three times as large as Manitoba, where at present there are no permanent settlers nor improvements outside the posts of the Hudson's Bay Co.

The incorporators will ask that a dormant Act of Parliament, passed away back in 1885, offering a land bonus of 12,400 acres per mile to a line of railway to be built in the territory be applied.

John Bowman

HARDWARE & COAL CO.

LONDON, ONT.

SKATES SKATES SKATES

We have a large stock of SKATES to dispose of and will fill all orders promptly at closest prices.

Cutlery Cutlery Cutlery

Special Lines Special Prices

English and German Table and Pocket Cutlery, Cases, Carvers, Razors, Scissors, Pen and Pocket and Table Cutlery in great variety.

Special Prices.

After Stock-Taking

You will be replenishing your stock, so we wish to keep before your notice, "**Dominion**" Goods, all of which bear the following Trade Mark, which is a guarantee of quality:

SHELF GOODS — DOMINION WIRE MANUFACTG. CO. LTD. DOMINION TRADE MARK. — HEAVY GOODS

Wood Screws,	Wire Nails,
Wire Nails, (Papers),	Iron and Steel,
Bright Wire Goods,	Brass and Copper,
Wire Door Pulls,	Hay Baling,
Steel and Brass Jack Chain,	Pulp Binding,
"Crescent" Wire Coat and Hat Hooks.	Galvanized,
	Barbed.

WIRE

Bed, Blind, and Poultry Netting. } STAPLES { Bright and Galvanized Fence.

BROOM, MATTRESS, BOTTLING, and other wires.

Dominion Wire Manufacturing Co.

MONTREAL Limited TORONTO

LEADERS from COAST TO COAST

ARE OUR

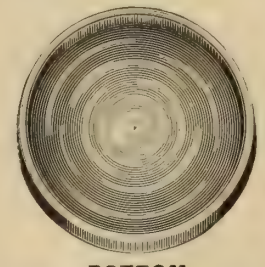
—MILK PAILS—



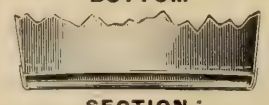
"HERCULES"

Heavy. Enduring. Rustless. Useful Leaders. Easy Sellers.

See how "Hercules" bottom is made.

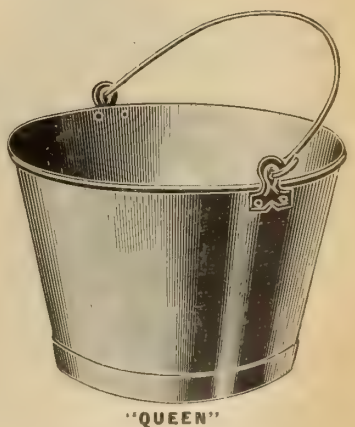


BOTTOM



SECTION: Deep Double Rolled Rim.

Quality Unsurpassed. Easily Emptied. Never Break.



"QUEEN"

Made of IXX Charcoal Tin, with heavy bails, Malleable Ears, XXXX Retinned Bottoms.
Prices right. Prompt delivery. Order sample dozen.

(BOTTOMS ALSO SOLD SEPARATE.)

THE THOS. DAVIDSON MFG. CO., Limited, MONTREAL, P.Q.

ESTABLISHED 1860. INCORPORATED 1895.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

Montreal, February 14, 1902.

HARDWARE.

THE movement in general hardware this week has been very good; even better than that of last week. Orders for immediate shipment are coming in considerably better, and payments are good. Manufacturers in the city declare that they are crowded with work. This is particularly applicable to twine manufacturers, some of who have had to refuse orders on account of the rush of business. After the effects of the great snowstorm here, orders came in with a rush from country buyers, but now trade has settled down to a normal state, and a steady demand prevails. On the whole, the outlook for 1902 is very bright.

BARB WIRE.—There is a good inquiry. We quote, per 100 lb., f.o.b. Montreal, $3.00.

GALVANIZED WIRE.—There is still but a slight demand, and prices are steady. Our quotations are as follows: Nos. 6, 7 and 8 gauge, $3.45; No. 9, $2.80; No. 10, $3.55; No. 11, $3.65; No. 12, $2.95; No. 13, $3.05; No. 14, $4.05; No. 15, $4.55; No. 16, $4.80; No. 17, $5.20; No. 18, $5.45.

SMOOTH STEEL WIRE.—There is a good movement. We quote bright iron and annealed on a base of $2.60 per 100 lb., f.o.b. Montreal, Toronto, Hamilton, London, St. John and Halifax. Net extras, per 100 lb. are: Coppered wire, 60c.; tinned wire, $2; oiling, 10c.; spring wire, $1.25; best steel wire, 75c.; bright soft drawn, 15c.; special hay-baling wire, 30c.

FINE WIRE.—The market is still quiet. The discount is 22½ per cent.

BRASS AND COPPER WIRE.—There is a very light demand. The discount on both wires is 60 per cent.

FENCE STAPLES.—A good number of orders for spring are being booked this week. Prices per 100-lb. keg are: Bright, $2.90; galvanized, $3.25.

WIRE NAILS.—A very small improvement is noticed in the demand, but business is still quiet. We quote as follows: $2.55 for small lots and $2.50 for carlots f.o.b. Montreal, London, Hamilton, Toronto, Gananoque, Brantford, Windsor, Ont., St. John and Halifax.

CUT NAILS.—Trade is only fair. We quote: $2.35 per keg for small lots and $2.27½ in carlots. Flour barrel and coopers' nails are discounted at 40 per cent.

HORSE NAILS.—These are moving out slowly. We quote: "C" brand at 50 and 7½ per cent. off and "M" brand at 60 per cent. off on oval and new city heads and 66 2-3 per cent. off for new countersunk heads.

HORSESHOES.—The demand is still light. We quote as follows: Iron shoes, light and medium pattern, No. 2 and larger, $3.50; No. 1 and smaller, $3.75; snow shoes, No. 2 and larger, $3.75; No. 1 and smaller, $4; X L steel shoes, all sizes, 1 to 5, No. 2 and larger, $3.60; No. 1 and smaller, $3.85; feather-weight, all sizes, $4.85; toe weight, steel shoes, all sizes, $5.95 f.o.b. Montreal; f.o.b. Hamilton, London and Guelph, 10c. extra.

SCREWS.—There is a good inquiry for screws. There is nothing new in prices. The discounts are as follows: Flat head bright, 87½ and 10 per cent. off list; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.

BOLTS.—There has been no change in bolts or nuts this week. A moderate trade is being done. We quote: Norway carriage bolts, 60 and 5 per cent.; common, 55 and 5 per cent.; full square carriage bolts, 60 and 5 per cent.; machine bolts, 55 and 5 per cent.; coach screws, 70 per cent.; sleigh shoe bolts, 70 per cent.; blank bolts, 60 per cent.; bolt ends, 60 per cent.; plough bolts, 55 and 5 per cent.; tire bolts, 67½ per cent.;

Now is the Time to Place Your Orders.



The most perfect-working OIL STOVE made.

We are the Canadian Agents for the following goods:

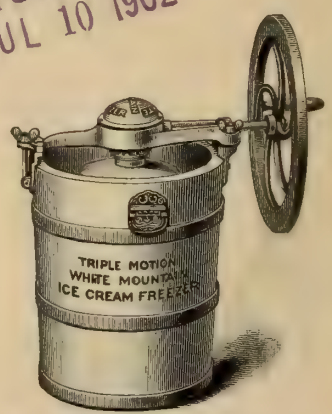
The Leonard Cleanable Refrigerator,

The White Mountain Ice Cream Freezer, and

The Dangler Wickless Oil Stove.

In view of the success we have had with the above goods in the past, we have placed very large orders for them this year and are now in a position to supply customers promptly in all lines.

By placing your orders early you will have the goods on hand when the season opens and thus secure business which is very often lost through ordering late.



Freezes Ice Cream smoother than any other.

The White Mountain Freezers and Leonard Cleanable Refrigerators are extensively and well advertised in all the leading magazines, and consequently they are better known throughout Canada than any other makes.

The result is that every dealer will find it to his advantage to handle them.

We shall be pleased to furnish you with advertising matter, prices, and complete information on these goods.

The McClary Manufacturing Co.,

LONDON, TORONTO, MONTREAL, WINNIPEG, VANCOUVER, ST. JOHN, N.B.

"Everything for the Tinshop."

RETURNED JUL 10 1902
RETURNED JUL 10 1902

ENGLISH
GERMAN
BELGIAN
CANADIAN
AMERICAN
} PORTLAND CEMENTS.

FIRE
BUILDING
ENAMELLED
SILICA
MAGNESIA
} BRICKS.

DRAIN
CULVERT
} PIPES.

F. HYDE & CO.
31 WELLINGTON ST., MONTREAL

. . FULL STOCK . .
Salt Glazed Vitrified
SEWER PIPE
Double Strength Culvert Pipe a Specialty.
THE CANADIAN SEWER PIPE CO.
HAMILTON, ONT. TORONTO, ONT.
ST. JOHNS, QUE.

Deseronto Iron Co.
LIMITED
DESERONTO, ONT.
Manufacturers of
CHARCOAL PIG IRON
BRAND "DESERONTO."
Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

The Robin Hood Powder Company
If you want the best Trap or Game load in the world, buy "Robin Hood Smokeless," in "Robin Hood" Shells. It is quick, safe, and reliable. Try it for pattern and penetration from forty to seventy yards against any powder on the market. We make the powder, we make the shells, and we load them. Write for our booklet, "Powder Facts."
The Robin Hood Powder Company
SWANTON, VT.

stove bolts, 67½ per cent. To any retailer an extra discount of 5 per cent. is allowed. Nuts, square, 3¾c. per lb. off list; hexagon nuts, 4c. per lb. off list To all retailers an extra discount of ¼c. per lb. is allowed.

BUILDING PAPER.—A number of declines are quoted in building paper, due, as is the general opinion, to price-cutting on the part of some firms. Dry sheathing, tarred sheathing, dry fibre, tarred fibre, O K and I X L, are each 5c. per roll lower. We quote as follows: Tarred felt, $1.70 per 100 lb.; 2-ply, ready roofing, 85c. per roll; 3-ply, $1.10 per roll; carpet felt, $2.25 per 100 lb., dry sheathing, 30c. per roll; tar sheathing, 40c. per roll; dry fibre, 50c. per roll; tarred fibre, 60c. per roll; O K and I X L, 65c. per roll; heavy straw sheathing, $30 per ton; slaters' felt, 60c. per roll.

CORDAGE. The situation remains about the same. There is a very heavy demand for twine, and prices are firm. We quote as follows: Manila, 16c.; British Manila at 13½c.; sisal, 12c. and lathyarn at 10½c. Manitoba prices are: Manila, 16c.; British manila, 14½c.; sisal, 13c. and lathyarn, 12c.

RIVETS AND BURRS.—The movement is still rather light. Discounts are: Best iron rivets, section, carriage, and wagon box, black rivets, tinned do., coopers' rivets and tinned swedes rivets, 60 and 10 per cent.; swedes iron burrs are quoted at 55 per cent. off; copper rivets, 35 and 5 per cent. off, and coppered iron rivets and burrs, in 5-lb. carton boxes, are quoted at 60 and 10 per cent. off list.

SCREEN WIRE CLOTH.—Orders for spring delivery have been coming in better this week. The price is $1.25 per 100 square feet.

POULTRY NETTING.—There is a moderate demand at steady prices. Canadian or English is discounted at 60 per cent. off 2 x 2 mesh, 19 wire, and 55 per cent. off 2 x 2 mesh heavier, Canadian list.

HARVEST TOOLS. There is a much better movement this week, notwithstanding unfavorable weather conditions. The discount is 70 per cent.

FIREBRICKS.—The demand for firebricks has been very light. We quote as follows: Scotch, $19 to $23.50; English, $18.50 to $22.50 per 1,000.

CEMENT. A slight improvement in the demand is noticed this week. We quote: German cement, $2.30 to $2.40; English, $2.25 to $2.35; Belgian, $1.70 to $1.95 per bbl. ex-wharf, and American, $2.20 to $2.30 ex-cars.

METALS.

There is a good local movement in metals, and prices are firm all around. Prices are going up on the English market, and on some lines. English firms have refused to give quotations to distant buyers. Tinplates, galvanized iron and black sheets are gradually going up, and Canada plates are also rising. On the last-mentioned, a change to higher prices on this market is not unlikely. We quote as follows:

PIG IRON. Moderate demand. Summerlee, $21 to $21.50; Canadian, $18.50 to $19.

BAR IRON. There is a fair inquiry. We quote as follows: Merchants' bar, in small lots, $1.95; horseshoe iron, $2.15 to $2.20.

BLACKSHEETS.—Prices remain firm. There is a light movement. Our quo-

ANVILS AND VISES
MADE BY
Henry Wright & Co.
SECOND TO NONE.
PRICE MODERATE.
STOCK IN MONTREAL.
A. C. LESLIE & CO.
AGENTS MONTREAL.



IRON AND BRASS
Pumps
Force, Lift and Cistern Hand and Power.
For all duties. We can supply your wants with—quality the best and prices right. Catalogues and full information for a request.
THE R. McDOUGALL CO., Limited,
Manufacturers, GALT, CANADA.

ADAM HOPE & CO.
Hamilton, Ont.
We offer for prompt shipment
Pig Tin,
L. & F. and STRAITS.
Ingot Copper, O.C.
Pig Lead.
Spelter.
Antimony.

NOVA SCOTIA STEEL & COAL CO., Limited
NEW GLASGOW, N.S.
Manufacturers of
Ferrona Pig Iron
And SIEMENS MARTIN
OPEN HEARTH STEEL.



Nobody but ourselves make **Elastilite Varnish,** and we know the reason why. "Here it is"—Because nobody else knows how and we wont tell them.

Elastilite Varnish is for either outside or inside use. Once sold always asked for. This is what builds up trade. Try a sample order.

MANUFACTURED ONLY BY

The Imperial Varnish & Color Co. LIMITED

Toronto, Ont., Canada.

OUR MOTTO—"Not How Cheap, but How Good."

THE SURVIVAL OF THE FITTEST

is the conclusive test of all paint. What's the use of you worrying about the "component parts" and the "chemical analysis" of theory.

The essential point is: Sell a paint adapted to the work, and one that will give the best satisfaction.

"Ark Brand" Paint

is guaranteed to give the user perfect satisfaction.

Write for our Booklet: "Paint and How to Use It."

THE FRANCIS-FROST CO. Limited

TORONTO.

Canadian Distributing Agents for Grippin's Crack Filler.

tations are as follows: 28 gauge, $2.65; 26 gauge, $2.60; 20 to 24 gauge, $2.50, and 8 to 20 gauge, $2.50.

GALVANIZED IRON.—Jobbers report a better demand this week. We quote: No. 28, Queen's Head, $4.40; Apollo, 10½ oz., $4.40; Comet, $4.25 with 10c. extra in less than case lots.

INGOT COPPER.—We quote 14c.

INGOT TIN.—Trade is quiet. The price for Straits is 27c.

PIG LEAD.—Business is active. Prices are unchanged. We quote $3.

LEAD PIPE.—There is a fair inquiry this week for lead pipe. We quote: Composition waste, 7½c.; ordinary, 7c. The discount is 35 per cent.

IRON PIPE.—There is a very good movement this week. We quote per 100 feet for standard pipe, screwed and coupled, in lengths under 19 feet, as follows: Black pipe, ⅛, $3; ¼, $2.50; ⅜, $2.75; ½, $3.15; ¾, $3.70; 1-inch, $5.25; 1¼, $7.40; 1½, $8.90; 2-inch, $12.25. Galvanized, ⅜, $3.55; ½, $4.15; ¾, $5.05; 1-inch, $7.25; 1¼, $10.10; 1½, $12.15; 2-inch, $16.55. Extra heavy pipe, plain ends, are quoted, per 100 feet, as follows: Black, ½, $4.50; ¾, $5.30; 1-inch, $7.60; 1¼, $10.60; 1½, $12.70; 2-inch, $17.30. Galvanized, ½, $5.50; ¾, $6.70; 1-inch, $9.60; 1¼, $13.30; 1½, $15.95; 2 inch, $21.60. For threads and couplings, 5 per cent. is added.

TINPLATES.—Business is as usual, and there is nothing new in prices. We quote: Cokes, $4.50 per box; charcoal, $4.75 to $5.25.

CANADA PLATE.—Prices are becoming stiffer and it is expected that an advance will have to be made in the near future. The demand is fair. We quote as follows: 52's, $2.65 to $2.70; 60's, $2.75 to $2.80; 75's, $2.80 to $2.85; full polished, $3.75, and galvanized, $4.25 to $4.35.

STEEL.—There is nothing new to report. We quote: Sleighshoe, $2.05; tire, $2.15; bar, $2; spring, $2.85; machinery, $3; toecalk, $2.60.

SHEET STEEL.—There is a fair inquiry. We quote as follows: Nos. 10 to 20, $2.50; 3-16, $2.50; ¼, 5-16, and ⅜, $2.40.

TOOL STEEL.—Some improvement in the tone is noticed. Diamond is worth 8c., and Jessop's, 13c.

TERNE PLATES.—The demand is still very light. The price is $7.75 to $8.

COIL CHAIN.—Chain is in good demand. We quote as follows: No. 6, 12½c.; No. 5, 10½c.; No. 4, 10c.; No. 3, 9½c.; ¼-in., 7½c. per lb.; 5-16, $4.80; 5-16 exact, $5.25; ⅜, $4.25; 7-16, $4.05; ½, $3.85; 9-16, $3.75; ⅝, $3.55; ¾, $3.50; ⅞, $3.45; 1-in., $3.45. In carload lots an allowance of 10c. is made.

SHEET ZINC.—We quote $5.75 to $6.25.

ANTIMONY.—Nothing doing. Price is 10c.

ZINC SPELTER.—We quote 5c.

SOLDER.—A steady demand continues. Prices are the same. We quote: Bar solser, 18c.; wire solder, 20c.

PAINTS AND OILS.

At the points of production it is noticeable that both turpentine and linseed oil have developed considerable strength, and although there has been no quotable change on the local market, higher prices may be asked for almost any time. Importers are buying turpentine pretty freely now, which fact suggests that they expect a further advance in prices on the primary markets. Paris green prices are well maintained, and there is a good demand for forward shipment. American makers are not now so keen for Canadian business, as they find that their own market will require about all that they can produce. Shellac varnishes are expected to go higher in price, on account of the present strong position of the gum. White lead, at the current quotations, is moving freely, a considerable improvement over last week. Altogether, the business in general paints has been quite up to the mark during the past week. We quote:

WHITE LEAD.—Best brands, Government standard, $5.87½; No. 1, $5.50; No. 2 $5.12½; No. 3, $4.75; No. 4, $4.37½ all f.o.b. Montreal. Terms, 3 per cent. cash or four months.

DRY WHITE LEAD—$5.25 in casks; kegs, $5.50.

DRY WHITE ZINC — Pure dry, 6¼c.; No. 1, 5¼c.; in oil, pure, 7¼c.; No. 1, 6¼c.; No. 2, 5¼c.

PUTTY — We quote: Bulk, in bbls., $1.90 per 100 lb.; bulk, in less quantity, $2.05; bladders, in bbls., $2.25; bladders, in 100 or 200 lb. kegs or boxes, $2.40; in tins, $2.55 to $2.65; in less than 100-lb. lots, $3 f.o.b. Montreal, Ottawa, Toronto, Hamilton, London and Guelph. Maritime Provinces, 10c. higher, f.o.b. St. John and Halifax.

ORANGE MINERAL—Casks, 7c.; 100 lb. kegs, 7¼c.; smaller quantities, 8¼c.

RED LEAD — Genuine red lead in casks, $4.50; in 100-lb. kegs, $4.75; less quantities, $5.75 per 100 lb. No. 1 red

lead, casks, $4.25; kegs, $4.50, and smaller quantities, $5.50.

LITHARGE—Ground, casks, 5c.; less, 5½c.; flake litharge, casks, $5.25; smalls, $5.75 per 100 lb.

LINSEED OIL—Raw, 75c.; boiled, 78c. In 5 to 9 bbls., 1c. less; 10 to 20 bbl. lots, open, net cash, plus 2c. for four months. Delivered anywhere in Ontario between Montreal and Oshawa at 2c. per gal. advance and freight allowed.

TURPENTINE.—Single bbls., 67c.; 2 to 4 bbls., 66c.; 5 bbls. and over, open terms.

SHELLAC VARNISH — Pure white, $2.35 to $2.45; orange, $2.25 to $2.35.

MIXED PAINTS—$1.20 to $1.45 per gal.

CASTOR OIL—8¾ to 9¼c. in wholesale lots, and ¼c. additional for small lots.

SEAL OIL—47½ to 49c.

COD OIL—32½ to 35c.

PARIS GREEN — Petroleum barrels, 16¾c. per lb.; arsenic kegs, 17c.; 50 and 100-lb. drums, 17½c.; 25-lb. drums, 18c.; 1-lb. packages, 18½c.; ½-lb. packages, 20½c.; 1-lb. tins, 19½c.; ½-lb. tins, 21½c. f.o.b. Montreal. Terms: 3 per cent. 30 days, or four months from date of delivery.

SCRAP METALS.

There is practically no change in the situation of scrap metals. Wrought iron and machinery scraps are still very scarce, and the prices quoted are firm. We quote: Heavy copper and wire, 10 to 10½c. per lb.; light copper, 9c.; heavy red brass, 9c.; heavy yellow, 9c.; light brass, 4c.; lead, 2⅞ to 2⅝c.; zinc, 2 to 2¼c.; iron, No. 1 wrought, $14; machinery scrap, $14; stove plate, $8 to $9; light iron, No. 2, $5 per ton; malleable and steel, $4; rags, country, 60 to 70c. per 100 lb.; old rubbers, 6 to 6½c. per lb.

GLASS.

Business is quite active and prices are unchanged. We quote as follows: First break, 50 feet, $2.10; second, $2.20 for 50 feet; first break, 100 feet, $4.00; second break, $4.20; third break, $4.70; fourth break, $4.95.

HIDES.

The market is quiet. We quote: No. 1 hides, 7c.; No. 2, 6c.; No. 3, 5c. Lambskins sell for 65c.

MONTREAL NOTES.

Recent changes in the prices of building paper include dry and tarred sheathing, dry and tarred fibre, and O K and I X L, each of which has declined 5c. per roll.

ONTARIO MARKETS.

Toronto, February 14.

HARDWARE.

SHIPMENTS are becoming quite brisk in tinware, enamelled ware, and dairy supplies which had been booked for future delivery. Delivery in some of these lines is being made earlier than usual owing to the pressing demands of country customers. Quite a few orders are still being booked for wire nails, barb wire, plain galvanized wire and oiled and annealed. Only an occasional order is now being booked for harvest tools, and practically all the orders appear to have been booked for spring doors and windows. The demand keeps good for bolts and rivets and business is fair in screws. Very little is now being done in building paper. Sisal rope shows another advance of ½c. per lb., the base price now being 12½c. per lb. Tarred lath yarn is also higher, being quoted at 11c. These are the only quotable changes this week.

BARB WIRE—There are still a few orders being booked on future account and prices are steady and unchanged. We quote as follows: F.o.b. Cleveland, $2.77½ for less than carlots, and $2.65 for carlots. From stock Toronto, $3

GALVANIZED WIRE—A few orders are being booked for future delivery. We quote: Nos. 6, 7 and 8, $3.50 to $3.85 per 100 lb., according to quantity; No. 9, $2.85 to $3.15; No. 10, $3.60 to $3.95; No. 11, $3.70 to $4.10; No. 12, $3 to $3 30; No. 13, $3.10 to $3 40; No. 14, $4.10 to $4.50; No. 15, $4.60 to $5.50; No. 16, $4.85 to $5.35. Nos. 6 to 9 base f.o.b. Cleveland are quoted at $2.52½ in less than carlots and 12c. less for carlots of 15 tons.

SMOOTH STEEL WIRE—Some business has been done during the week in oiled and annealed for spring delivery. The base price is as follows: $2.60 per 100 lb. Oiling 10c.; coppering, 60c., and tinning, $2 per 100 lb. extra. Delivery points, Toronto, Hamilton, London and Montreal, with freights equalized on those points.

WIRE NAILS—Prices are steady, and the principal business being done is still on future account. We quote $2.55 for less than carlots, and $2.50 for carlots. Delivery points, Toronto, Hamilton, London, Gananoque and Montreal.

CUT NAILS—Trade continues uninteresting. We quote base price $2.35 per keg, with 7½c. allowance on carlots.

HORSE NAILS — The movement is light. Discounts are as follows: "C" brand, oval head, 50 and 7½ per cent., and on "M" and other brands, 50, 10 and 5 per cent. Countersunk head 60 per cent.

HORSESHOES—Business is only moderate. We quote f.o.b. Toronto: Iron shoes, No. 2 and larger, light, medium and heavy, $3.60; snow shoes, $3.85; light steel shoes, $3.70; featherweight (all sizes), $4.95; iron shoes, No. 1 and smaller, light, medium and heavy (all sizes), $3.85; snow shoes, $4; light steel shoes, $3.95; featherweight (all sizes), $4.95.

SCREWS—A fairly-good trade is still being done. Discounts are as follows: Flat head bright, 87½ and 10 per cent.; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.; round head bronze, 65 per cent., and flat head bronze 70 per cent.



RIVETS AND BURRS—The machine shops and boiler makers are becoming increasingly busy, and there is a good demand for rivets, and especially for the smaller sizes. We quote as follows: Iron rivets, 60 and 10 per cent.; iron burrs, 55 per cent.; copper rivets, with usual proportion of burrs, 45 and 10 per cent.; copper burrs alone, 30 and 10 per cent.

BOLTS AND NUTS — Trade is keeping up well. We quote as follows: Carriage bolts, common ($1 list), 55 and 5 per cent.; carriage bolts, full square ($2.40 list), 60 and 5 per cent.; carriage bolts, Norway iron ($3 list), 60 and 5 per cent.; machine bolts, all sizes, 55 and 5 per cent.; coach screws, 70 per cent.

ROPE—Sisal rope has advanced ½c. per lb., and is now quoted at 12½c. base. Tarred lathyarn is also higher, being quoted at 11c. Manila rope is unchanged. Pure manila, 16c.; British manila, 13½c. The hemp market rules firm on both sides of the Atlantic.

DAIRY SUPPLIES—Milk can trimmings are going forward freely. Discount 25 per cent.

TINWARE—Shipments show quite an improvement this week, and they are now quoted brisk. Discount 40 per cent.

ENAMELLED WARE—Customers are now looking forward to spring requirements and are pressing for delivery, and quite a few shipments have been made during the week.

SAP BUCKETS—These are still going forward freely. Discount 40 and 10 per cent.

SCREEN DOORS AND WINDOWS—Booking

for future delivery is now practically over for the season, only an occasional order coming to hand. Common doors, 2 or 3 panel, are quoted f.o.b. factory points as follows: Walnut, stained, 3-in. style, $6.80 per dozen; stained, yellow, $7; natural color, oil finish, $8.15; 4-in. style, 20c. extra per dozen. Windows: No. 0, $1.60; No. 1, $1.70; No. 2, $1.95; No. 3, $2.10; No. 4, $2.50 per dozen.

EAVETROUGH—Orders are being booked for future delivery. The ruling price for 10-inch is $3.10 per 100 feet. This figure is the same as last year, and is lower than the cost of raw material warrants. An effort, however, is being made to effect an agreement among the different manufacturers whereby the cutting of prices will be discontinued.

SPADES AND SHOVELS—A few orders are still being booked. Discount 40 and 5 per cent.

HARVEST TOOLS — An occasional order for future delivery is still being received. Discount 70 per cent.

GREEN WIRE CLOTH—Only a small trade on future account is now being done. We quote $1.25 per 100 square feet.

ICE CREAM FREEZERS AND REFRIGERATORS—Orders in both these lines are now being booked for future delivery. Not a great many so far have been booked.

BUILDING PAPER — The demand has fallen off, and is now light. Quotations are as follows: Dry sheathing, grey or straw, 30c. per roll; tar sheathing, grey or straw, 40c. per roll; dry fibre, 50c. per roll; tarred fibre, 60c. per roll.

POULTRY NETTING—Some shipments are being made. We quote: 2-in. mesh, 19 w.g., discount 60 per cent.; 2-in. mesh, 18 w.g. and heavier, 50 and 10 per cent.

CEMENT—The severe weather is causing this material to be quiet, but the outlook for a good season's business is becoming brighter. The prices are steady and unchanged. We quote: Canadian Portland, Rathbun's "Star," $2.25 to $2.65; "Beaver," $2.10 to $2.50; "Ensign," $1.90 to $2.30; German, $3.15; English, $3; Belgian, $2.50 to $2.75; Canadian hydraulic, $1.25 to $1.50 per bbl.

METALS.

Iron and steel continue strong, and the same remarks apply to nearly all sheet metals.

PIG IRON — The pig iron market still rules decidedly strong, and in the United States premiums are being paid in some instances for prompt delivery. The idea for No. 2 foundry is $18 on track Toronto.

STEEL—The market is firm, with difficulty being experienced in getting supplies. Quotations by Toronto wholesalers are: Merchantable cast steel, 9 to 15c. per lb.; drill steel, 8 to 10c. per lb.; "BC" and "Black Diamond" tool steel, 10 to 11c.; Jessop's, Morton's and Firth's tool steel, 14c.; toe-calk steel, $2.85 to $3; tire steel, $2.30 to $2.50; sleighshoe steel, $2.10 to $2.25; reeled machinery steel, $3, hoop steel, $3.10.

BAR IRON — Prices are steady and unchanged. The demand is not brisk and some of the mills appear to be disappointed. The base price is $1.95 to $2.05. Extras cut to length while rolling: 2 ft. and over, 10c. per 100 lb.; 1 ft. and under 2 ft., 15c.; under 1 ft., 20c.; over 20 ft. by special agreement, according to length and size.

BLACK SHEETS—The demand continues good with prices steady and unchanged. We quote as follows: Common, $3 15 for 28 gauge; and dead flat, $2.50 for 26 gauge.

CANADA PLATES—Shipments from stock are small, but orders are being booked freely for forward delivery. The stiffening of prices is making dealers anxious to protect themselves. We quote as follows: All dull, $3.00; half polished, $3.10; all bright, $3.75.

GALVANIZED SHEETS—The cold weather has checked the demand for prompt delivery, but quite a few import orders are being booked. The outside markets rule firm. We quote: "Queen's Head" brand at $4.50 in case lots, and $4.65 in less quantities.

TIN — The British and United States markets are a little unsettled. A fair business is being done locally. Ruling price is still $28.

TINPLATES—Inquiries are numerous and sales good. During the past week there have been several advances in the primary market, and prices are about 10½d. higher than 10 days ago. Locally, no quotable change has taken place, and we still quote IC, usual sizes, at $4 per box.

TINNED SHEETS—These are going out freely for cheese vat and cheese factory can purposes. We quote: 72 x 30, up to 24 gauge, 7½c.; ditto, up to 26 gauge, 8c.

TERNE PLATES—Very little doing. We quote: I C, 20 x 28 gauge, at $8.50.

COPPER—The demand is fair both for ingot and sheet copper. We quote ingot at $15 per 100 lb., and sheet, plain, at $22 to $23.

BRASS—A fair trade is being done. Discount 15 per cent.

SOLDER—The demand is good. We quote: Half-and-half, guaranteed, 19c.; do. commercial, 18½c.; refined, 18c.; wiping, 17½c.

LEAD—Trade is quiet. We quote: $3.50 to $3.75 for pig lead and $5 for bar.

IRON PIPE — Trade is good and some houses report business ahead of last year at this time. We quote: Black pipe, $5.40 for 1-inch.; galvanized, $7.95 for 1-inch.

ZINC SPELTER—Trade is quiet. We quote $5.50 to $6 per 100 lb.

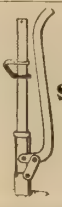
ZINC SHEET—While quiet it is fair for this time of the year. We quote $6 to $6.25 in casks and $6 25 to $6.50 in part casks.

ANTIMONY—Trade is fair. We quote 10c. per lb.

PAINTS AND OILS.

The paris green market is in an unsettled condition locally, some houses quoting one price and some another, so that for the present we withdraw quotations. In the majority of cases, however, prices are the same as quoted last week. The cold weather has made the local retail trade in paints and oils rather quiet, but wholesalers report that there are unusually heavy stock orders being received for this time of year for future delivery in March, April and May. The prices of raw and boiled linseed

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.
'WELLINGTON' KNIFE POLISH
JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
Wellington Mills, London, England.
Agent:
JOHN FORMAN, 644 Craig Street
MONTREAL


COVERT MFG. CO.
West Troy, N.Y.
Steel Carriage and Wagon Jacks,
Harness Snaps, Chain, Rope and Web Goods, etc.
FOR SALE BY JOBBERS AT MFRS. PRICES.

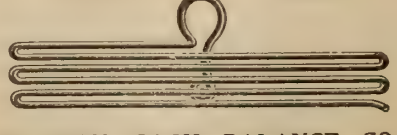
PRIEST'S CLIPPERS


Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., U.S.A.

The Best Door Closer is . . .
NEWMAN'S INVINCIALE FLOOR SPRING
Will close a door silently against any pressure of wind. Has many working advantages over the ordinary spring, and has twice the wear. In use throughout Great Britain and the Colonies. Gives perfect satisfaction. Made only by
W. NEWMAN & SONS,
Hospital St., - - BIRMINGHAM.

Oneida Community Goods
HALTERS, COW TIES SNAPS, etc., etc.,
in all sizes and styles. May be had of all jobbers throughout Canada.
Factory—NIAGARA FALLS, ONT.

Persons addressing advertisers will kindly mention having seen their advertisement in The Canadian Hardware and Metal Merchant.

"PULLMAN"
TROUSER or SKIRT HANGERS.
TWO SIZES

PULLMAN SASH BALANCE CO.,
ROCHESTER, N.Y., U.S.A.

oil remain firm, and are likely to continue so, as the English and United States quotations are higher than ours. Turpentine is quiet, but prices are steady. Varnishes are active and firm. No changes whatever have occurred since last week. We quote :

WHITE LEAD—Ex Toronto, pure white lead, $5.87½; No. 1, $5.50; No. 2. $5.12½; No. 3, $4.75; No. 4, $4.37½ in pkgs. of 25 lb. and upwards; ½c. per lb. extra will be charged for 12½-lb. pkgs.; genuine dry white lead in casks, $5.12½.

RED LEAD—Genuine, in casks of 560 lb. $5.12½; ditto, in kegs of 100 lb., $5.50; No. 1, in casks of 560 lb., $4; ditto, kegs of 100 lb., $4.50.

LITHARGE—Genuine, 6 to 6½c.

ORANGE MINERAL—Genuine, 7½ to 8c.

WHITE ZINC—Genuine, French V.M., in casks, $6 to $6.25; Lehigh, in casks, $6.

BENZINE—In barrel lots, 16½c. per gal.; less quantities, 25c. per gal.

PARIS WHITE—90c. to $1 per 100 lb.

WHITING — 65c. per 100 lb.; Gilders' whiting, 80c.

GUM SHELLAC — In cases, 35c.; in less than cases, 40c. per lb.

LIQUID SHELLAC—Pure orange, in bbls., $2.25 to $2.35; white, $2.35 to $2.45 per gal.; in less quantities, 10c. extra.

PUTTY—Bladders, in bbls., $2.25; bladders, in 100 lb. kegs, $2.40; bulk in bbls., $1.90; bulk, less than bbls. and up to 100 lb., $2.05; bladders, bulk or tins, less than 100 lb., $2.90.

PLASTER PARIS—New Brunswick, $1.90 per bbl.

PUMICE STONE — Powdered, $2.50 per cwt. in bbls., and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in bbls.

LIQUID PAINTS—Pure, $1.20 to $1.30 per gal.

CASTOR OIL — English, in cases, 9½ to 10c. per lb. and 10 to 10½c. for single tins.

LINSEED OIL—Raw, 1 to 4 barrels, 77c.; boiled, 80c.; 5 to 9 barrels, raw, 76c.; boiled, 79c., delivered. To Toronto, Hamilton and London, 2c. less.

TURPENTINE—Single barrels, 68c.; 2 to 4 barrels, 67c., delivered. Toronto, Hamilton and London 1c. less. For less quantities than barrels, 5c. per gallon extra will be added, and for 5-gallon packages, 50c., and 10-gallon packages, 80c. will be charged.

GLASS.

There is a light retail trade being done locally, but import orders are as yet coming in slowly. The stock prices are unchanged. We quote : Under 26 in., $4.25; 26 to 40 in., $4.65; 41 to 50 in., $5.10; 51 to 60 in., $5.35; 61 to 70 in., $5.75; 71 to 80, $6.25; 81 to 85, $7; 86 to 90, $7.75; Toronto, Hamilton and London. Terms, 4 months, or 3 per cent. 30 days. Discount off pane price list, 33⅓ per cent.

OLD MATERIAL.

The market is becoming steady and stocks of metals on hand are light. The demand is improving. The prices this week are unchanged. We quote : Agricultural, 60c. per cwt.; machinery cast, 60c.; heavy copper, 10c½. per lb.; stove cast, 40c.; No. 1 wrought, 50c. per 100 lb.; new light scrap copper, 7½c. per lb.; bottoms, 8c.; coil wire, 10c.; light brass, 5c.; heavy yellow brass, 7½c.; heavy red brass, 8c.; scrap lead, 2¼c.; zinc, 2c.; scrap rubber, 6c.; good country mixed rags, 50 to 60c.; clean dry bones, 40 to 45c. per 100 lb.

HIDES, SKINS AND WOOL.

There is a good demand for hides and skins, but for wool the market is very poor. There has been no change in prices. We quote what buyers pay on arrival :

HIDES—We quote : No. 1, green, 7c.; No. 2 green, 6c.; No. 1 green, steers, 8c.; No. 2 green, steers, 7c.; cured, 7¾ to 8c.

SKINS—We quote : No. 1 calfskins, 9c.; and No. 2, 7c.; deacons (dairies) 55 to 60c. each; sheepskins, 65 to 80c.; deerskins, 12½ to 14c. per lb.

WOOL—We quote : Fleece, 13c., and unwashed, 7 to 8c. per lb.

COAL.

Stocks of coal on hand are so light that there is no wholesale trade being done, and no quotations are made. There is enough stove coal on hand only to fill local retail orders. The prices at the bridge are still given as the same, but coalmen report there is none to be had. We quote at international bridges as follows : Grate, $4.75 per gross ton; egg, stove and nut, $5 per gross ton; soft coal, $2.50 to $3.25 in bond, according to grade.

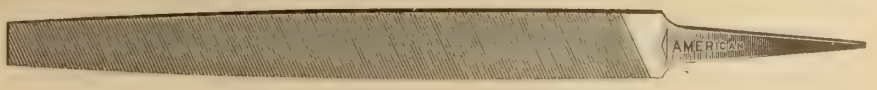
PETROLEUM.

Trade is nominal and prices are unchanged. We quote : Pratt's Astral, 16½ to 17c. in bulk (barrels, extra); American water white, 17 to 17½c. in barrels; Photogene, 16½ to 17c.; Sarnia water white, 16 to 16½c. in barrels; Sarnia prime white, 14½ to 15c. in barrels.

MARKET NOTES.

Sisal rope and tarred lathyarn are both higher, the former at 12½ and the latter at 11c.

A shipment of Samson's lumbermen's boot calks has been taken into stock by H. S. Howland, Sons & Co. This line of goods has been scarce lately.



ARE NOW MADE IN THE DOMINION.

The well-known AMERICAN and GREAT WESTERN brands

FILES AND RASPS

which have been imported from the United States for many years past, are now being manufactured by the

NICHOLSON FILE CO. (DOMINION WORKS) **PORT HOPE, ONT.**

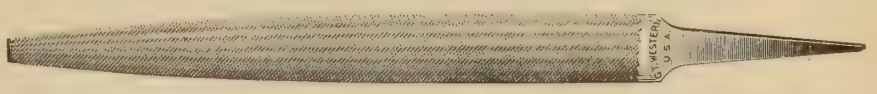
and may be purchased from any of the following Wholesale Hardware Merchants, who carry an assorted stock :

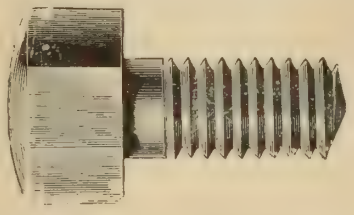
AMERICAN BRAND

Wood, Vallance & Co., Hamilton, Ont.
A. Macpherson & Son, Montreal, P.Q.
Geo. D. Wood & Co., Winnipeg, Man.
Thos. Dunn & Co., Vancouver, B.C.

GREAT WESTERN BRAND

Hobbs Hardware Co., London, Ont.
L. H. Hebert, Montreal, Que.
Chinic Hardware Co., Quebec, Que.
McLennan, McFeely & Co., Vancouver, B.C.
Hickman, Tye Hardware Co., Victoria, B.C.



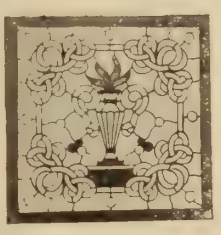


THE JOHN MORROW MACHINE SCREW COMPANY, Limited

Manufacturers of

Set and Cap Screws, Special Milled Work, Engine Studs, Etc. Cold Punched Nuts of every variety of finish.

INGERSOLL, ONT.



GLASS—

Art Leaded Glass.
Plate and Window Glass
Prismatic Glass.

All Glass required for building.

Catalogue and Prices on Application.

THE WOOD ART GLASS CO., London, Ont.

THE MAIL-ORDER DEPARTMENT.

TO a man keenly alive to the possibilities of the mail-order trade, remarks Printers' Ink, the lack of interest shown by most retailers in this department of their business is discouraging.

Business men, accounted bright and brainy, pursue the beaten path of retailing and refuse to open their eyes to the splendid opportunities of the mail-order field in plain view before them.

Without a mail-order department a store's circle of trade is confined within the territory of easy distance. It is limited to the people who find it more convenient to trade there than elsewhere. Add a mail-order department and the scope of trade is limited only by the limits of the postal system.

The great stores of our large cities gather orders through their mail-order departments from all parts of the country. While it is true that the prestige of location carries some weight, the retailers of the smaller cities may develop a mail trade by the same means.

Selling goods by mail is accomplished by the same process that is involved in selling over the counter. The difference is in the application of the process. Correspondence must take the place of conversation, and a sample or picture of the article must be substituted for an actual view of it. The arguments of the salesman must go into the catalogue and other forms of printed matter. As catalogues, booklets, letters, circulars and other printed things sent out are salesmen for the house, they must be neat and presentable, just as the salesmen in well-ordered stores are required to be careful of their personal appearance.

The difference between a successful salesman and one who is not will be found to exist in like manner between the successful and the unsuccessful mail-order literature. It is altogether a question of salemanship, for advertising is, manifestly, an effort to sell something. It follows, therefore, that the more closely the methods of a successful retail salesman are followed, in mail-order work, the better are the chances for success.

In the smaller cities and towns the merchants make strong efforts to get the country trade. The patronage of the farming community within a radius of 15 or 20 miles is usually an immense item and well worth cultivating. With the aid of the rural free-delivery system and a well-arranged mail-order department, the wide-awake merchant may place his whole store, virtually, at the elbow of the farmer and his family. They will buy more and buy oftener, because they can do so with little effort.

The greatest use of the mail-order department to merchants in small cities is in extending trade beyond the usual limits of easy distance. By intelligent, systematic, persistent work, he may build up a patronage, in the surrounding counties alone, worth thousands of dollars. There is no limit to the possible growth.

PERSONAL MENTION.

Mr. W. Stavert, the newly-appointed representative in Canada of Jenkins Bros., Boston, Mass., who was lately with Peck, Benny & Co., has been visiting the trade in Montreal this week for his new firm.

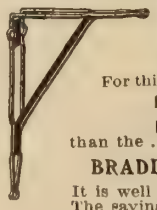
Mr. Ayer, representing The Walworth Manufacturing Co., Boston, is in Montreal this week.

Mr. A. B. Lee, president of Rice Lewis & Son, Limited, has been elected chairman of the Toronto Harbor Commission.

Mr. Marshall, of the firm of Congdon & Marshall, hardware merchants, Dunnville, Ont., was in Toronto this week on business. He reports prospects bright for a good year's trade.

Persons addressing advertisers will kindly mention having seen their advertisement in The Canadian Hardware and Metal Merchant.

ADVERTISING in WESTERN CANADA
will be Carefully Efficiently, and Promptly attended to, by
The Roberts Advertising Agency,
WINNIPEG CANADA.



Will Hold Up a Shelf!
That's what a shelf bracket is for.
For this purpose there can be
NOTHING BETTER
NOTHING CHEAPER
than the . . . .
BRADLEY STEEL SHELF BRACKET
It is well **Japanned, Strong** and **Light.** The saving in freight is a good profit, aside from the **lower price** at which the goods are sold.
☞ Order direct or through your jobber.
ATLAS MFG. CO., New Haven, Conn., U.S.A.

CONDENSED OR "WANT" ADVERTISEMENTS.

Advertisements under this heading, 2c. a word each insertion; cash in advance. Letters, figures, and abbreviations each count as one word in estimating cost.

ARTICLES FOR SALE.

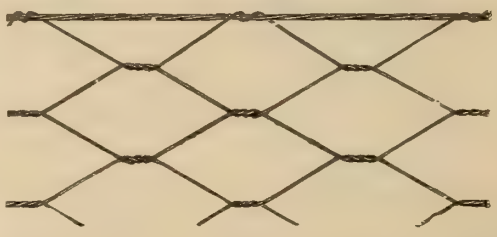
IRON SPIRAL STAIRCASE, HALF PRICE. Apply, Frank Russill, 159 King street east, Toronto. (7)

SALESMAN WANTED.

THOROUGH HARDWAREMAN FOR RETAIL trade, must be first-class in tools. Give full particulars. Box 79, HARDWARE AND METAL, Toronto. (7)

BUSINESS FOR SALE.

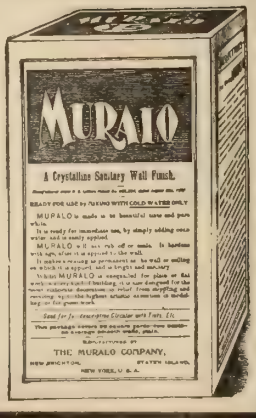
GOOD HARDWARE, STOVE AND TINWARE Business for sale in good town, Western Ontario stock, $5,000; possession given at any time. Grand chance. Apply, Box 78, HARDWARE AND METAL, Toronto. (7)



First-class FARM FENCING
only 30 cents per ROD
For Sale by — With Discount to Dealers.
The Ontario Wire Fencing Co.,
PICTON, ONT. — Limited.



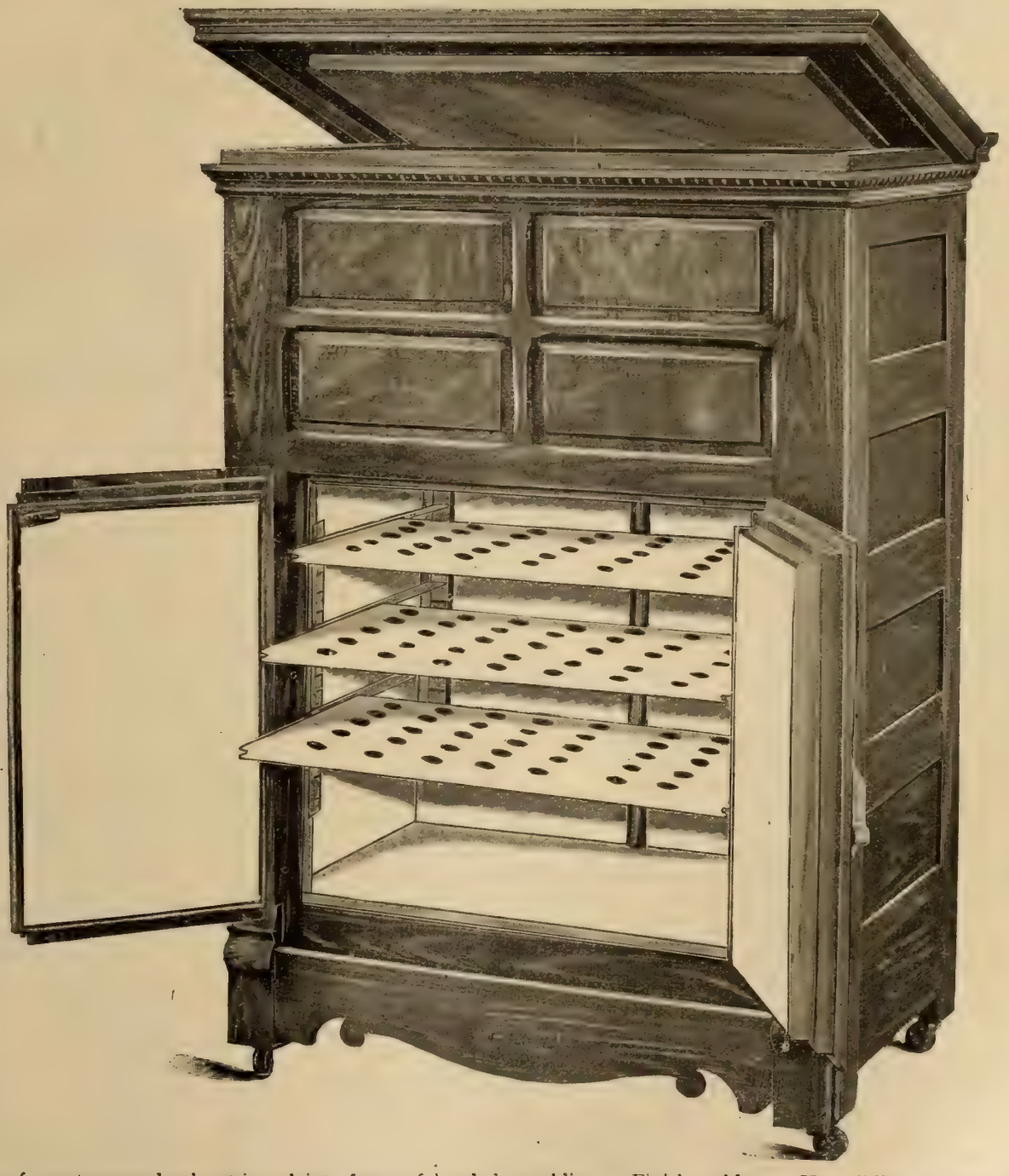
FOR SALE
125 tons 65-lb. Relaying Steel Rails with plates.
475 tons 56-lb. Relaying Steel Rails with plates.
80 tons 25-lb. Relaying Steel Rails with plates.
30 tons 14-lb. Relaying Steel Rails with plates.
Correspondence Solicited. *IMMEDIATE DELIVERY.*
SESSENWEIN BROS., - Montreal



MURALO THE HIGH-GRADE WALL FINISH
Write to any of the agents mentioned below and get particulars of the latest and best in **COLD WATER** Wall Finish. Mixes easier, works easier, sells on a better reputation than any other Wall Finish in the world. Manufactured by **THE MURALO CO.,** in **NEW YORK,** the largest producers in the world of cold water goods.
Agents:
A. RAMSAY & SON, - - - MONTREAL
J. H. ASHDOWN, - - - WINNIPEG
McLENNAN, McFEELY & CO., - VANCOUVER

THE LEONARD CLEANABLE REFRIGERATORS

FOR 1902.



Panels of quarter sawed oak set in a dainty frame of beaded moulding. Finish, golden. Has sliding shelves adjustable to any height without the aid of tools. Eight walls for insulation with mineral wool filling. Air-tight locks. Flues and waste pipe removable for cleaning. No wood exposed inside. Solid iron shelves and ice rack. Self-cleaning cast iron Trap, Real bronze trimmings and Ball-bearing casters. New catalogue now ready. Secure the agency if you want the best, and easiest selling refrigerator in the world.

CANADIAN AGENTS: **McCLARY MFG. CO.**

LONDON. TORONTO. MONTREAL. WINNIPEG. VANCOUVER. ST. JOHN, N.B.

HEATING AND PLUMBING

SOME BUILDING NOTES.

T. S. SIMMS & CO. are advertising for tenders for the erection of a three-storey brick and stone factory, 100x115 ft., on Union street, St. John, N.B.

J. N. Davidson is building a brick residence at Hikenside, Man.

A. W. Hubley is building a large hotel at Hubley Settlement, N.S.

It is stated that an electric light plant is to be established in Minnedosa, Man.

Harry Geary is collecting material for his new brick house at Springbank, Ont.

The starch works at Prescott, Ont., are about completed, aud the steamfitters are at work.

John Pedden is preparing for the erection of a brick and stone dwelling at Springbank, Ont.

Ernest White has let contracts for a white brick nine-roomed residence at St. Marys, Ont.

The Royal Bank of Canada is preparing plans for the erection of a $3,000 bank building at Hawkesbury, C.B.

L. Empey has taken out a permit at Ottawa for the erection of a brick-veneered dwelling on Percy street to cost $1,000.

St. James' Church, Orillia, Ont., is to have a new school building to cost $4,000 when completed, and tenders for its erection will be shortly asked for.

The Canadian Cordage Co., Peterboro', Ont., has recently had installed a new hot-blast heating apparatus made by The Sturtevant Co., of Boston, at a cost of $4,000. The principle of this system consists in a chest or chamber filled with stacks of pipe coils heated with steam from a boiler. From this chamber the heated air is distributed, by means of a large rotary fan, uniformly to all parts of the building, thus giving, it is claimed, a steady and evenly-distributed heat to the 700,000 cubic feet of space contained in the main buildings, which cover nearly an acre of superficial area.

BUILDING CONTINUES BRISK.

Since last week the building permits taken out from the Toronto City Commissioner's office are as follows: Fred H. Davis for two small one-storey brick stores on 977½ and 979 Bloor street west, to cost $500; W. J. Bolus & Co. for brick alterations to their store on 245 Yonge street, for $5,000; Mrs. M. Elliott for alterations consisting of a brick foundation and gravel roof to dwelling on 55 and 57 Mutual street, for $1,500; Geo. Webb for a stone cellar under his dwelling on 103 and 105 Fuller street, for $350; The Standard Chemical Co., Gooderham building, for the erection of a 1½-storey stable on the Esplanade west, for $500; A. Clarke for a two-storey and attic brick dwelling on 36 Howard avenue, for $2,700; J. Minto for a pair of two-storey brick and stone stores on 593 and 595 Dundas street, for $3,000; Bawn & Farnworth for the erection of three two-storey stores and dwellings of brick on 570 College street, for $2,500; F. Everest for a two-storey brick dwelling on Concord avenue, for $2,500; A. C. McKay for a two-storey addition to his roughcast dwelling on Prince Arthur avenue, for $200; Wm. Fogoe for a two-storey roughcast dwelling on Gladstone avenue, for $700; Herbert N. Death for a pair of semi-detached two-storey and attic brick dwellings on Dovercourt Road, for $4,000, and Geo. Marten for a two-storey and mansard, three sides brick, addition to dwelling in rear of 85 Shuter street, for $600.

HALIFAX PLUMBING BY-LAW.

A committee presided over by Alderman Geldert was recently appointed at Halifax to revise the plumbing by-law. In their report they amend the regulation by providing that any person or corporation carrying on a plumbing business in the city may be granted a license upon condition that only certificated plumbers be sent out to do the work. This by-law as amended came up before the Halifax Board of Health on February 4 and was given its first and second readings.

RETAIL MERCHANTS ELECT OFFICERS.

PRESIDENT W. B. ROGERS was chairman at the annual meeting of the Toronto branch of the Retail Merchants' Association of Canada on Tuesday evening, February 12, in the Temple Building.

The proceedings were opened with addresses by Messrs. J. A. Flett, Hamilton, vice-president of the Dominion Trade Congress, and James Wilson, ex-president of the Toronto Trades and Labor Council, who desire to organize the retail clerks in Toronto, with the consent of the merchants.

George J. St. Leger suggested that the retail merchants should have a representative on the Trades and Labor Council. James Wilson promised to lay the matter before that body.

President W. B. Rogers in his annual address stated that he was in favor of any scheme having for its object the beautifying of the city. It would meet with the approval of all retail merchants. He touched on the abolition of trading stamps and thought that the legislation of last session would be sustained. He concluded by mentioning that Montreal has the power to levy a special tax on departmental stores, and that a Bill modeled on the Montreal measure was being prepared by the Toronto executive to be brought before the Ontario Legislature at any early date.

John Hargreaves, for the drug, S. R. Hanna, for the boot and shoe, and J. Wilmott, for the butchers' section all had something to say on the abolition of trading stamps.

Reports were also made by F. E. Higgins, for the grocers', and P. N. Judah for the fruiterers' section, and S. Corrigan for the collecting department.

The financial report showed a balance of $11.60 on hand.

John Hargreaves moved a resolution instructing the Executive Committee of the Association to appoint a committee to investigate the manner in which the civic assessment department are dealing with the taxation of the city.

The following officers were elected:

President—W. B. Rogers.
First Vice-President—J. Wilmott.
Second Vice-President—G. J. St. Leger.
Treasurer—Wm. Dineen.
Secretary—E. M. Trowern.
Representatives to Exhibition Board—G. J. St. Leger and Thomas Bilton.

At the close of the proceedings the president was presented with a handsomely-framed address by the members.



You may be looking for a Good

Pipe Hanger.

Ask us about the

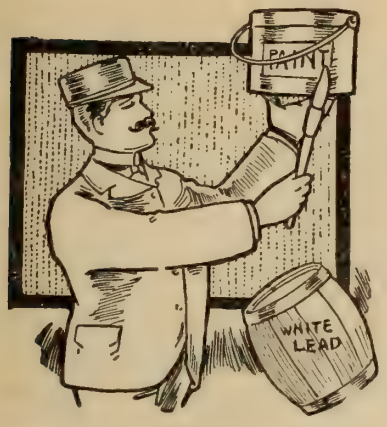
"Grabler."

We send you booklet illustrating the different kinds.

The James Morrison Brass Mfg. Co.
TORONTO. Limited.

ABOUT THIS PAINT QUESTION

When it comes to selling, you want a paint that will bring you money. That's all we're in business for. The question of price has something to do with it. The question of quality has a great deal more. People realize at last that ready-mixed paints are the paints for a house; the business is here to stay. Don't kill your trade in this progressive branch with cheap paints, don't kill it with dear paints. A cheap paint is one of the dear paints; any amount of advertising will not save your business with anything but first-class paint. **RAMSAYS PAINTS** have proved winners on account of quality, on account of price which is just right for a first-class paint—a high-grade paint—the best that is known to the paint maker.



Our travellers can tell you what we can do for 1902 and so can we if you will write.

A. RAMSAY & SON
MONTREAL.
Paint Makers. Established 1842.

Canada Foundry Company
LIMITED

Architectural Iron { BEAMS, COLUMNS, CASTINGS, FIRE ESCAPES

Waterworks Supplies { PIPES, SPECIALS, HYDRANTS, VALVES.

Railway Supplies { BRAKE SHOES, FROGS, SWITCHES.

Ornamental Iron { GRILLS, FENCES, RAILINGS.

General Jobbing

HEAD OFFICE:
TORONTO, ONT.

District Offices:
Montreal, Que., Halifax, N. S., Winnipeg, Man., Vancouver, B. C., Rossland, B. C.



DO YOU HANDLE

Standard Silverware?

If not, you should. Many hardware dealers are selling these goods with profit to themselves and **satisfaction** to their customers.

STANDARD Silverware means **HIGH STANDARD** Silverware.

Every article bearing our trade mark has an absolute guarantee of quality. **If you find any imperfect goods with our brand upon them, return them at once.**

CATALOGUE AND PRICE LIST UPON APPLICATION.

Standard Silver Co.,
Limited

31-43 Hayter Street, **TORONTO**

THE COURSE OF PRICES.

DUN'S index number of the course of prices, with due allowance for the relative importance of each commodity, was $99,576 on February 1. This indicates a decrease of slightly more than $2 from the level of January 1, which was the highest point of recent years. The fall of nearly 2 per cent. reflects the reaction in grain speculation which produced sympathetic declines in prices of meats. Price changes during January emphasize two gratifying points ; that the manipulated rise in corn was checked without involving greater disasters, and that the quotations of iron and steel were not excessively advanced, despite conditions most favorable for the establishment of an abnormal price level.

The index number of February 1 is given below, separated into seven classes showing where changes were most extensive, and earlier dates are also given for comparison :

	Feb. 1, 1902.	Jan. 1, 1902.	Feb. 1, 1901.
Breadstuffs	$19,565	$20,002	$15,062
Meats	9,494	9,670	8,592
Dairy and garden..	14,384	15,248	13,868
Other food	8,961	8 952	9,416
Clothing	15,460	15,547	16 271
Metals.....	15 494	15,375	15,845
Miscellaneous	16,278	16,743	15,956
Total.....	$99,576	$101,587	$95,010

Examination of the index number in detail discloses a fall of about 2½ per cent. in breadstuffs during the first month of the year. The loss was heaviest in oats, then corn, the next wheat. Other products in this class are much less prominent owing to the comparatively small per capita consumption. In meats, the decline was 1 8 per cent.; live hogs and beef both weakened somewhat, but sheep scored a slight advance. The sharpest losses in this division were made by lard, pork, hams and bacon, all of which moved to a lower level.

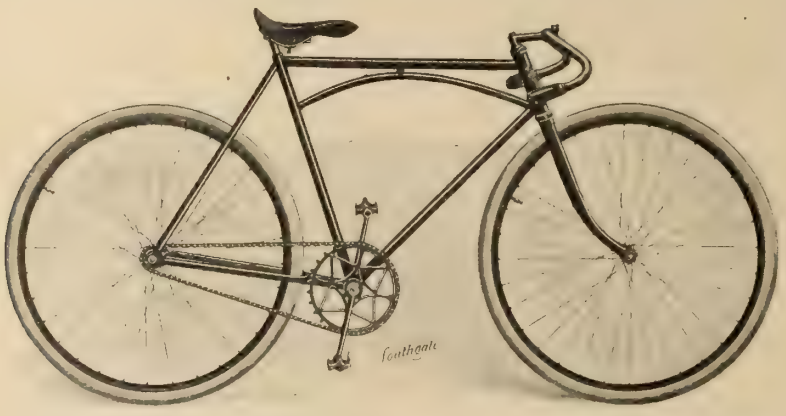
The most severe fall occurred in dairy and garden products, which lost 5.7 per cent. during the month. Many items contributed to this change, but the decline of 5c. per doz. in the price of eggs was by far the most important in affecting the index number. Hay, potatoes and some other vegetables were also cheaper, and a few minor products weakened. Butter, cheese and milk were all well sustained.

TRUSS-FRAME BICYCLE.

Herewith is shown a cut of the Iver Johnson truss-frame bicycle, a departure from the long-accepted diamond frame, which promises to be received with much favor by the trade.

The curved or arched tube adds much rigidity to the frame of the bicycle, thereby diminishing the possibility of buckling. It also strengthens the hanger construction, which is considered desirable, as the more rigid this point can be made the greater are the speed possibilties of the bicycle.

The truss also permits of the building of a very light machine for road use without incurring the risk of structural weakness.



With the readoption of 1-in. tubing, which promises to become quite universal in the near future, and of which this model is made, it is well not to lose sight of any point that is conducive to strength and rigidity, particularly on light models.

DEATH OF A BUSINESS MAN.

One of Owen Sound's first pioneers passed away on Friday, February 7, in the person of Mr. John Harrison, the founder of the extensive lumber and sash and door factories of The John Harrison & Sons Co., Limited.

Up to the time of his death, deceased was an active member of the Owen Sound Board of Trade, and was an ex-president of that body. The largest real estate holder in that district, he was ranked amongst the wealthiest men of the community.

He is survived by a large family, nearly all of whom are closely connected with the manufacturing interests founded by their father. His funeral was held last Monday, and was attended by the town council, the board of education and the board of trade.

The mill belonging to B. B. Barnhill, general merchant, Two Rivers, Que., was burned.



Extract from a letter just received by The Canada Paint Company, Limited, Montreal, from Mr. A. Strachan, Hardware and Paint Merchant, Kingston, Ontario:

"By referring to your ledgers
"you will be able to ascertain
"the number of years we have
"been selling your paints.

" From the experience
"of these years and from
"actual and practical tests,
"backed by numerous testi-
"monials from our customers,
"we can confidently state that
"your Mixed Paints are
"second to none in Canada,
"and, indeed, far superior to
"any we have met with."



THE TORONTO SILVER PLATE CO.

LIMITED

SILVERSMITHS AND MANUFACTURERS OF ELECTRO-SILVER PLATE.

Please bear in mind that we are **Not in the Trust,** or **are we Members of any Silverware Association or Combine.**

Boiled down, this means that we are not **dictated** to as to whom we shall sell to or at what prices we shall sell at.



OUR travellers are now out with samples and photographs of new goods. It will pay you not to place your order elsewhere until you see what we have to offer.

If you have not received a copy of our new Catalogue, all you have to do, **being in the Trade,** is to ask for it.

Our latest Catalogue illustrates E. P. Hollow Ware and Sterling Silver Flat and Hollow Ware. Besides this, we issue a Flat Ware Catalogue and a Catalogue of some special brands of goods.

We make a Specialty of **Hotel, Club, Steamboat** and **Dining-Car Silverware,** in fact, to use a Hardware expression, we make everything in Silverware from a needle to an anchor.

Factories and Salesrooms, King St. West, Toronto, Can.

E. G. GOODERHAM, Managing Director.

LUMBER CUT IN OTTAWA VALLEY.

AN estimate of the lumber cut of the Ottawa and Ottawa Valley mills for the seasons of 1900 and 1901 shows an increase in favor of last year. The total for 1901 is placed at 611,000,000 feet, as against 588,000,000 for 1900, an increase of 23,000,000.

The cut of the different mills is as follows: Mr. J. R. Booth's mill, 125,000,000 feet; Gilmour & Co., Trenton, 25,000,000 feet; Hull Lumber Co., operating Mason's mill, 35,000,000 feet; McLachlan Bros., Arnprior, 70,000,000 feet; Hawkesbury Lumber Co., 45,000,000 feet, and W. C. Edwards & Co.'s Rockland and New Edinburgh mills, 85,000,000 feet. The St. Anthony Lumber Co. cut at the Whitney mills 50,000,000 feet, an increase of 8,000,000 feet; Gillies Bros., Braeside, cut 40,000,000 feet, increase 10,000,000; A. & P. White, Pembroke, cut 8,000,000 feet, increase 3,000,000; McLaren & McLaurin, East Templeton, cut in 1901 over 20,000,000 feet, an increase of 14,000,000.

The cut of the following firms was practically the same for both seasons: Pembroke Lumber Co., 14,000,000 feet; Ross Bros., Buckingham, 10,000,000 feet; McLaren Estate, Buckingham, 15,000,000 feet; J. R. & J. Gillies, Arnprior, 3,000,000 feet; A. Hagar & Co., Plantagenet, 6,000,000 feet; G. H. Perley & Co., Calumet, 25,000,000 feet; Bailey Bros.' mill, Aylmer, cut before the fire in 1900 over 4,000,000 feet. It was not operated last season. The Ottawa Lumber Co.'s mill at Calumet cut 8,000,000 feet in 1900, before it was secured by Mr. G. H. Perley. The prospects are favorable for a large cut in 1902, as the demand for high grade lumber is a heavy one.

QUESTIONABLE PRACTICE RE. PATENTS.

The following, addressed to the editor of The Montreal Star, recently appeared in the columns of that paper:

"Sir,—It is the practice of several parties throughout Canada to address circulars to owners of Canadian patents, stating that under section 37 of the Patent Act, the owner of a Canadian patent is obliged to manufacture his invention within two years from the date of his patent, otherwise all his rights and privileges shall cease and determine, and such parties accordingly warn the patentee that his patent may become void if he does not manufacture before a given date, and suggest that he remit them a few dollars to pay for securing an extension of the term during which working is to be commenced. While the letter of the law is as above expressed, yet for several years past it has been definitely established by the courts in interpreting the law, that unless there is a demand for a patented article a patentee is not obliged to manufacture, and his patent would not be voided through failure to do so. If, however, there is a demand for the patented invention, the patentee is obliged to supply same, or grant licenses for its manufacture or use. As patentees are not fully informed in the matter by the circulars issued, it is not unlikely that many act upon the incomplete information given and spend their money unnecessarily."

AN EXPLANATION.

Clare Bros. & Co. write from Winnipeg, stating that the item regarding their firm under the Winnipeg notes on page 32 of HARDWARE AND METAL of February 1 was incorrect. This statement, which read, "Mr. H. J. Clare, of Clare Bros., is succeeding Mr. Horace Wilson as manager of the company's branch of Winnipeg," should have been "H. J. Clare, of Clare Bros. & Co., Preston, Ont., and J. Breckest, formerly of The McClary Manufacturing Co., have succeeded Mr. H. Wilson in the management of Clare Bros. & Co.'s branch at Winnipeg."

MINERALS OF BRITISH COLUMBIA.

The estimated mineral output of British Columbia was dealt with editorially in last week's issue. Since then we have received through the Bureau of Mines a detailed statement of the estimate compared with the ascertained output of 1900. Subjoined is one of the principal tables in the estimate:

ESTIMATED MINERAL PRODUCTION OF BRITISH COLUMBIA.

	Customary Measure.	1900. Quantity.	1900. Value.	1901 (Estimated) Quantity.	1901 (Estimated) Value.
Gold, placer	Ounces.	63,936	$1,278,724	43,204	$ 892,500
" lode	"	167,153	3,453,381	227,696	4,704,200
Silver	"	3,958,175	2,309,200	4,685,718	2,624,002
Copper	Pounds.	9,997,080	1,615,289	30,736,798	4,951,698
Lead	"	63,358,621	2,691,887	50,529,260	1,970,641
Coal	Tons, 2,240 lb.	1,439,595	4,318,785	1,529,210	4,587,630
Coke	"	85,149	425,745	134,760	673,800
Other materials	.....	.....	251,740	.....	309,030
Totals	.....	.....	$16,344,751	.....	$20,713,501

N.B.—1900 given as ascertained.

CANADA'S TRADE INCREASING.

For the several months of the present fiscal year commencing with August 1 and ending with January 31 last, the trade of Canada aggregated $253,737,739, which is an increase of $18,716,000 for the same time the year previous. The imports were $114,719,901, compared with $104,890,074 for the same time last year. The exports last year were $130,130,760, and for this year $139,019,838, or a gain of $8,889,078. There also was an increase in the duty of $1,573,446, the exact figures being $18,134,353, and $16,560,907 for the same time in the previous year.

For the month of January alone the imports amounted to $15,055,052, as against $13,303,762 last year. The duty collected was $2,455,810, a gain of $350,000. The exports of domestic produce amounted to $13,268,734, as against $9 762,446.

American Sheet Steel Company
Battery Park Building
New York
Manufacturers of all varieties of
Iron and Steel Sheets
Black and Galvanized
Plain and Painted
Flat, Corrugated and
"V" Crimped

Apollo Best Bloom Galvanized Sheets
W. Dewees Wood Company's
Planished Iron
W. Dewees Wood Company's
Refined Iron
Wellsville Polished Steel Sheets

Representatives for Canada
B. & S. H. Thompson & Company
26 St. Sulpice Street
Montreal

"MIDLAND"
BRAND
Foundry Pig Iron.

Made from carefully selected Lake Superior Ores, with Connellsville Coke as fuel, "Midland" will rival in quality and grading the very best of the imported brands.

Write for Prices to Sales Agents

Drummond, McCall & Co.
or to MONTREAL, QUE.
Canada Iron Furnace Co.
MIDLAND, ONT. Limited

"The Peerless"
is the best Bolster Spring ever produced. A fine line for the hardware trade. Write Us For Prices.



James Warnock & Co. = Galt, Ont.

CURRENT MARKET QUOTATIONS.

February 14, 1902.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag and Straits—56 and 28 lb. ingots, 100 lb.	28 00 29 00

Tinplates.

Charcoal Plates—Bright

	Per box
M.L.S., equal to Bradley	
I.C., usual sizes	$6 75
I.X., "	8 25
I.X.X., "	9 75
Famous—	
I.C.	6 75
I.X	8 25
I.X.X	9 75
Raven & Vulture Grades—	
I.C., usual sizes	5 00
I.X., "	6 00
I.X.X "	7 00
I.XXX., "	8 00
D.C., 12½x17	4 50
D.X	5 25
D.X.X	6 00

Coke Plates—Bright

Bessemer Steel—	
I.C., usual sizes	4 00
I.C., special sizes, base	4 50
20 x 28	8 50

Charcoal Plates—Terne

Dean or J. G. Grade—	
I.C., 20x28, 112 sheets	8 50
I.X., Terne Tin	10 50

Charcoal Tin Boiler Plates

	Per lb.
Cookley Grade—	
X X., 14x56, 50 sheet bxs " 14x60, " " 14x65, "	0 06½

Tinned Sheets

72 to 30 up to 24 gauge	0 07½
" 26 "	0 08

Iron and Steel.

Common Bar, per 100 lbs	1 95 2 05
Refined "	2 45
Horse Shoe Iron "	2 40
Hoop steel, 1½ to 3 in. base,	3 10
Sleigh Shoe Steel " base	2 10
Tire Steel	2 30 2 50
Reeled Machinery	3 00
Toe Calk Steel	2 85 3 00
T. Firth & Co's tool steel, per lb	0 12½ 0 13
Jessop's tool Steel	0 14
Morton's tool steel	C 12½ 0 13
Black Diamond and "B.C." tool steel	0 10 0 11
Chas. Leonard's tool steel	0 08 0 09
Drill Steel, per lb	0 08 0 10

Boiler Tubes.

1½-inch	0 12½
"	0 13
2½ "	0 15
3 "	0 16
3½ "	0 20
4 "	0 25

Steel Boiler Plate.

¼ inch	2 50 2 60
3-16 inch	2 60 2 70
¾ inch and thicker	2 50 2 60

Black Sheets.

	Com.	D. Fl.
18 gauge	2 85	3 00
20 gauge	2 85	3 00
22 to 24 "	2 95	3 25
26 "	3 05	3 50
28 "	3 15	

Canada Plates.

All dull, 52 sheets	3 00
Half polished	3 10
All bright	3 75

Iron Pipe.

Black pipe—	Per 100 Feet.
⅛ inch	4 65
¼ "	3 40
⅜ "	3 45
½ "	3 70
¾ "	3 85
1 "	5 40
1¼ "	7 70
1½ "	9 20
2 "	12 50
2½ "	24 00
3 "	28 0
3½ "	36 00
4 "	43 00
4½ "	50 00
5 "	57 00
6 "	73 00
Galvanized pipe—	
½ inch	5 15
¾ "	5 50
1 "	7 95
1¼ "	10 80
1½ "	12 95
2 "	17 35

5 p. c. off to preferred buyers.

Galvanized Sheets.

	G C. Comet.	Amer.	Queen's Head.
16 gauge			4 05
18 to 24 gauge	4 05	3 75	4 05
26 "	4 25	4 00	4 25
28 "	4 50	4 25	4 50

Less than case lots 10 to 15c. extra.
28 gauge American equals 26 gauge English.

Chain.

Proof Coil, 3-16 in., per 100 lb	7 85 8 10
" 5-16 " "	4 95 5 25
" ⅜ " "	4 35 4 60
" 7-16 " "	4 15 4 40
" ½ " "	4 00 4 25
" 9-16 " "	3 90 4 15
" ⅝ " "	3 80 4 05
" ¾ " "	3 85 4 10

Halter kennel and post chains, 40 to 40 and 5 p.c.
Cow ties 40 p.c.
Tie-out chains 65 p.c.
Stall fixtures 35 p.c.
Trace chain 45 p.c.
Jack chain, iron, single and double, discount 35 p c.
Jack chain, brass, single and double, discount 40 p.c.

Copper.

	Ingot	Per 100 lb.
English B. S., ton lots		15 00
Lake Superior		
Bars.		
Cut lengths round, ½ to ⅞ in.	23 00	25 00
" round and square 1 to 2 inches	23 00	25 00
Sheet.		
Plain, 14 oz., and light, 16 oz., 14x48 and 14x60	22 00	22 50
Plain, 14 oz., and light, 16 oz., irregular sizes	22 50	23 00
Tinned copper sheets		24 00
Planished		32 00

Braziers (In sheets.)

4x6 ft. 25 to 30 lbs. ea., per lb.	0 23
" 35 to 45 "	0 22
" 50-lb. and above, "	0 21

Boiler and T. K. Pitts

Plain Tinned, per lb	0 28
Spun, per lb	0 32

Copper Ware.

Discount, 50 per cent.

Brass.

Rod and Sheet, 14 to 30 gauge, 15 per cent.	
Sheets, hard-rolled, 2x4	0 23
Tubing, base per lb	0 23½

Zinc Spelter

Foreign, per lb	5 50 6 00
Domestic "	

Zinc Sheet.

5-cwt. casks	6 00 6 25
Part casks	6 25 6 50

Lead.

ported Pig, per 100 lb	3 50 3 75
Bar, 11b	0 05
Sheets, 2½ lbs. sq. ft., by	0 06¼
Sheets, 3 to 6 lbs., "	0 06

NOTE.—Cut sheets ½ cent per lb. extra.
Pipe, by the roll, usual weights per yard, lists at 7c. per lb. and 35 p.c. dis. f.o.b. Toronto.
NOTE.—Cut lengths, net price, waste pipe 3-ft. lengths lists at 7½ cents.

Shot.

Common, $6.50 per 100 lb.; chilled, $7.00 per 100 lb.; buck, seal and ball, $7.50. Discount, 22½ p.c. Prices are f.o.b. Toronto, Hamilton, Montreal, St. John and Halifax. Terms 3 per cent. cash, freights equalized.

Soil Pipe and Fittings.

Discount, 60 and 10 per cent. on medium and extra heavy, and 60 per cent. on light.

Solder.

	Per lb.	Per lb.
Bar half-and-half, guarant'd		0 19
Bar half-and-half, commer'l		0 18½
Refined		0 18
Wiping		0 17½

Antimony.

Cookson's, per lb	0 10

White Lead.

	Per 100 lb.
Pure	5 87½
No. 1	5 50
No. 2	5 12½
No. 3	4 75
No. 4	4 37½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B B. Genuine	8 25
" " No. 1	7 50

Above prices are for 25 lb. and upwards.

Red Lead.

Genuine, 560 lb. casks, per cwt.	$4 75
Genuine, 100 lb. kegs, per cwt.	5 00
No. 1, 560 lb. casks, per cwt.	4 25
No. 1, 100 lb. kegs, per cwt	4 50

White Zinc.

Extra Red Seal	0 06 0 08
No. 1	0 05½ 0 07
No. 2	0 05 0 06

Dry White Lead.

Pure, casks	5 25
Pure, kegs	5 50
No. 1, casks	5 00
No. 1, kegs	5 25

Prepared Paints.

In ¼, ½ and 1 gallon tins.

Pure, per gallon	1 25
Second qualities, per gallon	1 10
Barn (in bbls.)	0 60 0 90
The Sherwin-Williams Paints	1 40
Canada Paint Co's Pure	1 25
Toronto Lead & Color Co's Pure	1 25
Sanderson Pearcy's Pure	1 20
Stewart & Wood's Champion Pure	1 20

Colors in Oil.

25 lb. tins, Standard Quality.

Venetian Red, per lb	0 04½ 0 06
Chrome Yellow	0 12 0 14
Golden Ochre	0 08 0 10
French "	0 06
Marine Black	0 09
Chrome Green	0 10
French Imperial Green	0 12
Sign Writers' Black	0 16
Burnt Umber	0 11
" Sienna	0 11
Raw Umber	0 11
" Sienna	0 11

Colors, Dry.

Common Ochre bbls	1 20 1 30
Yellow Ochre J.F.L.S., bbls	2 00
Yellow Ochre (La Belle)	1 15 1 25
Brussels Ochre	2 00
Venetian Red (best), bbl	1 75 2 00
English Oxides, per cwt	3 00 3 25
American Oxides, bbls	1 25 2 00
Canadian Oxides, bbls	1 25 1 75
Super Magnetic Oxides, 93p.c.	2 00 2 25
Burnt Sienna, pure, per lb	0 10
" Umber, " "	0 10
do Raw	0 09
Drop Black, pure	0 09
Chrome Yellows, pure	0 18
Chrome Greens, pure, per lb.	0 10
Golden Ochre	0 04 0 05
Ultramarine Blue in 28-lb. boxes, per lb	0 06 0 18
Fire Proof Mineral, per 100 lb	1 00
Genuine Eng. Litharge, per lb	0 07
Mortar Color, per 100 lb	1 25 1 50
Pure Indian Red, No. 45 lb.	0 08 0 10
Whiting, bbl	0 55 0 60
English Vermillion in 30-lb. bags.	0 95

Paris Green.

	per lb.
Petroleum Casks	
Arsenic Kegs	
50-lb. and 100-lb. drums	
25-lb. drums	
1-lb packages	
½-lb. do	
1-lb. tins	
½-lb do	

F. O. B. Toronto. Terms—3 p. c. off 30 days, or 4 mos. from date of delivery.

Blue Stone.

Casks, for spraying, per lb	0 07
100-lb. lots, do. per lb	0 08

Putty.

Bulk in bbls.,	1 90
Bulk in less quantity	2 05
Bladders in bbls	2 25
Bladders in kegs, boxes or loose	2 40
Bladders in 25-lb. tins	2 35
Bladders in 12½-lb. tins	2 65
Bladders in bulk or tins less than 100 lb	2 90

Varnishes.

In 5-gal. lots.	Per gal.	net.
Carriage, No. 1	1 50	1 60
Pale Durable body	4 10	4 25
" rubbing	2 85	3 00
Gold Size, Japan	2 85	3 00
No. 1 Brown Japan		0 85
Elastic Oak		1 50
Furniture, extra		1 25
" No. 1		0 85
Hard Oil Finish	1 65	1 75
Light Oil Finish	1 40	1 60
Demar	1 70	1 80
Shellac, white	2 3	2 45
" orange	2 25	2 35
Turpentine Brown Japan		1 25
" Black Japan	0 85	0 90
" No. 1	0 70	0 75

Elastilite Varnish 1 gal. can, each, $3.00.
Granitine Floor Finish per gal., $2.75.
Maple Leaf Coach Enamels; Size 1, $1 20 Size 2, 70c.; Size 3, 40c. each.

Castor Oil.

East India, in cases, per lb	0 09½ 0 10
" " small lots	0 10 0 10½

Cod Oil, Etc.

Cod Oil per gal	0 50 0 55
Pure Olive	1 20
" Neatsfoot	90

Glue.

Common	0 08½ 0 09
French Medal	0 14 0 14½
Cabinet sheet	0 12 0 13
White, extra	0 18 0 20
Gelatine	0 22 0 30
Strip	0 18 0 20
Coopers	0 19 0 20
Huttner	0 18

THOS. GOLDSWORTHY & SONS

MANCHESTER, ENGLAND.

EMERY { Cloth / Corn / Flour

We carry all numbers of Corn and Flour Emery in 10-pound packages, from 8 to 140, in stock. Emery Cloth, Nos. OO., O., F., FF., 1 to 3.

JAMES HUTTON & CO., Wholesale Agents for Canada, **Montreal.**

HARDWARE.

Ammunition.

Cartridges.

B. B Caps Dom. 50 and 5 per cent
Rim Fire Pistol, dis. 40 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Central Fire Pistol and Rifle, 10 p.c. Amer.
Central Fire Cartridges, pistol sizes Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 per cent.
Central Fire, Military and Sporting, Amer. add 5 p.c. to list. B.B. Caps, discount 40 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 10 p.c. advance on list.
Brass Shot Shells, 55 per cent.
Primers, Dom., 30 per cent.; American, $1.60.

Wads	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb. bags	70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	

Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 20 per cent.

Anvils.

Wright's, 80-lb. and over	....	0 10¾
Hay Budden, 80-lb. and over	....	0 09¼
Brook's, " " "	....	0 11¼

Augers.

Gilmour's, discount 65 and 5 p.c. off list.

Axes.

Chopping Axes		
Single bit, per doz	5 50	10 00
Double bit, "	11 00	18 00
Bench Axes, 40 p.c.		
Broad Axes, 25 per cent.		
Hunters' Axes	5 50	6 00
Boy's Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Axle Grease.

Ordinary, per gross	5 75	6 00
Best quality	13 00	15 00

Bath Tubs.

Zinc	6 00
Copper, discount 15 p.c. off revised list	

Baths.

Standard Enameled.

5½-inch rolled rim, 1st quality	25 00
" " " 2nd "	21 00

Anti-Friction Metal.

"Tandem" A. per lb.	0 27
" B. "	0 21
" C. "	0 11½
Magnolia Anti-Friction Metal, per lb.	0 25
Frictionless metal, per lb	0 23

SYRACUSE SMELTING WORKS.

Aluminum, genuine	0 41
Dynamo	0 27
Special	0 22
Aluminum, 99 p.c. pure "Syracuse"	0 45
Phosphorine anti-friction metal	0 25

Bells.

Hand.

Brass, 60 per cent.
Nickel, 55 per cent

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Door.

Gongs, Sargant's	5 50	8 00
" Peterboro', discount 45 per cent.		

Farm.

American, each	1 25	3 00

House.

American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00
Blacksmiths', discount 40 per cent.		

Belting.

Extra, 60 per cent.
Standard, 60 and 10 per cent.
No. 1, not wider than 6 in., 60 10 and 10 p.c.
Agricultural, not wider than 4 in., 75 p c.

Bits.

Auger.

Gilmour's, discount 60 and 5 per cent.
Rockford, 50 and 10 per cent.
Jennings' Gen., net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind and Bed Staples.

All sizes, per lb	0 07¾	0 12

Bolts and Nuts.

	Per cent.
Carriage Bolts, common ($1 list)	55 and 5
" " full square ($2.40 list)	60 and 5
" " Norway iron ($3 list)	60 and 5
Machine Bolts, all sizes	55 and 5
Plough Bolts	55 and 5
Blank Bolts	60
Bolt Ends	60
Sleigh Shoe Bolts	70
Coach Screws, cone point	70
Nuts, square, all sizes, 3¾c. per lb. off.	
Nuts, hexagon, all sizes, 4c. per lb. off.	
Stove rods, per lb. 5½ to 6c.	
Nuts, in 50 lb. lots ¼c. per lb extra, in less than 50 lb lots, ½c. extra.	

Boot Calks.

Small and medium, ball, per M	4 25	
Small heel, per M	4 50	

Bright Wire Goods.

Discount ..... 62½ per cent

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dls., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent

Henis, No. 8, "		6 00
Henis, No. 9, "		7 00
Queen City "	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Building Paper, Etc.

Tarred felt, per 100 lb	1 70
Ready roofing, 2-ply, not under 45 lb. per rol	85
Ready roofing, 3-ply, not under 65 lb. per roll	1 10
Carpet felt, per ton	45 00
Dry sheathing, per roll, 400 sq ft	30
Tar sheathing, " " "	40
Dry fibre " " "	50
Tarred fibre, " " "	60
O.K. & I.X.L., " " "	65
Resin-sized, " " "	40
Oiled sheatih g, " 600 "	1 10
" " " 400 "	70
Roof coating in barrels, per gal	17
" " small packages	25
Refined tar, per barrel	4 50
Coal tar, "	4 00
Coal tar, less than barrels, per gal	15
Roofing pitch, per 100 lb	85

Bull Rings.

Copper, $2.00 for 2½ in. and $1.90 for 2 in.

Butts.

Wrought Brass net revised ist,

Cast Iron.

Loose Pin, dis., 60 per cent.

Wrought Steel

Fast Joint, dis. 65, 10 and 2½ per cent.
Loose Pin, dis. 65, 10 and 2½ per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.

Gen. Bronzed, per pair	0 40	0 65

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	....

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	8 50	9 50

Cement.

Canadian Portland	2 25	2 75
English "	3 00	3 15
Belgian "	2 50	2 75
Canadian hydraulic	1 25	1 50

Chalk.

Carpenters Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 70 per cent.
Warnock's, dis. 70 per cent.
P. S. & W. Extra 60, 10 and 5 p.c.

Churns.

Revolving Churns, metal frames—No. 0, $8—No. 1, $8.50—No. 2, $9.00—No. 3, $10.00—No. 4, $12.00—No. 5, $16.00 each. Ditto, wood frames—20c. each less than above. Discounts: Delivered from factories, 56 p.c.; from stock in Montreal, 54 p.c. Terms, 4 months or 3 p.c. cash in 30 days

Clips.

Axle dis. 65 per cent.

Closets

	Net.
Plain York or Ontario Syphon Jet.	$9 60
Emb. York or Ontario Syphon Jet.	10 20
Fittings	1 00
Plain Elgin or Teu. Syphon Washout	6 00
Emb. Elgin or Teu. Syphon Washout	6 60
Fittings	1 25
Low Down Elgin or Teutonic, plain	9 60
" " " " emb.	10 20
Plain Richelieu	4 00
Emb. Richelieu	4 25
Connections	1 25
Low Down Ont. Sy. Jet, plain	11 70
" " " " emb'd.	12 30
Closet connection	1 25
Basins P.O., 14 in	0 70
" oval, 17 x 14 in	1 50
" " 19 x 15 in	2 25

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Cradles, Grain.

Canadian, dis. 25 to 33⅓ per cent.

Crosscut Saw Handles.

S. & D., No. 3, per pair	17½
" " 5, "	22½
" 6, "	15
Boynto pattern "	20

Door Springs.

Torrey's Rod, per doz	(15 p.c.)	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Coach and Wagon, dis. 50 and 10 per cent
Carpenters, dis. 70 per cent.

Drills.

Hand and Breast

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis., 37½ to 40 per cent.
Standard dis. 50 and 5 to 55 per cent.

Faucets.

Common, cork-lined, dis. 35 per cent.

ELBOWS. (Stovepipe.)	per doz
5 and 6-inch, common	1 20
7-inch	1 35
Polished, 15c. per doz. extra.	

ESCUTCHEONS.

Discount, 45 per cent.

ESCUTCHEON PINS.

Iron, discount 40 per cent.

FACTORY MILK CANS.

Discount off revised list, 40 per cent.

FILES AND RASPS.

Great Western	70	and 10	per cent.
Arcade	70	" 10	"
Kearney & Foot	70	" 10	"
Disston's	70	" 10	"
American	70	" 10	"
J. Barton Smith	70	" 10	"
McClellan	70	" 10	"
Eagle	70	" 10	"
Nicholson, 60 and 10 to 60, 10 and 5			"
Royal	80		"
Globe	70	to 75	"

Black Diamond, 60 and 10 to 60, 10 and 5 p.c.
Jowitt's, English list, 25 to 27½ per cent.
Nicholson File Co 's "Simplicity" file handle per gross, 85c. to $1.50.

GLASS—Window—Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	D. Diamond Per 50 ft.	D. Diamond Per 100 ft.
Under 26	2 20	4 25	....	6 25
26 to 40	2 40	4 65	....	6 75
41 to 50	....	5 10	....	7 50
51 to 60	....	5 35	....	8 50
61 to 70	....	5 75	....	9 75
71 to 80	....	6 25	....	11 00
81 to 85	....	7 00	....	12 55
86 to 90	....	7 75	..	15 00
91 to 95	..	....	....	17 50
96 to 100	.. ..	....	..	20 50
101 to 105	....	....	....	24 00
106 to 110	....	....	....	27 50

GAUGES

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's, Nos. 26 to 33, each	1 65	2 40

HALTERS.

Rope, ⅜ per gross	....	....
" ½ "	....	9 00
" ⅝ to ¾	....	14 00
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

Maydole's, dis. 5 to 10 per cent. Can. dis. 25 to 27½ per cent.

Tack.

Magnetic, per doz	1 10	1 20

Sledge.

Canadian, per lb	0 07½	0 08⅓

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz. net	1 50	2 00
Store door, per doz	1 00	1 50

Fork.

C. & B., dis. 40 per cent. rev. list.

Hoe.

C. & B., dis. 40 per cent. rev. ist.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 7[illegible]

Hammer and Hatchet.

Canadian, 40 per cent.

Cross-Cut Saws.

Canadian, per pair	0 13¾

HANGERS.

		doz. pairs.
Steel barn door	5 85	6 00
Stearns, 4 inch	....	5 00
" 5 inch	....	6 50
Lane's covered—		
No. 11, 5-ft. run	....	8 40
No. 11½, 10-ft. run	....	10 80
No. 12, 10-ft. run	....	12 60
No. 14, 15-ft. run	....	21 00
Lane's O.N.T. track, per foot	....	4½

HARVEST TOOLS.

Discount, 70 per cent.

HATCHETS.

Canadian, dis. 40 to 42½ per cen

FOR THE STREET



THE TRADE "M&M" MARK LIGHT



FOR THE STORE

What "M & M" Lamps Do.

They give a stronger, whiter, steadier light than the electric arc. Operate easily, safely, satisfactorily. Save money—actual 600 candle-power light at a cost of one-half cent an hour. Think of it! Write for circulars, etc. GOOD AGENTS WANTED. Exclusive territory allowed.

ACORN BRASS WORKS,
Dept. 8, 15-23 Jefferson Street CHICAGO, ILL.

What "M & M" Lamps Save.

Barrett Hardware Co., Joliet, Ill., write: "Gasoline and supplies for six "M & M" Lamps cost us $45.46 last year, an average of 60c. a month per lamp. We believe we had as good a light as though we had six electric arc lights at a cost of $360." No wonder that over 30,000 "M & M" Lamps are in use all over the United States and Canada. THEY KILL BIG GAS AND ELECTRIC LIGHT BILLS. It will pay you to investigate. Write for circulars. AGENTS WANTED. Dept. 8, 15-23 Jefferson St., Chicago.

HINGES.

Blind, Parker's, dis. 50 and 10 to 60 per cent.
Heavy T and strap, 4-in., per lb.... 0 06½
" " 5-in., " 0 06¼
" " 6-in., " 0 06
" " 8-in., " 0 05¾
" " 10-in., " 0 05½
Light T and strap, dis. 65 and 5 per cent.
Screw hook and hinge—
6 to 10 in., per 100 lbs.... .... 4 25
12 in. up, per 100 lbs..... .... 3 25
Per gro. pairs
Spring..... .... 12 00

HOES.

Garden, Mortar, etc., dis. 50 and 10 p.c.
Planter, per doz..... 4 00 4 50

HOLLOW WARE

Discount,..... 45 and 5 per cent.

HOOKS.

Cast Iron.

Bird Cage, per doz.....	0 50	1 10
Clothes Line, per doz.....	0 27	0 63
Harness, per doz.....	0 72	0 88
Hat and Coat, per gross.....	4 00	3 00
Chandelier, per doz.....	0 50	1 00

Wrought Iron.
Wrought Hooks and Staples, Can. dis. 47½ per cent.

Wire.
Hat and Coat, discount 45 per cent.
Belt, per 1,000 ..... 0 60
Screw, bright, dis. 55 per cent.

HORSE NAILS.

"C" brand 50 and 7½ p.c. off new list } Oval-
"M" brand 50, 10 and 5 per cent. } head
Countersunk, 60 per cent.

HORSESHOES.

Iron Shoes.	F.O.B. Montreal. No. 2 and larger.	No. 1. and smaller.
Light, medium and heavy...	3 50	3 75
Snow shoes.....	3 75	4 00
Steel Shoes.		
Light.....	3 60	3 85
Featherweight (all sizes).....	4 85	4 85

F.O.B. Toronto, Hamilton, London and Guelph, 10c. per keg additional.
Toe weight steel shoes..... 6 70

JAPANNED WARE.

Discount, 45 and 5 p.c. off list, June 1899.

ICE PICKS.

Star per doz..... 3 00 3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.
Copper, per lb..... 0 30 0 50
American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 45 p.c.
Cabinet, trunk, and padlock, Am. per gross 60

KNOBS.

Door, japanned and N.P., per doz.....	1 50	2 50
Bronze, Berlin, per doz.....	2 75	3 25
Bronze Genuine, per doz....	6 00	9 00
Shutter, porcelain, F. & L screw, per gross	1 30	4 00
White door knobs—per doz.		1 25

HAY KNIVES.

Discount, 50 and 10 per cent.

LAMP WICKS.

Discount, 60 per cent.

LANTERNS.

Cold Blast, per doz.....	7 00
No. 3 "Wright's"	8 50
Ordinary, with O burner.....	4 00
Dashboard, cold blast.....	9 00
No. 0.....	5 75

Japanning, 50c. per doz. extra

LEMON SQUEEZERS.

Porcelain lined, ...per doz.	2 20	5 60
Galvanized.....	1 87	3 85
King, wood.....	2 75	2 90
King, glass.....	4 00	4 50
All glass.....	1 20	1 30

LINES.

Fish per gross.....	1 05	2 50
Chalk "	1 90	7 40

LOCKS.

Canadian, dis. 45 p.c.
Russel & Erwin, per doz.... 3 00 3 25
Cabinet.
Eagle, dis. 30 p.c.

Padlock.

English and Am. per doz....	50	6 00
Scandinavian, "	1 00	2 40

Eagle, dis. 20 to 25 p.c.

MACHINE SCREWS. Iron and Brass.

Flat head discount 25 p.c.
Round Head discount 20 p.c.

MALLETS.

Tinsmiths' per doz.....	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz..	3 85	5 00
Caulking each.....	60	2 00

MATTOCKS.

Canadian, per doz..... 5 50 6 50

MEAT CUTTERS.

American, dis. 25 to 30 p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are;	Cut.	Wire.
2 d and 3d	$3 35	$3 55
3 d	3 00	3 22
4 and 5d..... ..	2 75	3 05
6 and 7d.....	2 65	2 90
8 and 9d.....	2 50	2 70
10 and 12d.....	2 45	2 65
16 and 20d.....	2 40	2 60
30, 40, 50 and 60d. (base).....	2 35	2 55

Wire nails in carlots are $2.50
Galvanizing 2c. per lb. net extra.
Steel Cut Nails 10c. extra.
Miscellaneous wire nails, dis. 75 p.c.
Coopers' nails, dis. 30 per cent.
Flour barrel nails, dis. 25 per cent

NAIL PULLERS.

German and American.....	1 85	3 50

NAIL SETS.

Square round, and octagon per gross.....	3 38	4 00
Diamond.....	12 00	15 00

POULTRY NETTING.

2-in. Mesh, 19 w.g., dis. 60 p.c.
2- n. Mesh, 18 w.g. and heav er, 50 and 10 p.c.

OAKUM. Per 100 lb.

Navy	6 00
U.S. Navy.....	7 25

OIL.

Water White (U.S.)	0 16½
Prime White (U.S.)	0 15½
Water White (Can.)	0 15
Prime White (Can.)	0 14

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal. per doz..... .... 10 00
Zinc and tin, dis. 50, 50 and 10.
Copper, per doz..... 1 25 3 50
Brass, " 1 50 3 50
Malleable, dis. 25 per cent.

GALVANIZED PAILS.

Dufferin pattern pails, dis. 45 p.c.
Flaring pattern, discount 45 per cent.
Galvanized washtubs discount 45 per cent.

PIECED WARE.

Discount 40 per cent. off list, June, 1899.
10-qt. flaring sap buckets. dis. 40 p.c.
6, 10 and 14-qt. flaring pails, dis. 40 p.c.
Creamer cans, dis. 40 p.c.

PICKS.

Per doz..... 6 00 9 00

PICTURE NAILS.

Porcelain head, per gross...	1 75	3 00
Brass head "	0 40	1 00

PICTURE WIRE.

Tin and gilt, discount 75 p.c.

PLANES.

Wood, bench, Canadian dis. 40 per cent. American dis. 50.
Wood, fancy Canadian or American 7½ to 40 per cent.

PLANE IRONS.

English, per doz.....	2 00	5 00

PLIERS AND NIPPERS.

Button's Genuine per doz pairs, dis. 37½ 40 p.c.
Button's Imitation, per doz.. 5 00 9 00
German, per doz..... 0 60 2 60

PLUMBERS' BRASS GOODS.

Standard Compression work, dis. 60 p.c.
"J.M.T." Cushion work, dis. 50 p.c.
Fuller work, dis. 65 p.c.
6 doz. lots and over of the above, extra dis. 10 p.c.
Rough Stops and Stops and Waghers, dis. 60 p.c. With, in lots of 2 doz. and over, an extra dis. of 10 p.c.
"J.M.T." Globe, Agnle and Check Valves, dis 55 p.c.
Standard Globe, Angle and Check Valves, dis. 60 p.c
"J.M.T." Radiator Valves, dis. 55 p.c.
Standard " " dis., 60 p.c.
Patent Quick Opening Valves, dis. 65 p.c. and 10 p.c
No. 1 compression bath cock, net .. 2 00
No. 4 " " " 2 00
No. 7, Fuller's..... 2 20
No 4½, " 2 35
Patent Compression Cushion, basin cock, hot and cold. per doz. 15 00
Patent Compression Cushion, bath cock, No. 2208..... 2 25

POWDER.

Velox Smokeless Shotgun Powder.

100 lb. or less.....	0 85
1,000 lb. or more.....	0 80

Net 30 days.

PRESSED SPIKES.

Discount 25 per cent.

PULLEYS.

Hothouse, per doz.....	0 55	1 00
Axle.....	0 22	0 33
Screw.....	0 27	1 00
Awning.....	0 35	2 50

PUMPS.

Canadian cistern.....	1 80	3 60
Canadian pitcher spout.....	1 40	2 10

PUNCHES.

Saddlers', per doz.....	1 00	1 85
Conductors's '	9 00	15 00
Tinners', solid. per set.....	0 00	0 72
" hollow per inch	0 00	1 00

RANGE BOILERS. Net.

Dominion, 35 "	6 75
" 40 "	7 75
Ronald's Galvanized, 30 gallons	6 50
" " 35 "	7 50
" " 40 "	8 50
Copper, 30 gallons.....	25 00
" 35 "	29 00
" 40 "	33 00

RAKES.

Wood, 10 per cent.

RAZORS.

	per doz.
Elliot's	4 00 18 00
Geo. Butler & Co.'s,.....	4 00 18 00
Boker's	7 50 11 00
" King Cutter	12 50 50 00
Wade & Butcher's.....	3 60 10 00
Theile & Quack's	7 00 12 00

REGISTERS.

Discount..... 40 per cent

RIVETS AND BURRS.

Iron Rivets, black and tinned, discount 60 and 10 per cent.
Iron Burrs, liscount 55 per cent.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c per lb.
Copper Rivets with usual proportion burrs, 45 and 10 dis., cartons, 1c. per lb. extra, net.
Copper Burrs only, 30 and 0 p.c.
Extras on Tinned or Coppered Rivets ½-lb. cartons, 1c. per lb.

RIVET SETS

Canadian dis. 35 to 37½ per cent

ROPE ETC.

Sisal	12
Pure Manilla.....	16
"British" Manilla.....	13½
Cotton, 3-16 inch and larger	16
" 5-32 inch.....	21
" ⅛ inch.....	22
Russia Deep Sea	15
Jute	8
Lath Yarn	10¼

RULES.

Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS. per set.

Mrs. Potts, No. 55, polished..	65
" No. 50, nickle-plated	75

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ pe cent.
B & A. sand, 40 and 5 per cent.
Emery, 40 per cent.
Garnet (Rurton's), 5 to 10 p.c. advance on list

SAP SPOUTS.

Bronzed iron with hooks, per doz... 9 50

SAWS.

Hand Disston's, dis. 12½ p.c.
S. & D., 40 per cent.

Crosscut, Disston's, per ft....	35	0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.		
Hack, complete, each.....	0 75	2 75
" rame only.....		0 75

SASH WEIGHTS.

Sectional, per 100 lbs.....	2 25	2 50
Solid, "	1 75	2 00

SASH CORD.

Per lb.....	0 23	0 30

SAW SETS.

Lincoln' and Whiting, per doz...	4 75
Hand Sets, No. 1 Woodyatt (Morrill)	4 25
X-cut sets, No. 3 Woodyatt (Morrill)	9 50

SCALES.

Standard, 45 p.c.
Champion, 55 p.c.
Spring Balances, 10 p.c.
Fairbanks Standard, 35 p.c.
" Dominion, 55 p.c.
" Richelieu, 55 p.c.
Warren's new Standard, 45 p.c.
" " Champion 65 p.c.

SCREW DRIVERS.

Sargent's per doz.....	0 65	1 00

SCREWS

Wood, F. H., bright and steel, 87½ and 10 p.c
Wood R. H., " dis. 82½ and 10 p.c.
" F. H., brass dis. 80 and 10 p.c.
Wood, R. H., " dis. 75 and 10 p.c.
" F.H., bronze, dis. 75 p.c.
" R.H. " 70 p.c.
Drive Screws, 87½ and 10 per cent.

Bench, wood, per doz.....	3 25	4 00
" iron, "	4 25	5 75

Set, Case hardened, 60 per cent.
Square Cap, 50 and 5 per cent.
Hexagon Cap, 45 per cent.

SCYTHES.

Per doz, net	9 00

SCYTHE SNATHS.

Canadian, dis. 45 p.c.

SHEARS.

Bailey Cutlery Co., full nickeled, dis. 60 p.c
Seymour's, dis. 50 and 10 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SINKS.

Steel and galvanized, discoun 45 per cent.

SNAPS.

Harness, German, dis. 25 p.c.		
Lock, Andrews'.....	4 50	11 50

SOLDERING IRONS.

1, 1½ lb., per lb.....	0 37
2 lb. or over, per lb.	0 34

SQUARES.

Iron, No. 493, per doz	2 40	2 55
" Mo. 494, "	3 25	3 40

Steel, dis. 60. 10 and 5 p.c.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.

Plain, dis. .75 and 12½ p.c. off revised list
Retinned, dis., 75 p.c. off revised ist.

STAPLES.

Galvanized 3 50		4 00
Plain 3 25		3 75

Coopers', discount 45 per cent.
Poultry netting staples, 40 per cent.

STANDARD CHAIN CO., PITTSBURGH, U. S. A.

MANUFACTURERS OF **CHAIN** OF ALL KINDS.

Proof Coil, B.B., B.B.B., Crane, Dredge Chain, Trace Chains, Cow Ties, etc.

ALEXANDER GIBB, Montreal. —Canadian Representatives— A. C. LESLIE & CO., Montreal.

For Provinces of Ontario and Quebec. For other Provinces.

STOCKS AND DIES.

American dis. 25 p.c.

STONE.

	Per lb.	
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip,	0 09	0 09
Labrador	....	0 13
" Axe	....	0 15
Turkey	....	0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, 2 in, 40 to 200 lb, per ton	....	25 00
" under 40 lb. "	....	28 00
Grind. under 2 in. thick "	....	29 00

STOVE PIPES.

5 and 6 inch Per 100 lengths	....	7 00
7 inch " "	....	7 50

ENAMELINE STOVE POLISH.

No. 4—3 dozen in case, net cash	$4 80
No. 6—3 dozen in case, "	8 40

TACKS BRADS, ETC.

Cheese-box tacks, blued ..... 80 & 12½
Trunk tacks, black and tinned 85
Carpet tacks, blued ..... 80 & 15
" " tinned ..... 80 & 20
" " (in kegs) 40
Cut tacks, blued, in dozens only .. 80
" ¼ weights 60
Swedes cut tacks, blued and tinned—
In bulk ..... 80 & 10
In dozens 75
Swedes, upholsterers', bulk ... 85, 12½ & 12½
" brush, blued & tinned, bulk .. 70
" gimp, blued, tinned and japanned ..... 75 & 12½
Zinc tacks 35
Leather carpet tacks 55
Copper tacks 50
Copper nails 52½
Trunk nails, black ..... 65 and 5
Trunk nails, tinned ..... 65 and 10
Clout nails, blued ..... 65 and 5
Chair nails 35
Patent brads 40
Fine finishing 40
Lining tacks, in papers 10
Lining tacks, in bulk 15
" " solid heads, in bulk 75
Saddle nails in papers 10
" " in bulk 15
Tufting buttons, 22 line, in dozens only 60
Tin capped trunk nails 25
Zinc glazier's points 5
Double pointed tacks, papers ..... 90 and 10
" " " bulk 40

TAPE LINES.

English, ass skin, per doz.	2 75	5 00
English, Patent Leather	5 50	9 75
Chesterman's each	0 90	2 85
" steel, each	0 80	8 00

THERMOMETERS.

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TRAPS. (Steel.)

Game, Newhouse, dis. 25 p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's discount 10 per cent.
German, per doz. 4 75 6 00
S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb.	....	0 27
Wrapping, cotton, 3-ply		0 18½
" 4-ply	....	0 23½
Mattress, per lb.	0 33	0 45
Staging, "	0 27	0 35

VISES.

Wright's	....	0 13½
Brook's	....	0 12¾
Pipe Vise, Hinge, No. 1	....	3 50
" " " No. 2	....	5 50
Saw Vise	4 50	9 00

ENAMELLED WARE.

White, Princess, Turquoise, Blue and White, discount 50 per cent.
Diamond, Famous, Premier, 50 and 10 p.c.
Granite or Pearl, Imperial, Crescent, 50, 10 and 10 per cent.

WIRE.

SMOOTH STEEL WIRE.

No. 0-9 gauge		$2 60
10 "	6c.	extra.
11 "	12c.	"
12 "	20c.	"
13 "	30c.	"
14 "	40c.	"
15 "	55c.	"
16 "	70c.	"

Add 60c. for coppering and $2 for tinning.

Extras net per 100 lb. — Oiled wire 10c.; spring wire $1.25, special hay baling wire 30c.; best steel wire 75c., bright soft drawn 15c.; charcoal (extra quality) $1.25, packed in casks or cases 15c., bagging and papering 10c., 50 and 100-lb. bundles 10c., in 25-lb. bundles 15c., in 5 and 10-lb. bundles 25c., in 1-lb. hanks 50c., in ½-lb. hanks 75c., in ¼-lb. hanks $1.

Fine Steel Wire, dis. 22½ per cent. List of extras: In 100-lb. lots: No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, 7.65—No. 24, $8—No. 25, $9—No. 26 $9.50—No. 27, $10—No. 28, $11 No. 29. $12—No. 30, $13—No. 31, $14—No. 32 $15, No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31 $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles, 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.50 to $3 85—No. 9, $2.85 to $3.15—No. 10, $3.60 to $3.95—No. 11, $3.70 to $4.10—No. 12, $3 to $3.30—No. 13, $3.10 to $3.40—No. 14, $4.10 to $4.50—No. 15, $4.60 to $5.05—No. 16, $4.85 to $5.35. Base sizes, Nos. 6 to 9 $2.52½ f.o.b. Cleveland.
Clothes Line Wire, regular 7 strand, No. 17, $4.65; No. 18, $2.90; No. 19, $2.60. Hollow 6 strand, No. 17, $4.30; No. 18, $2.70, No. 19, $2.35; No. 20, $2.30, f.o.b. Hamilton, Toronto Montreal.

WIRE FENCING.

Galvanized barb	....	3 00
Galvanized, plain twist	....	3 00

Galvanized barb, f.o.b. Cleveland, $2.77½ in less than carlots, and $2.65 in carlots

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net.. 1 25

WASTE COTTON.

	per lb.
Colored	6
White	8

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 60 p.c.
Coe's Genuine, dis. 20 to 25 p.c.

Towers' Engineer, each	2 00	7 00
" S., per doz.	5 80	6 00
G. & K.'s Pipe, per doz.	....	3 40
Burrell's Pipe, each	....	3 00
Pocket, per doz.	0 25	2 90

WRINGERS.

Leader per doz.	$30 00	33 00
Royal Canadian "	....	24 00
Royal American, "	....	24 00
Sampson "	....	24 00

Terms 4 months, or 3 p.c. 30 days.

WROUGHT IRON WASHERS.

Canadian make, discount, 40 per cent.

SEPARATE SEALED TENDERS, addressed to the undersigned, will be received at this office until Tuesday, February 25, inclusively, for the construction of Armouries at the following places:

1st Revelstoke, B.C., 3rd Kaslo, B.C.
2nd Kamloops, B.C., 4th Nelson, B.C.

Plans and specifications can be seen and forms of tender obtained for Revelstoke, and Kaslo, on application to the Postmasters at those places; for Nelson, at the office of Mr. J. A. Macdonald, Architect, Nelson; for Kamloops, at the office of Mr. A. Thompson, clerk of works, Kamloops; and for all the works at the Department of Public Works, Ottawa.

Envelopes containing tenders must be endorsed "Tender for Armoury, Revelstoke"; "Tender for Armoury, Kamloops"; "Tender for Armoury, Kaslo,"; and "Tender for Armoury, Nelson" respectively.

Persons tendering are notified that tenders will not be considered unless made on the form supplied, and signed with their actual signatures.

Each tender must be accompanied by an accepted cheque on a chartered bank, made payable to the order of the Honourable the Minister of Public Works, equal to ten per cent. (10 p.c.) of the amount of the tender, which will be forfeited if the party decline to enter into a contract when called upon to do so, or if he fail to complete the work contracted for. If the tender be not accepted the cheque will be returned.

The Department does not bind itself to accept the lowest or any tender.

By order
FRED. GELINAS,
Secretary.

Department of Public Works,
Ottawa, January 25th, 1902.

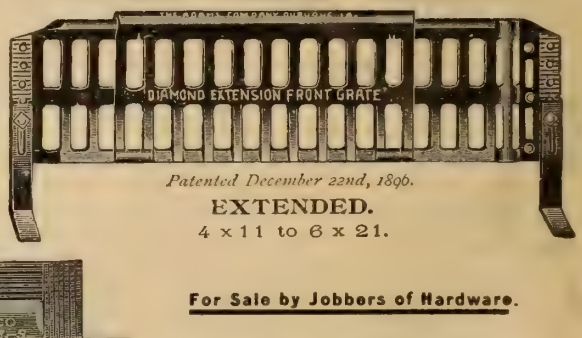
Newspapers inserting this advertisement without authority from the Department, will not be paid for it.

DIAMOND EXTENSION FRONT GRATE.

Ends Slide in Dovetails similar to Diamond Stove Back.

Diamond Adjustable Cook Stove Damper

Patented March 14th, 1893.



Patented December 22nd, 1896.

EXTENDED.
4 x 11 to 6 x 21.



For Sale by Jobbers of Hardware.

Manufactured by THE ADAMS COMPANY, Dubuque, Iowa, U.S.A.
" A. R. WOODYATT & CO., Guelph, Ontario.

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY MONTREAL.

Watch our ad. in next issue, or write to us for particulars on our patented

Automatic Door Strip and Weather Strip

Specially adapted for cold climates and takes the place of the inner window.

HELMS & HELMS, 148-50 Willow St., PHILADELPHIA.

Standard Paint & Varnish Works. Limited
Makers of High Grade Varnishes, Japans, Paints, Colors & Enamels.
Windsor, Ont.



Ontario Nut Works, Paris

BROWN & CO.

Manufacturers of

All sizes of Hot Pressed Nuts, Square and Hexagon.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker,

13 St. John Street, **Montreal**

Representing British and American Manufacturers. Correspondence invited from firms wishing to be represented in Canada.

"THE EMLYN" SAW BENCH

Made in 6 sizes. Best value obtainable. Specially designed for export With or without "Emlyn" Patent Guard. Sole maker—

CHARLES D. PHILLIPS,

Cables—Machinery," Newport. Emlyn Engineering Works, NEWPORT, MON., ENGLAND.

ONTARIO SILVER CO.,

Limited,

NIAGARA FALLS, CANADA.

Manufacturers of **FLATWARE, CUTLERY and ELECTRO PLATE. . . .**

Ask for our Catalogue and Quotations.

The business of the year will soon get moving actively and you want to make sure that your stock of

Wrapping Papers

is sufficient to meet the run of extra and larger parcels. There is economy in buying the papers of these mills—always 480 sheets to the ream—always full weight.

CANADA PAPER CO., Limited

TORONTO and MONTREAL

The Batty Stove & Hardware Co.

Successors to

The Toronto Branch of THE COPP BROS. CO., Limited.

Wholesale dealers in

MANTELS, GRATES, TILES, ETC.

HOT-AIR REGISTERS.

HOT-AIR DAMPERS.

STOVE AND FURNACE CEMENT: 3½ and 5-lb. Cans.

STOVE POLISH. STOVE REPAIRS.

THE BATTY STOVE & HARDWARE CO.

279 Queen West, TORONTO.

HAND-FORGED **RAZORS** HAND-GROUND

NOT TOUCHED BY MACHINERY.



Fully Warranted. Ask for Catalogue.

Made in Canada by

Manufacturers of Steel-Laid Shears and Scissors, Hand-Forged Butcher Knives and Tinners' Snips.

BAILEY CUTLERY CO., LIMITED

BRANTFORD, ONTARIO.

CHAS. P. CLARK, President. **JARED CHITTENDEN, Treasurer.**

...ESTABLISHED 1849...

BRADSTREET'S

Capital and Surplus, $1,500,000. **Offices Throughout the Civilized World.**

Executive Offices: Nos. 346 and 348 Broadway, New York City, U.S.A.

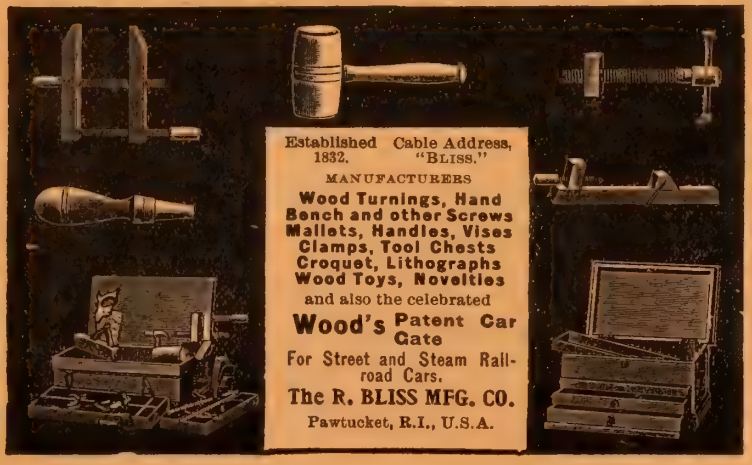
THE BRADSTREET COMPANY gathers information that reflects the financial condition and the controlling circumstances of every seeker of mercantile credit. Its business may be defined as of the merchants, by the merchants, for the merchants. In procuring, verifying and promulgating information, no effort is spared, and no reasonable expense considered too great, that the results may justify its claim as an authority on all matters affecting commercial affairs and mercantile credit. Its offices and connections have been steadily extended, and it furnishes information concerning mercantile persons throughout the civilized world.

Subscriptions are based on the service furnished, and are available only by reputable wholesale, jobbing and manufacturing concerns, and by responsible and worthy financial, fiduciary and business corporations. Specific terms may be obtained by addressing the Company at any of its offices. **Correspondence Invited.**

——OFFICES IN CANADA——

HALIFAX, N.S.	HAMILTON, ONT.	LONDON, ONT.	MONTREAL, QUE.
OTTAWA, ONT.	QUEBEC, QUE.	ST. JOHN, N.B.	TORONTO, ONT.
VANCOUVER, B.C.	VICTORIA, B.C.	WINNIPEG, MAN.	

THOS. C. IRVING, Gen. Man. Western Canada, Toronto. JOHN A. FULTON, Gen. Man. Eastern Canada, Montreal.



Established 1832. Cable Address, "BLISS."

MANUFACTURERS

Wood Turnings, Hand Bench and other Screws Mallets, Handles, Vises Clamps, Tool Chests Croquet, Lithographs Wood Toys, Novelties

and also the celebrated

Wood's Patent Car Gate

For Street and Steam Railroad Cars.

The R. BLISS MFG. CO.

Pawtucket, R.I., U.S.A.

Canadian Representative: ALEXANDER GIBB, 13 St. John St., MONTREAL.

75 YEARS. *ESTABLISHED 1825.* *75 YEARS.*

CELEBRATED **HEINISCH** SHEARS.

Tailors' Shears, Trimmers, Scissors, Tinners' Snips, etc.



ACKNOWLEDGED THE BEST.

R. HEINISCH'S SONS CO.

NEW YORK OFFICE, 90 Chambers St. NEWARK, N.J., U.S.A.

Not connected with any Shear Combination.

Est. 1866 Inc. 1895

Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve Medals



Awarded
By **JURORS** at
International Expositions
Special Prize
Gold Medal at Atlanta, 1895



1902 GARDEN HOSE. 1902

We manufacture the most popular and best selling lines of Garden Hose in Canada. Our "Maltese Cross" brand we confidently recommend as the finest Garden Hose on the market.

We have other grades not quite so expensive, but good reliable brands, viz.: "Lion" (the popular medium-priced hose), "King" "Sun" and "Leader."

Our "Kinkproof" (wire wound) hose is wired by a special process controlled solely by ourselves, and is so constructed that it may be cut at any wind of the wire without loosening or uncoiling, the wire being self-gripping throughout each length.

THE GUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

Head Office and Warerooms—
45-47-49 West Front St.

TORONTO,

Factories—115-165 West Lodge Ave.
124-148 O'Hara Ave.

CANADA.

We have in stock:

- Gold and Metal Leaves
- Chamois Skins
- Glaziers' Diamonds
- Graining Combs
- Dry White Lead
- Red Lead
- Litharge
- Orange Mineral
- Zinc Oxides
- Whiting

and shall be pleased to quote lowest prices on application.

B. & S. H. THOMPSON & CO.

53 St. Sulpice Street,

MONTREAL.

CORDAGE

ALL KINDS AND FOR ALL PURPOSES.

Manila Rope	Lathyarn
Sisal Rope	Shingleyarn
Jute Rope	Bale Rope
Russian Rope	Lariat Rope
Marline	Hemp Packing
Houseline	Italian Packing
Hambroline	Jute Packing
Clotheslines	Drilling Cables
Tarred Hemp Rope	Spunyarn
White Hemp Rope	Pulp Cord
Bolt Rope	Lobster Marlin
Hide Rope	Paper Cord
Halyards	Cheese Cord
Deep Sealine	Hay Rope
Ratline	Fish Cord
Plow Lines	Sand Lines

"RED THREAD" Transmission Rope from the finest quality Manila hemp obtainable, laid in tallow.

CONSUMERS CORDAGE COMPANY,

Limited

Western Ontario Representative—
WM. B. STEWART,
Tel 94. 27 Front St. West, TORONTO.

MONTREAL, QUE.


Desirable Anti-Friction Metal—Langwell's Babbit, Montreal.

CANADIAN

HARDWARE AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XIV. MONTREAL AND TORONTO, FEBRUARY 22, 1902 NO. 8.

POCKET KNIVES

H. BOKER & Cos IMPROVED

TREE BRAND

TRADE MARK

RAZORS CUTLERY SCISSORS

FOR SALE BY LEADING WHOLESALE HARDWARE HOUSES.

"QUEEN'S HEAD"

Galvanized Iron.



More popular than ever.

Why ?

JOHN LYSAGHT, Limited, Makers, BRISTOL, ENG.

A. C. LESLIE & CO., MONTREAL, Managers Canadian Branch.



You've Read About It

What the name "Pullman" is to a railroad car, the name "SAFFORD" is to a Radiator.

It represents the most advanced mechanical principles of the day, backed by years of experience. It is perfect in utility and elegance.

SAFFORD is the only Radiator for hot-water and steam heating. No bolts, rods, or packing. Easy to handle.

If you have not our catalogue, write to us.

The Dominion Radiator Co.

Head Office: DUFFERIN ST., TORONTO Limited

Ship Chandlery



ROPE
PULLEYS
OAKUM
SPIKES
GALVANIZED
BOAT . .
FITTINGS, Etc.

RICE LEWIS & SON

LIMITED

WRITE FOR PRICES.

TORONTO.

IN STOCK

Common Black Sheets
Dead Flat Steel Sheets
Galvanized Sheets
Genuine Russia Sheets

Stock List and prices sent on application

M. & L. Samuel, Benjamin & Co.

General Importers and Exporters and Metal Merchants.

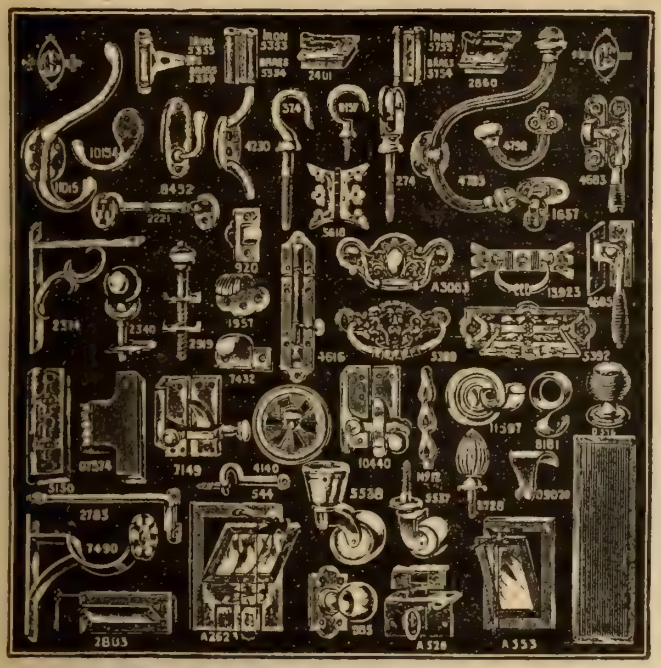
27 Wellington St. West, TORONTO, ONT.

James Cartland & Son

Manufacturers of every description of **Limited**

CABINET, BUILDERS', FURNISHING AND NAVAL BRASSFOUNDRY

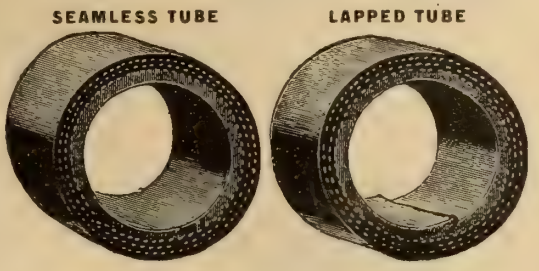
BIRMINGHAM, ENGLAND.



London Showrooms: 57 Holborn Viaduct, E.C.

GARDEN HOSE

Seamless Tube.



All brands of our **GARDEN HOSE** are made with our

Patent Seamless Tube

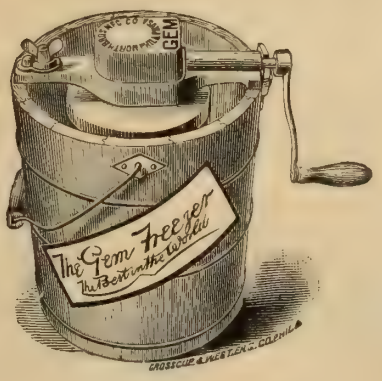
WRITE FOR DISCOUNTS.

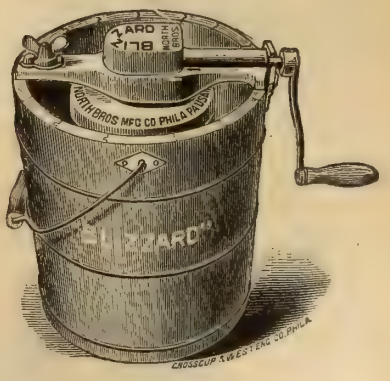
The Canadian Rubber Co.

MONTREAL **TORONTO** **WINNIPEG**

Lightning, Gem Blizzard . . . FREEZERS







ARE

Well Advertised.
In Demand.
Easily Sold.
Satisfactory in Use.
Of Known Reputation.

HAVE

Cedar Pails with Electric Welded Wire Hoops.
Cans of Heavy Tin with Drawn Steel Bottoms.
AUTOMATIC Twin Scrapers.
"The Ice Cream Freezer Book" tells all about these and our other Freezers, mailed free.

EXCEL IN

Easy Running.
Quick Freezing.
Economy.
Convenience.
Practical Results.

North Bros. Mfg. Co., Philadelphia, Pa., U.S.A.

WINDOW GLASS—TO IMPORT.

Prompt Deliveries

EVERY KIND OF PLATE AND WINDOW GLASS IN STOCK.

BENT GLASS of all kinds, our own manufacture. **Closest Prices.**

TORONTO PLATE GLASS IMPORTING CO.,

Hill & Rutherford

Warerooms and Offices—135 to 143 Victoria St.
Bending Works—209 to 213 Victoria St.

TORONTO

USE PHOSPHORINE ANTI-FRICTION METAL

It is the new discovery. Ask for particulars.

It is the only Anti-Friction Metal known to be chemically pure.



For Paper and Pulp Mills, Saw and Wood Working Machinery, Cotton and Silk Mills, Dynamos, Marine Engines, and all kinds of Machinery Bearings.

Wire, Triangular and Bar Solder, Pig Tin, Lead, Ingot Copper, Ingot Brass, Antimony, Aluminum, Bismuth, Zinc Spelter, Phosphor Tin, Phosphor Bronze, Nickle, etc., always in stock.

CANADIAN WORKS, MONTREAL, P.Q.
AMERICAN " SYRACUSE, N.Y.

Syracuse Smelting Works

DAVID MAXWELL & SONS

ST. MARYS, ONT., CANADA.



Steel Frame Churn.

"Maxwell Favorite Churn"

PATENTED FEATURES: Improved Steel Stand, Roller Bearings, and Foot and Hand Lever Drive, and Detachable Driving Link. Improved for season of 1902. Steel or Wood Frame as desired.

Wheelbarrows.

In Four different Sizes.

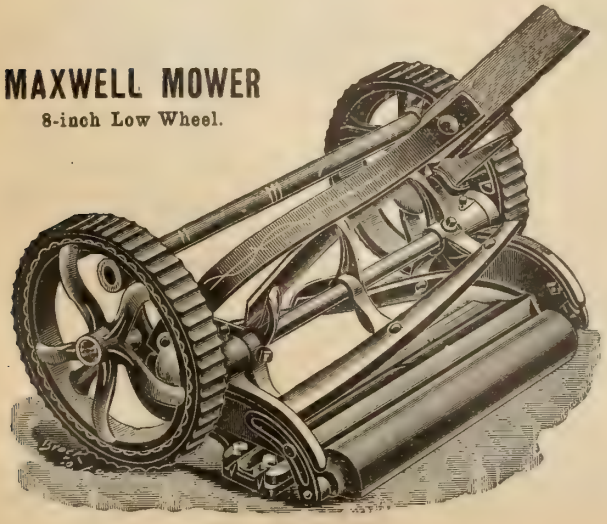
Lawn Mowers.

High and Low Wheels, from 12 in. to 20-in. widths. Cold Rolled Steel Shafting, Crucible Steel Knives and Cutting Plate.

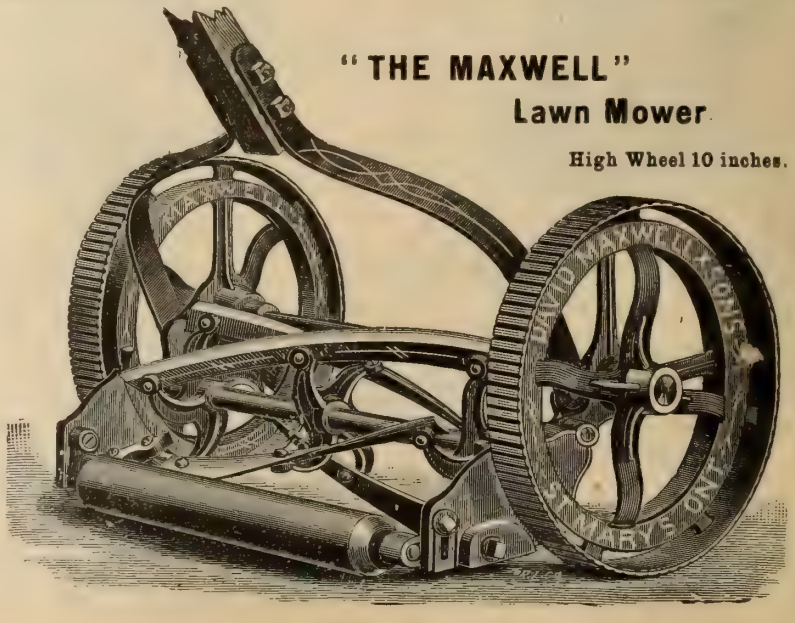
If your Wholesale House does not offer you these articles

SEND DIRECT TO US.

MAXWELL MOWER
8-inch Low Wheel.



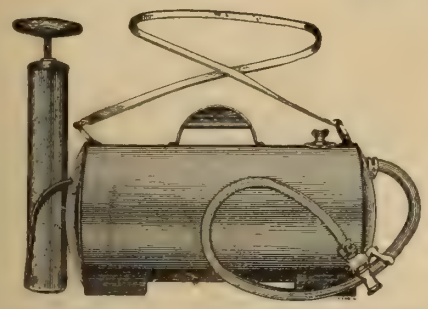
"THE MAXWELL"
Lawn Mower
High Wheel 10 inches.



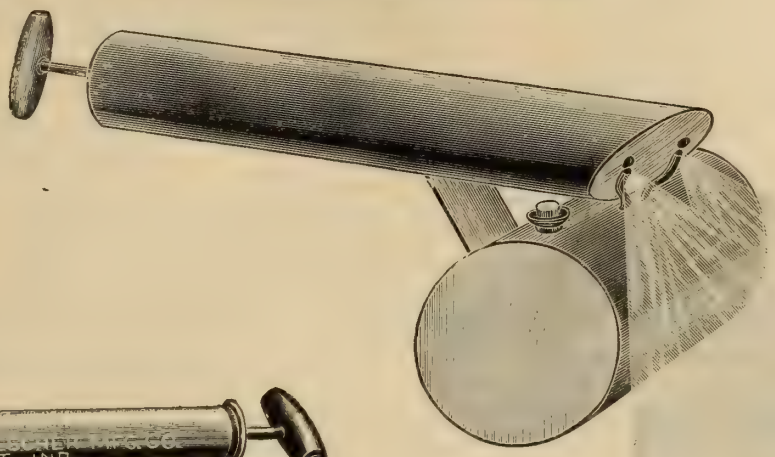
H. S. HOWLAND, SONS & CO.

ONLY WHOLESALE — 37-39 Front Street West, **Toronto.** — WHOLESALE ONLY

INSECT EXTERMINATORS.



No. 3—Galvanized Iron Tank, holding 3 gallons.
No. 3X—Copper " " 3 "



No. 13—"Lightning" Tin Pumps and Galvanized Tank.
No. 13— " Copper-Plated Pump and Brass Tank.

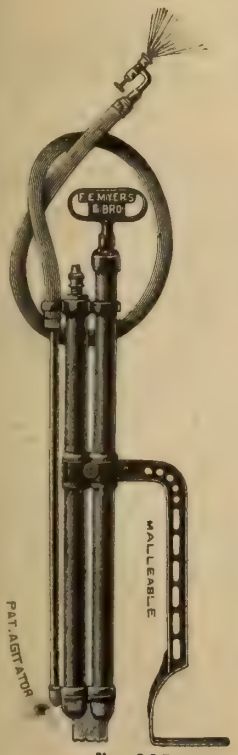


"Cataract," Tin, Lacquered.
" All Brass, cannot rust.

RETURNED FEB 28 1902

IMPROVED BRASS SPRAY PUMPS

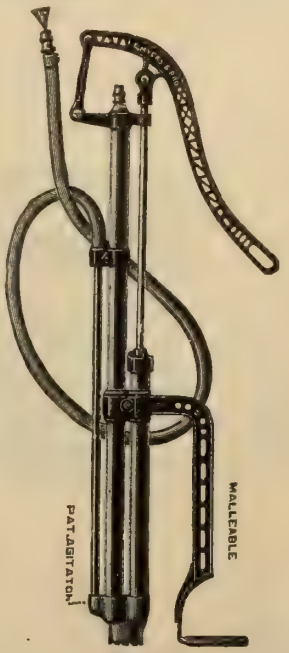
WITH PATENT AGITATORS.



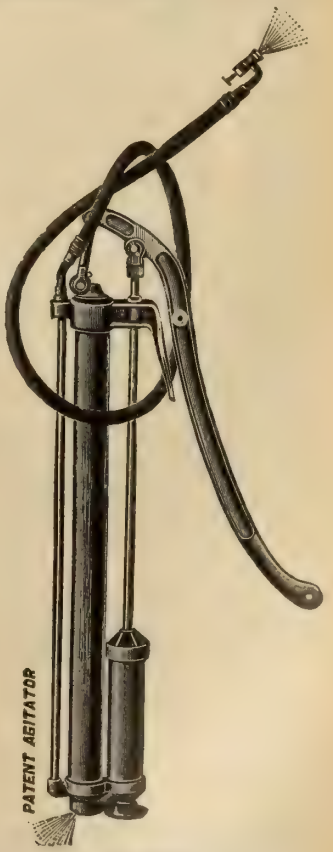
No. 325
Air Chamber, 1⅛ x 21 in.



No. 50
Air Chamber, 1⅛ x 19 in.



No. 324
Air Chamber, 1½ x 27 in.



No. 305
Air Chamber, 2 x 30 in.

FOR FULLER PARTICULARS WRITE US FOR PRICES.

H. S. HOWLAND, SONS & CO., Toronto.

OUR PRICES ARE RIGHT — Graham Nails are the Very Best. — WE SHIP PROMPTLY

Factory: Dufferin Street, Toronto.

HENRY ROGERS, SONS & CO.,

SHEFFIELD, ENGLAND

Manufacturers of the celebrated



H R S & C°

BARB and PLAIN

Galvanized Wire

Canadian Office:

6 ST. SACRAMENT ST., MONTREAL

F. A. YORK, Manager.



WRIGHT'S Insect Sprayers

PLAIN TIN,
LACQUERED,
ALL BRASS.

"BEST ON EARTH."

Manufactured by

E. T. WRIGHT & CO.

HAMILTON, ONT., and
MONTREAL, QUE.

J. H. Hanson, Agent, Montreal.

KNOX HENRY

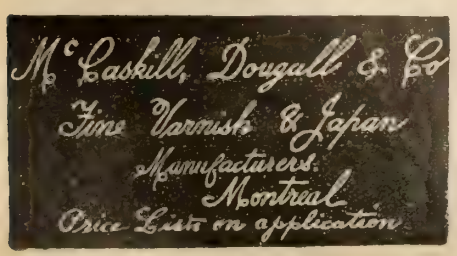
Heavy Hardware and Metal Broker
Room 32, Canada Life Bldg., MONTREAL



Samples sent free on application.

HORSE NAILS — "C." Brand Horse - Nails
Canada Horse Nail Co.

"BRASSITE" GOODS — Gunn Castor Co
Limited, Birmingham, Eng.



CHURCH'S COLD WATER

ALABASTINE

The demand for **ALABASTINE** comes with the opening of Spring, and continues all Summer.

Is your assortment complete, in all tints and white? Remember, "It is the early bird that catches the worm." The claim that "It is the early worm that gets caught," will not apply when stocking **ALABASTINE**. The dealer who gets **"CAUGHT"** is the one who, on the pretence that he is to have exclusive sale, or for any other reason, buys goods that are not in demand, and that have neither record of value nor proof of origin.

ALABASTINE is the only permanent wall coating ready for use by the addition of Cold Water, made so by the inventor, Mr. M. B. Church, who was the first to produce a cold water preparation that is thoroughly practical, that has superseded all hot water mixtures, and forced other manufacturers to **UNDERTAKE** the use of the cold water process.

ALABASTINE is made in Canada, by Canadian labor, and from Canadian materials. Twenty beautiful tints and white. Never sold in bulk.

The trade supplied by Wholesale Hardware and Paint Dealers. Also by

THE ALABASTINE CO., LIMITED, PARIS, ONT.

STEVENS ALL STEEL TOOLS

— ARE —

STANDARD FOR QUALITY.

Your stock is not complete without a full line of our **Rifles, Shotguns, Pistols, Tools and Victor Bicycles.**

Handled by the Leading Jobbers.

J. Stevens Arms & Tool Co., P.O. Box 217 Chicopee Falls, Mass., U.S.A.

THE INDEPENDENT CORDAGE CO., Limited,

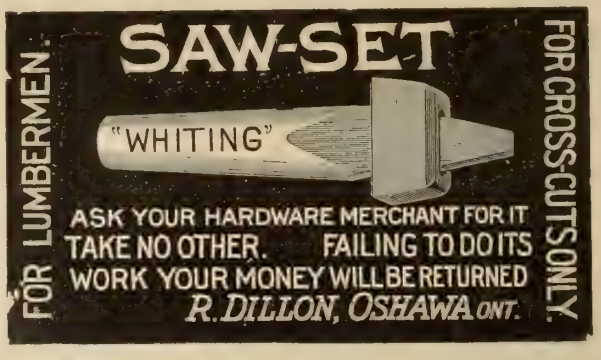
TORONTO.

Highest Award Pan-American Exposition

MANUFACTURERS OF ALL KINDS OF

SISAL MANILA **ROPE,** Lath Yarn, Shingle Yarn, Hide Cord, **BINDER TWINE** Pulp Cord, Clothes Lines.

Transmission Rope a specialty.



SELL GOODS THAT MAKE YOUR CUSTOMERS HAPPY

"English Steel Scythes"
Champion Saw Tools
Axes, etc.

R. Dillon, Oshawa, Ont.

H. & R. SINGLE GUN AUTOMATIC AND NON-EJECTING.

12 and 16 Gauges.
Steel and Twist Barrels.

Superior in Design, Workmanship and Finish, and the most popular Gun on the Market.

Simplest "Take Down" Gun Made.



HARRINGTON & RICHARDSON ARMS CO.
Also makers of H. & R. Revolvers,
Catalog on request. Worcester, Mass., U.S.A.

CONTRACTORS' SUPPLIES

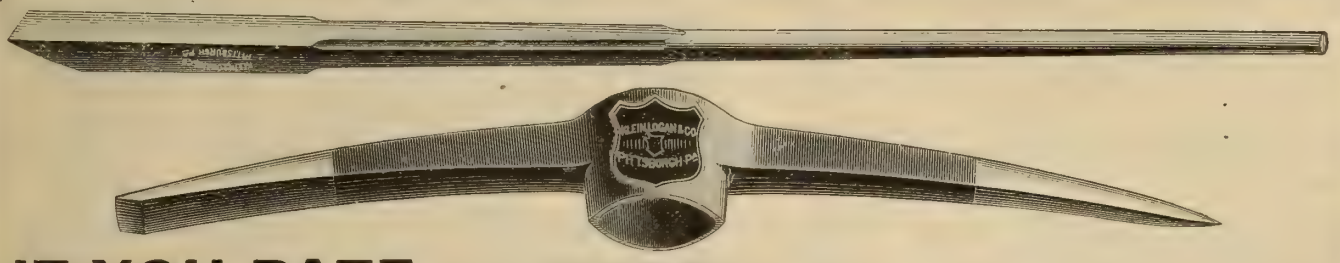


IF YOU RAISE

A HOUSE OR A FREIGHT CAR
BY MEANS OF **LIFTING JACKS**

WE CAN SUPPLY YOU
IN ANY QUANTITY

Seven all
FEB 20 1902
to mont. office



IF YOU RAZE

AN OLD STRUCTURE, BRIDGE, ETC.,
USING **CROW BARS** AND **PICKS**

WE CAN SUPPLY YOU
THE DAY WE RECEIVE YOUR ORDER

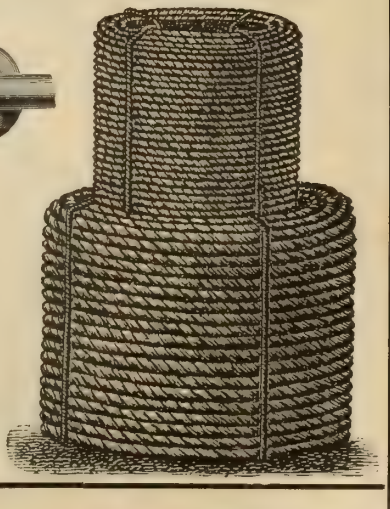


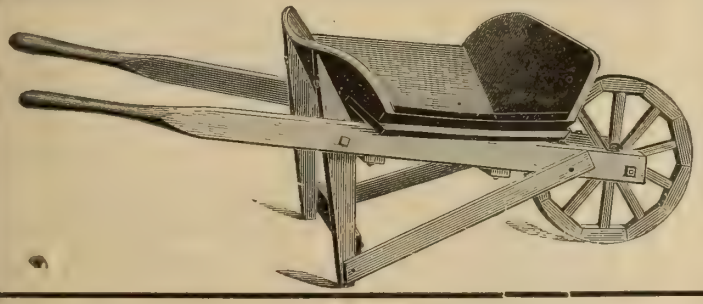


IF YOU HOIST

BEAMS, COLUMNS, OR TIMBER
WHICH CALLS INTO USE
TACKLE BLOCKS,
COIL CHAIN OR HEAVY ROPE

WE CAN SUPPLY YOU
TO YOUR ENTIRE SATISFACTION





IF YOU CONVEY

THE EARTH, STONE, ORE, ETC., WITH
ROAD SCRAPERS OR **WHEELBARROWS**

WE CAN SUPPLY YOU
AT FAVORABLE PRICES

IF YOU ARE INTERESTED

WRITE TO . . .

LEWIS BROS. & CO.

THEY REPLY PROMPTLY

MONTREAL

The Best Selling Range Ever Made.

Popular with dealers in every part of the country because it is so enthusiastically praised by every buyer.

Our Imperial Oxford

has won its laurels—it is the favorite range of Canada—widely advertised and everywhere appreciated for its practical superiority.

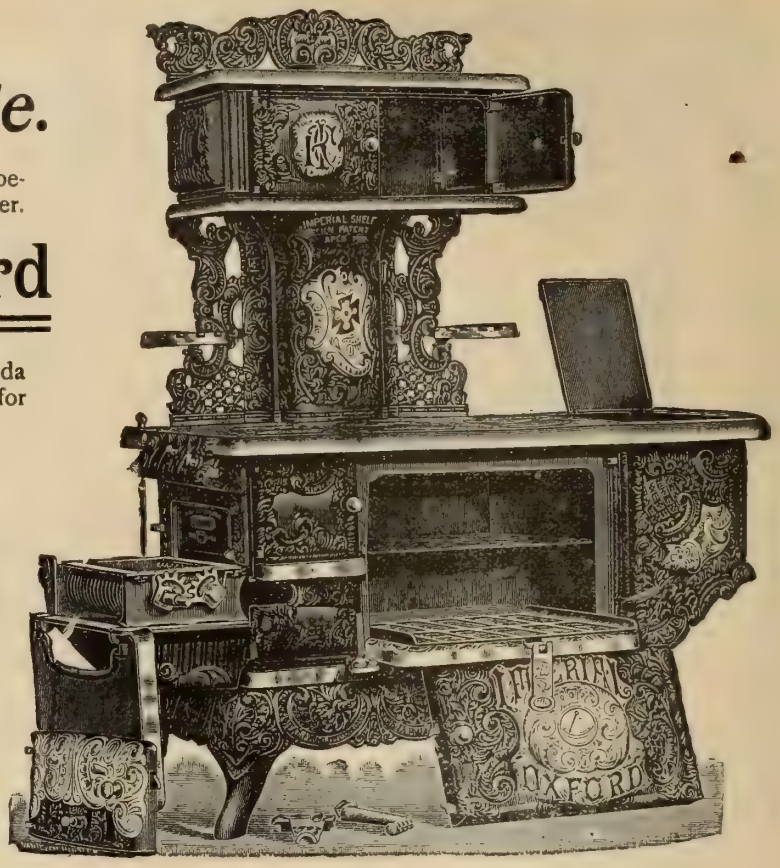
Are you familiar with its
Diffusive Flue Construction
Front Draw-Out Grate
Draw-Out Oven Rack
and other talking points



If there's any range business in your locality you'll get it by handling the Imperial Oxford. Fullest details if you write

THE GURNEY FOUNDRY CO., Limited

TORONTO. WINNIPEG. VANCOUVER.



THE GURNEY-MASSEY CO., LIMITED, MONTREAL.



Australasian Hardware and Machinery.

The Organ of the Hardware, Machinery and Kindred trades of the Antipodes.

SUBSCRIPTION $1.25 PER ANNUM,

post free to any part of the world.

PUBLISHING OFFICES:
Melbourne - Fink's Buildings.
Sydney, - - - Post Office Chambers.
AMERICAN OFFICES:
New York, - Park Row Building.
BRITISH OFFICES:
London, - - - 42 Cannon St., E.C.

Specimen Copies on application.

Six Good Reasons

why you should handle **Cosmopolitan Incandescent Lamps and Mantles.**



1. They are the result of years of experience and success.

2. They save 40 per cent. of the gas bill

3. They are not affected by changes in gas pressure.

4. Mantles like the Cosmo Excelsior Cap, supplied with cap and gauze, do away entirely with breakage in adjusting.

5. Every cap mantle carries with it a new gauze, insuring removal of any dirt or dust which may have accumulated.

6. We can sell them at remarkably low figures, viz.: **Manufacturers' prices** in Chicago, with duty added.

Cosmopolitan
Cosmo Leader
Cosmo Plain
Cosmo Excelsior Cap.

COMPLETE STOCK OF THESE MANTLES ALWAYS ON HAND.

THE ROCHESTER LAMP CO. OF CANADA

24 Front St. West, TORONTO.

THE OSHAWA WIRE FENCE CO., LIMITED

OSHAWA, ONT.

Manufacturers of Woven Wire Fencing, Gates, Etc.

Also Dealers in Galvanized Fence Wire.

Agents Wanted.

Send for Catalogue and Prices.

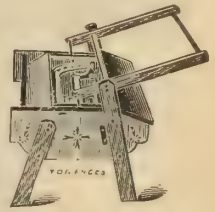


"DAISY" Cchurn

Has tempered steel cased bicycle ball bearings, strongest, neatest and most convenient frame. Only two bolts to adjust in setting up. Steel Bow Levers, suitable for either a standing or sitting posture. Has four wheels and adjustable feet to hold stand steady while churning. When churn is locked to stand the bow can be used as handles to move it about on the front wheels as handy as a baby carriage. Open on both sides to centre, giving free space for pail. Made with wood or steel stands, with Cranks only, or Bow Levers as desired.

Vollmar Perfect Washer

Has a most enviable record. A perfection of its kind—will wash more clothes in less time, do it better and easier, with less wear and tear, than any other machine.



THE

Wortman & Ward Mfg. Co., Limited

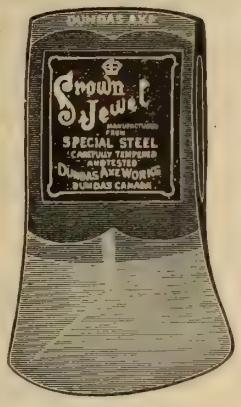
LONDON, ONT.

Eastern Branch, 60 McGill Street, Montreal, Que.

There are twelve Axes that sell well in every dozen of

DUNDAS AXES

Wait for travellers with samples before placing your orders.

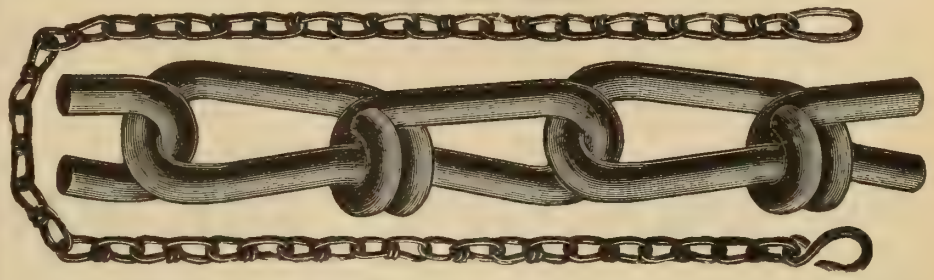


Dundas Axe Works, Dundas, Ont.

W. L. Haldimand, Jr., Montreal, Agent.

BROWN'S PATENT STEEL WIRE CHAIN.

PATENT NO. 32840.



If you are interested in chains examine carefully the perfect mechanical construction of the Brown's. It is the most perfect chain made. We make it in 13 sizes. We use it exclusively in all our Halter, Dog, Tie-out, Cattle, Trace Chains, etc. You will make no mistake in handling our line exclusively.

THE B. GREENING WIRE CO., LIMITED

Hamilton and Montreal.

WORKS: ST. HELENS, ENGLAND, AND MAUBEUGE, FRANCE.

Pilkington Brothers, Limited

MANUFACTURERS OF

POLISHED PLATE

—and—

WINDOW GLASS

PLAIN AND BEVELLED MIRROR PLATES

Prismatic, Wired, Rolled Plate, Fancy Cathedral, Colored Glass, etc.

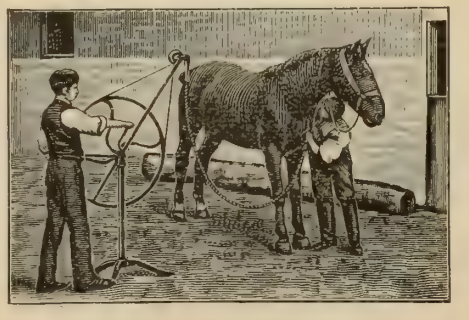
DEPOTS:

Busby Lane, Montreal, and Mercer Street, Toronto

BURMAN & SONS' CELEBRATED CLIPPERS

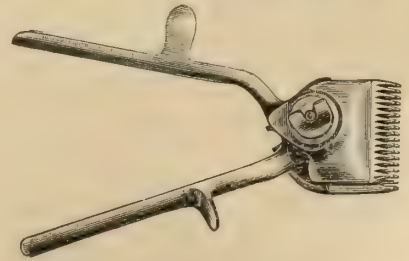
Established 1871. **BIRMINGHAM, ENG.** for Horsemen and Barbers.

NO. 297.



NO. 3—POWER CLIPPER, with "Wrist Joint."

As supplied to { The Czar of Russia. The King of Denmark. Earl Roberts, Etc., Etc.



THE "LEOPOLD" TOILET.



THE "WARWICK" CLIPPER.

Cuts over three teeth.

As supplied to His Majesty's War Department.

SEND FOR PRICE LIST AND TERMS.

To be obtained from all the principal Jobbers throughout the Dominion.

Locks and Builders' Hardware.

We have a most complete line of all these goods, including the very newest ideas in

Bronze and Brass Knobs, Door Sets and Escutcheons.

LOCKS AND LATCHES OF ALL KINDS.

Any dealer asking for a catalogue will be sent full prices, discount sheets, etc., etc. Drop a card.

ESTABLISHED 1843. INCORPORATED 1893.

The Gurney-Tilden Co., Limited

Hamilton, Toronto, Montreal.

AGENCIES :—SAINT JOHN, N. B., VANCOUVER, B C.

Supplies for the Maple Syrup Season

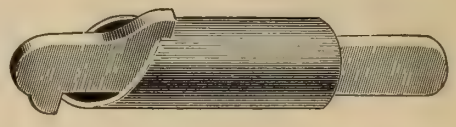


Sap Buckets.

Extra deep and straight. Three sizes. They possess many advantages over the ordinary flaring Buckets; being small in diameter they do not catch the rain or snow, and, as they are very deep, they hang perpendicularly and consequently will not overflow until full. Covers supplied if required. They nest close for shipping or storing.

We can also supply the ordinary Flaring or Western Sap Pails.

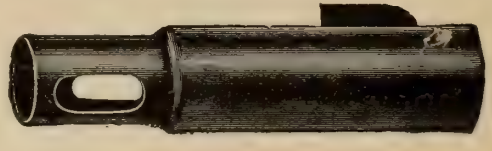
E. T. Sap Spouts.



Made of Retinned Steel. Strong and durable. Only require a ⅜-in. hole in tree. It does not cover the inside surface of the hole, therefore a larger amount of sap is obtained. Packed in cardboard boxes.

Maple Leaf Sap Spouts.

Made in Bronzed Steel. Require a ½-in. hole. Has a shoulder which prevents it being driven in too far. The hole in the tree is not exposed to wind and snow, consequently sap will flow longer. Packed in cardboard boxes.



Syrup Cans. Round or Square.

Plain or Decorated. Made in ¼, ½ and 1-gallon sizes—either Wine or Imperial measure.

A FULL STOCK CARRIED IN ALL LINES. ORDERS SHIPPED PROMPTLY.

KEMP MANUFACTURING CO'Y, - - Toronto, Canada.

HARDWARE AND METAL

VOL. XIV. MONTREAL AND TORONTO, FEBRUARY 22, 1902. NO. 8.

President:
JOHN BAYNE MacLEAN,
Montreal.

The MacLean Publishing Co.
Limited

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P.E. Island and Newfoundland.

OFFICES.

MONTREAL - - - - 232 McGill Street. Telephone 1255.
TORONTO - - - 10 Front Street East. Telephone 2701.
LONDON, ENG. - - 109 Fleet Street, E.C. W. H. Miln.
MANCHESTER, ENG. - - 18 St. Ann Street. H. S. Ashburner.
WINNIPEG - - - Western Canada Block. J. J. Roberts.
VANCOUVER, B.C. - - - Flack Block. J. A. Macdonald.
ST. JOHN, N.B. - - No. 3 Market Wharf. J. Hunter White.
NEW YORK - Room 442 New York Life Bldg.

Subscription, Canada and United States, $2.00.
Great Britain and elsewhere - - 12s.
Published every Saturday.

Cable Address { Adscript, London. / Adscript, Canada.

WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

UNION WITH NEWFOUNDLAND THE REMEDY.

NO scheme for improving the navigation of the St. Lawrence can be complete until Newfoundland is properly guarded by lights and buoys. It would be like fastening the windows of a jeweller's store and leaving the main entrance unlocked.

The Herald, St. John's, Newfoundland, tells us Newfoundland can do nothing on account of her moribund condition financially; and, being outside the Dominion, the Dominion Government cannot spend money on doing what Newfoundland should do, but which she is financially unable to do.

When Avaugour, the new French Governor of Canada, in 1663 wrote home to France, he declared: "The St. Lawrence is the entrance to what may be made the greatest State in the world." While there was, perhaps, some exaggeration in what he said, we to-day have really more solid foundation than he had upon which to build up hopes of a great future for this country. Of recent years, however, the St. Lawrence route has by no means increased in popularity. Not because its importance is any less recognized. The country is, perhaps, less dependent upon the St. Lawrence route than it was years ago, when the railway facilities to and from Atlantic seaboard ports were not what they are to-day; but it is still the main highway to Canada from Europe, and always will be. What prevents it from enjoying the popularity it should and of attracting the traffic its extent and importance warrants, is that there is not a sufficiency of lights and buoys to properly guard it.

The St. Lawrence is no more dangerous in its natural condition than other similar routes; but the trouble is that the same efforts have not been put forth to put it in as high a state of efficiency as have been made on some river routes in other parts of the world.

We do not for one moment mean to infer that the Canadian authorities have done but little. On the contrary, they have done a great deal; but the trouble is, a great deal more yet remains to be done. And, unfortunately, the difficulty of making the necessary improvements is made all the greater by the matter being in the hands of two countries, for such Canada and Newfoundland really are, instead of one.

This is one among other things that would be facilitated by Newfoundland and Canada becoming one.

LOWER PRICES ON WOODENWNRE.

A REDUCTION has been made in the prices of woodenware. Pails are down 10c. and tubs 50c. The new and the old prices in Toronto are as follows on the lines of most interest to the grocery trade:

Pails, No. 1, 2-hoop.....	$1 55	$1 65
Pails, No. 1, 3-hoop.....	1 70	1 80
Pails, half and covers	1 60	1 70
Pails, quarter, jam and covers	1 10	1 20
Pails, candy and covers	2 40	2 75
Tubs, No. 0.....	8 50	9 00
Tubs, No. 1.....	7 00	7 50
Tubs, No. 2.....	6 00	6 50
Tubs, No. 3.....	5 25	5 75

The cause of the reduction is understood to be the competition of woodenware from the United States.

The imports of tubs and pails into Canada are not large, for, taking all classes, including churns, washboards, pounders, rolling pins, as well as pails and tubs, the value was only $60,291 in 1901 and $43,738 in 1900.

The Customs duty on woodenware is 20 per cent.

LINSEED OIL 5c. HIGHER.

AN advance of 5c. per gal. took place simultaneously on Wednesday, February 10, in both Toronto and Montreal. This makes the price of raw in 1 to 4 barrel lots, in both places, 80c. At outside points, the price is the usual 2c. per gal. higher.

The advance is in sympathy with the outside markets.

Seed has become scarce in Great Britain, and the price of oil there has advanced to a figure that would mean 80c. delivered in Toronto in 100-bbl. lots.

The market is also strong in the United States, and a Canadian house that recently bought a round lot of seed in New York has been offered $500 by the broker who made the sale to forego the deal.

HARDWARE AND METAL has been informed that in Ontario all the oil that can be produced by the crushers during the next three months has already been sold.

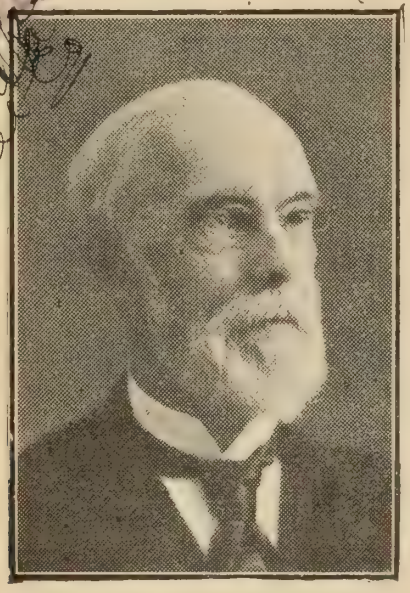
DEATH OF TWO WELL-KNOWN HARDWAREMEN.

The Late Mr. James Ferrier.

WE briefly referred in our last issue to the death of the late Mr. James Ferrier, which information only reached us by wire as we were going to press.

We are now enabled to furnish our readers with some further particulars of his commercial life, and also an excellent photo of the deceased.,

Mr. Ferrier was born in Montreal September 1, 1823, and was, therefore, over 78 years of age at his death. He commenced business in partnership with the late Mr. Bryson as wholesale and retail hardware merchants, under the name of Bryson & Ferrier, on June 1, 1844. For many years this firm had a large and profitable business, and many well known names in the hard-



THE LATE JAMES FERRIER.

ware world received their business training under them. Mr. James Crathern entered their employ at this time, and remained with them until he commenced the business, now so well known throughout Canada, of Crathern & Caverhill.

These were the days when travelling was done for the most part with stage or sleigh, and, during the season of navigation, by boats. The customers came to town and personally purchased their supplies. There were no commercial travellers and railway facilities were exceedingly limited ; trade followed, for the most part, the natural water routes. The relations between merchant and customer were more personal in their nature than now, and lifelong friendships and attachments were built up between them.

The bulk of hardware, iron and steel were imported from Great Britain and the arrival of the spring fleet of sailing vessels was an important event in the commercial life of the day. The merchant who had the stock obtained his price ; no disturbing influence, such as now exist by reason of telegrams, cablegrams and telephone. It would represent a matter of weeks before a new arrival of goods could be had to replenish the stocks if depleted. It was quite the usual course, on navigation being closed, that the merchants would advance their prices on all staple lines, to a winter basis. They did not have a hardware association in those days, but they had something better. They had confidence in one another, and when a merchant agreed with his fellow merchants to advance or change the price, his word was considered "as good as his bond."

Fortunes were not large in those days nor easily made, but a good profit and trade insured for the merchant a comfortable competence, which served to assist in prolonging the lives of many of the "old guard," of whom Mr. Ferrier was one, to a ripe old age.

It was characteristic that whatever he undertook to do he threw his whole energy into it. He was punctilious to a degree, and an engagement was to him a debt of honor.

In his relations to his employes he was always courteous and considerate ; the innate instincts of the "old-time gentleman" were ever shown to those who deserved it, but to those who transgressed and brought upon themselves his reprimand, he did so in unmeasured terms.

Mr. Ferrier was associated with Mr. Mooney in partnership in the manufacture of horse nails, which business they established at Montreal in the year 1865, and so well known at the present day, and since incorporated under the name and style of The Canada Horse Nail Co. They also commenced the same business at Ausable Chasm, N.Y., in order to secure a portion of the United States trade in that article. He was also one of the original shareholders of the present Hamilton Powder Company and the New Rockland Slate Company.

In his early days Mr. Ferrier was an enthusiastic volunteeer, and as early as the Rebellion days of 1837 took part in that capacity in the events of the day. Later on in life he was connected with the Montreal Garrison Artillery, of which he became lieutenant-colonel.

He was connected all his life with the Methodist Church, of which both he and his father, the late Hon. Senator Ferrier, were trustees of St. James'. His collections of autograph letters and portraits of Wesleyan Conference Presidents were very complete and exceedingly rare.

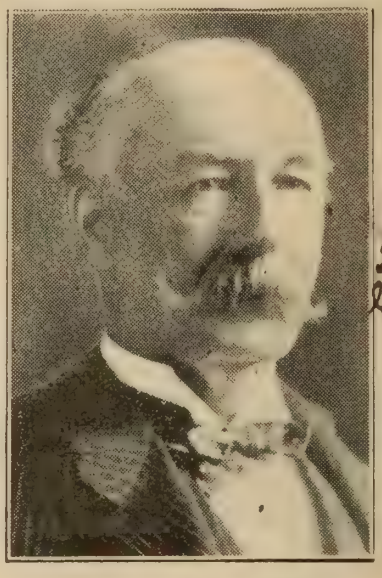
Until recent years he occupied his leisure in microscopical work. His microscopes and collection slides were the best in Canada. Unlike many of our business men of to-day, he made time to devote to these pleasant studies and hobbies.

Mr. Ferrier had been in frail health during the past year, but usually came down to his office for a portion of each day however. He was down as usual on Tuesday, the 11th inst, but took a severe chill the same evening, which developed into pneumonia, from which he died on Thursday last, after only two days' illness, He leaves a widow, one son and two daughters. "Requiescat in pace."

The Late John A. Pillow.

Mr. John A. Pillow, president of The Pillow & Hersey Manufacturing Co., Limited, Montreal, died on Sunday afternoon, February 16. He had been in poor health for two weeks, and his death was the result of an aneurism.

Mr. Pillow was born in Montreal in 1840. Thirty years ago he succeeded to the old-established rolling mills business of T. D. Bigelow & Co., and formed a partnership



THE LATE JOHN A. PILLOW.

with Mr. Randolph Hersey under the style of Pillow & Hersey. The business was subsequently formed into a joint stock company under its present name, and Mr. Pillow was the president of this company when he died.

The deceased gentleman will be greatly missed, both in business and social circles. As a business man, he was known as one of the most conscientious and honorable. His sympathetic and generous disposition, and his willingness to extend a helping hand to a less fortunate person, made for him an unusual number of friends to regret his death.

Mr. Pillow was a member of the American Presbyterian Church, and of the Montreal Board of Trade, the Forest and Stream Club, the St. James' Club, and also of the Manhattan Club, New York. He leaves a widow and two sons, one of whom, Mr. Lawrence Pillow, is an officer in the Pillow & Hersey Manufacturing Company.

WESTERN RETAIL IMPLEMENT DEALERS.

THE second annual meeting of the Western Retail Dealers' Implement Association convened in the City Hall, Winnipeg, on Wednesday, February 12, and the attendance was considerably more than double that of the first meeting. H. F. Anderson, president, occupied the chair and his annual address gathered up and emphasized the work attempted and carried through in the past year. This address was followed by the secretary's report which showed a very large amount of missionary work done, he having visited 143 points in Manitoba and the Territories and interviewed 400 implement dealers. The present membership has already reached the goodly proportion of 380. The secretary also gave interesting accounts of visits to sister associations, particularly that of the Retail Implement Dealers, of Minnesota and North Dakota, convened at Crookston in January. The directors' report came next and was as follows :

REPORT OF DIRECTORS.

Gentlemen,—Your directors beg to report as follows :

Condition of the Implement Trade.—The stringent policy taken by one of the companies last year was of great importance to the association, and now practically the representatives of all the companies are on an even footing. Such a fortuitous circumstance will be the means of uniting the dealers together in a short period, and with the vigorous efforts of last year continued a material change of sentiment, and increased prosperity among the dealers will be assured. The ititial effort has been made to lessen the old time suspicion prevailing among the dealers; they have met together and discussed the association platform. Meetings were held at almost every point, and generally resulted in organization; although at some points not accomplished, a desire was shown to further the work, and this year all points should be successfully united.

The Territorial trip was taken after harvest. The same trade conditions exist in the West as in Manitoba, and in some particulars are more aggravated, particularly in the matter of shading prices. Although the work of the association was practically unknown in the Territories, yet much successful organization was done, and there is no doubt that completer organization can be affected when the movement is more generally understood. In this connection it is suggested, that in view of the heavy expense of missionary work in the West, that an effor. should be made to give to the Territories a separate organization in affiliation with Manitoba, believing that the objective point would be much sooner accomplished in this way, the members already secured forming the nucleus of the branch association. Meetings should be held at two or three of the most accessible points, calling the dealers in convention, saving time and expense of a canvass from town to town. The large influx of new settlers into the West will bring the dealers to face the second-hand implement problem very shortly, and the sooner united effort is made to meet this the better. Hitherto this has not been a vital question in the West.

The line of work undertaken during the past year was: (1) Stop taking in trade second-hand binders, mowers, rakes, seeders, drills; (2) selling no goods on next year's terms, and maintain prices; (3) conserving business to the legitimate implement dealer; (4) protect dealers from the dead beat and impoverished customer.

Membership—The large membership secured during the past year is attributable to the methods employed as authorized at the last annual meeting. The greatest measure of success was had at those points where the dealers were willing to forget past differences and unite in a settled policy of protecting their own interests. At the outset, while a general educative force was employed, an agreement was made only in reference to second-hand machinery—when it became evident that a more far-reaching policy was necessary and the fundamental principles, repairs on a cash basis; settlement on delivery of goods; not to interfere with or endeavor to cancel an order given, and maintaining prices, were embodied in agreement. It must be evident to you that the success of the association depends largely on harmonious cooperation of all retail men, certain disturbing factors militated somewhat and destroyed the effect of the work done and while the measures taken met the case to some extent yet they were not altogether satisfactory, but it is hoped that by a general desire to do business on substantial lines it will be unnecessary to revise the status of membership of the association. The retail dealers of Manitoba and the Northwest Territories have now dropped their individuality and become a body corporate, and while the truism "in unity there is strength," is patent to all, and the fact of the dealers getting together, has had a general moral effect on the wholesale and jobbing trade, there yet exist grievances that will be referred to under their proper head, it is our hope may be rectified, or at least some measure of relief be obtained. It must be borne in mind, however, that the equities of the case should be fully considered and the retail and wholesale interests harmonized as far as possible. At the present time, February 8, 276 certificates were paid and a number are payable at this convention that should increase the membership roll another 50. It has been suggested that the means of securing members for 1902 should be the same as last year, but that district meetings should also be held and is for your consideration. The first and primary necessity at this time is for every retail implement dealer to become a member of the association and give his individual assistance to bring success to the implement trade.

Abused Credit.—Your attention is called to the facility with which the farmer can obtain a line of credit at not only one but with every implement house in a town. The unfortunate jealousies in the past were in a large measure responsible for this order of things and while the movement to issue a red list was not successful last year, it should be brought out at this convention what steps should be taken to bring into effect a better state of affairs. Certainly some line could be agreed on if it was only in the way of listing men from whom machines had been repossessed, or who had never intended to pay for the goods obtained. Much good resulted to the dealers who exchanged confidences on this subject and their profits conserved from a raid proposed by this class of people. There is yet much to look forward to on this line.

Grievances—Binder Twine.—These two words are fraught with much import to you. That there is dissatisfaction with present state of affairs it is useless to deny, but to suggest a remedy is a hard problem to solve. Time and the determined effort with which you bring to bear on present methods will bring about improved conditions. Any one company is powerless to change their methods as long as any other insist that theirs is above question, and what commissions are earned by you in the sale of this line of goods are not a consideration for the effort made. There is one point at least that might be changed for this season, and that is in the matter of repairs to machines sold prior to 1902. It certainly should not be expected by any mannfacturer that the retail dealer should continue free services for repair to these machines and no customer should be led to expect such. This matter should be dealt with at once, as also that of interfering with or cancelling orders

Wholesaling Goods to Other Than Dealers.—Vehicles and farm machinery have been sold by travellers to persons not implement dealers nor connected in any way with the trade. Here it might be added that some firms might draw the line in the selection of a representative for their goods. Some combinations of business brought to notice are not conducive to the up-building or the standing of the implement trade, and by continued efforts on association lines a settled financial standing will eventually be obtained, that must obtain recognition so far that no goods will be sold to any person ineligible to membership in this association—a change much to be desired. Some concerns think that so long as their goods are not represented they are at liberty to sell at retail and ship to some local merchant in order to get jobbers' freight rates. It is to be regretted that this has prevailed to a considerable extent, especially in Assiniboia and Alberta. A resolution on this subject will, no doubt, be presented for your approval.

Contention of Wholesaler and Retailer.—Salaried agents of different companies frequently resort to cutting prices to make sales in the territory of other commission men. Salaried agents of the same company have cut prices to make sales in the territory of a commission man. Goods have been sold for cash as much as $30 lower than the price quoted on company's price list on single articles, and in some cases where two or three articles were quoted on a wonderful variety of figures was presented. Probably more discontent and acrimonious discussion has been produced by these methods than any other during the past season. Some dealers have been particularly open to question in this respect, and while representations were made and assurances given that it was a mistake, or inquiry would be made, investigation has proved that the guilt existed. The cutting of prices by salaried agents in the territory of commission men has to some extent been adjusted and may not occur again. In this connection might also be noted the fact that considerable ill feeling was created in some sections of Manitoba by the representatives of a company replacing the machinery of another company in the field, a condition of things that will hardly meet with your approval. If machinery is not giving satisfaction it is quite time enough and will bring about and maintain better relations by insisting that unsatisfactory goods be returned to dealer before other machinery is placed. Price-cutting among the dealers exists very largely in the Alberta district, the trade in wagons being practically ruined, while at Dauphin a similar state of affairs exists through the agency of a livery man. Discussion on this subject may bring out more than mentioned and may be dealt with by the Committee on Resolutions.

Contracts—Contracts have evidently been made too much on a sliding scale, due altogether to a desire to be represented at certain points. If goods could not be sold on usual terms or to regular dealer a commission contract has been made resulting in excessive competition and destroying local trade.

Conditions — Contracts should be carefully studied by every dealer, the time for settlement and basis of same particularly. In those districts where the season is late the settlement date should be fixed accordingly and it is in your hands to get a contract to meet your conditions. No words too strong can be said on the matter of understanding of contract. Made by one man and finished by another you settle on the wording of the contract and it is a rock that has broken many. The specious words with which you were enticed to make concessions to obtain trade and be the good fellow with the travelling man on whose lips you hung, have been rudely brushed aside to the stern reality of what you had on paper and should warn you to stand up to the requirement therein specified. Intelligent conception of your contract and keeping to it like meeting a note with your banker is the easiest way of having very pleasant relations with your wholesale dealer. As stated earlier in this connection the equities of the case have usually been met by the wholesale trade and full justice done in all cases on proper presentation.

Freights and Express—Mr. H. W. Hutchinson, secretary-treasurer of the Winnipeg Carriage and Implement Dealers' Association, will review what has been done on this subject. This association is not satisfied with what was accorded by the railway companies in meeting their representation on the question of freights, and that we strongly urge the freight committee to renew and continue the efforts in this direction, that we not only get better classification on goods but also on cars, and that a subcommittee be appointed to cooperate with the Winnipeg Carriage and Implement Dealers' Association in respect thereof. In the matter of express this has been referred to in report of secretary and will be acted on by the committee on resolutions.

Repairs—some reform in the matter of repairs is necessary. Retail dealers do not give this matter sufficient inquiry on demand for free repairs and frequently the wholesale dealer is called to make good free what should be paid for by the customer. It is also adding to the retail dealer work for which no remuneration is received for communicating by wire and sometimes the payment of the expressage. Free repairs should be given only after careful inquiry and the equities of the case fully gone into and then see that your end of the deal has its compensation.

The office of secretary has not been of that executive character that it should be on account of time occupied in necessary travel during 1901. It is intended that the dealers should be represented

at Winnipeg through the secretary and matters of adjustment, commission, or inquiry made through him. In this way many matters of considerable convenience to the dealers could be arranged.

The thanks of the association are due the Canadian Pacific and Canadian Northern Railways for according to our members a one fare rate to this convention which has been so largely availed of.

All of which is respectfully submitted. H. F. Anderson, president; R. McKenzie, Winnipeg; Alex. May, Carberry; I. P. Porter, Portage la Prairie, A. T. Smith, Morris; W. Williams, Gladstone; I. C. Nelson, Brandon.

EDGAR W. RUGG,
Secretary.

One of the addresses of great practical importance to the convention was that of W. R. Mulock, K.C., on legal points in connection with the trade. Some of the matters touched on were as follows: He spoke very strongly upon the subject of contracts and urged the delegates to be always on the alert regarding the form and terms of contracts, and to see that everything was plain before signing same. Perhaps no part of the implement trade gave the legal fraternity so much to do as this one of contracts and their interpretation. It is often the case that verbal alterations between the parties cause trouble when settlement day comes. He also strongly urged the country agent to remember that monies collected under contract are trust monies and should be treated as such. Notes and their legal position were next discussed. The speaker stated that even in legal circles there was a great deal of uncertainty as to how far a note can be hedged around with lien arrangements before it ceases to be a negotiable instrument. One thing he did strongly urge was that settlements should invariably be secured from the farmer before he takes the goods out of dealers' hands. At the conclusion of this address many of the delegates put questions to the speaker upon difficult legal points which he answered to the satisfaction of all. A very hearty vote of thanks was tendered to Mr. Mulock at the conclusion of his remarks for the many valuable hints given.

H. W. Hutchison, of the Winnipeg Carriage and Implement Association, gave a valuable address on freights and express and of what had been accomplished by the Association during the year in the way of improvement.

Another speaker listened to with great pleasure and enthusiasm was H. C. Staver, of Chicago, who spoke on "Association Work."

The evening session was more or less of a social character, as, in addition to the addresses, there was excellent music furnished by the Mandolin and Guitar Club. The second day was devoted largely to routine business and the election of officers, which resulted as follows:

ELECTION OF OFFICERS.

President — H. F. Anderson, Winnipeg, re-elected by acclamation.

Vice-President—Arthur Mack, Carberry.

Directors — Jas. Winram, Pilot Mound; F. Chapin, Hartney; W. J. Smith, Regina; Geo. Ashdown, Morden; A. R. Hopper, Alameda; I. Nelson, Brandon; W. J. Helliwell, Oak Lake; Jno. Menzies, Minnedosa.

Auditor—Wilbert Ross, Manitou.

The concluding feature of the convention was a five-minute address by Mr. Staver, in which he strongly urged the delegates not to forget the many good things they had heard during the two days' meeting, and to put into practice some of the many splendid suggestions as to ways of working which had been drawn out by the various discussions.

If a word of criticism of the proceedings might be offered it would be that there was too much time wasted in minor discussions and in the election of officers. Some more rapid and efficient way of despatching business should be arrived at.

The representative character of the meeting is shown in the list of those who attended:

LIST OF MEMBERS IN ATTENDANCE.

Anderson & Greenwood, Fleming, Assa.; Geo. Ashdown, Morden, Man.; Aime Charler, Emerson, Man.; G. Bruce, Napinka, Man.; J. J. Barber, Wolseley, Assa.; Chas. R. Boultbee, Broadview, Assa.; W. J. Britton, Carman, Man.; E. Bolton, Saltcoats, Assa.; P. Butchart, Treherne, Man.; Frank Williamson, Belmont, Man.; Burke & Shearar, Gainsboro, Assa.; F. Chapin, Hartney, Man.; S. Clarke, Shoal Lake, Man.; J. M. Chalmers, Pilot Mound, Man.; A. W. Dalgleish, Rouleau, Assa.; C. D. Hay, Belmont, Man.; H. D. Doell, Winkler, Man.; A. Nbrick, Winkler, Man.; Chas. R. Duxbury, Elkhorn, Man.; Geo. A. Dinwoody, Neepawa, Man.; D. H. Fleming, Broadview, Assa.; E. F. Fitzpatrick, Elgin, Man.; S. G. Greenwood, Fleming, Assa.; J. J. Heaslip, Alameda, Assa.; W. J. Helliwell, Oak Lake, Man.; W. J. Hyde, Balgonie, Assa.; A. R. Hopper, Alameda, Assa.; J. M. Hackney, Morris, Man.; J. J. Holiday, Elm Creek, Man.; D. W. Jones, Roland, Man.; F. F. Johnston, Antler, Ass.; Jos. Leybourne, Holland, Man.; Alex. Menzies, Shoal Lake, Man.; A. E. May, Carberry, Man.; I. Moore, Cypress River, Man.; Arthur Mack, Carberry, Man.; Wm. B. Martin, Shoal Lake, Man.; W. J. May, Portage la Prairie, Man., T. A. Metcalfe, Treherne, Man.; D. M. Rae, Arden, Man.; A. McNab, Alexander, Man.; R. McKenzie, Winnipeg, Man.; J. E. Menzies, Minnedosa, Man.; J. H. Macdonald, Emerson, Man.; A. B. McLeod, Brandon, Man.; T. J. Noble, Carman, Man.; I. C. Nelson, Brandon, Man.; E. J. Parker; W. Ross; P. A. Scott, Fleming, Assa.; A. S. Smith, Morris, Man.; R. Shore, Hartney, Man.; R. J. Stewart, Holland, Man.; R. H. Scott, Methven, Man.; H. A. Shoultz, MacGregor, Man.; John Taylor, Arden, Man.; B. Van Blaricom, Arden, Man.; W. Williams, Arden, Man.; Geo. Winram, Killarney, Man.; James Winram, Pilot Mound, Man.; Winteringham & Darrogh, Oxbow, Assa.; Fred Waller, Brandon, Man.; Chas. Wahn, Gretna, Man.

A DISASTROUS FIRE.

Between 6 and 7 o'clock on Thursday evening, February 20, the extensive premises of The Menzie Manufacturing Co., Limited, Pacific avenue, Toronto, together with the factory of The Merchants Dyeing and Finishing Co., acoss the street, were visited by a disastrous fire, entailing a loss of $100,000 on the former and $90,000 on the latter concern. On The Menzie Manufacturing Co.'s premises the insurance amounts to $105,000 and on the other $90,000. The former company have made arrangements to carry on business as usual.

ORDERS FOR SHELF-BOXES.

J. S. Bennett, 15 Marion street, Toronto, is the manufacturer of Bennett's patent shelf-box and nests of drawers and cabinets fitted with same. He also makes the Klondike sample-holder. These may be had in any size. He has recently received orders for his well-known shelf-boxes from the following: Two from Nelson Mitchell & Co., Granby, Que.; one from W. S. Piper & Son, Fort William, Ont.; two from The Laurentide Pulp Co., Grand Mere, Que.; one from W. Emery, Toronto; one from W. Gurd & Co., London; one from J. & T. N. Piper, Fort William; one from Bryson, Graham & Co., Ottawa; one from G. Sylvester, Elkhorn, Man.; one from G. W. Wallace, Toronto, Ont.; one from J. W. Peacock, Toronto, Ont.; one from N. A. Grandbois, St. Casimir, Que., and one from A. Fisher, Lindsay, Ont.

Thibault & Fils, general merchants, Walker's Cutting, Que., have registered.

Otto Schultz, general merchant, Altona, Man., has sold out to W. and J. Coblentz.

WIRE NAILS
TACKS
WIRE

Prompt Shipment.

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

MANIFEST OF THE FIRST DIRECT STEAMER.

THE following is the manifest of the first direct steamer in the St. John, N.B., and Jamaica service :

EXPORTS.

Per steamer Ask, for Kingston, Jamaica, by Canada Jamaica S.S. Co., 100 bbls. flour, 200 bbls. cornmeal, 20,000 shingles, 20 tons hay, 100 tons ice, 100 bags oats, 20 bags bran, 20 bags middlings, 20 bags shorts, 3,813 ft. pine boards, 150 bbls. flour; T. Collins & Co., 100 bbls. potatoes; Dearborn & Co., 1 box herring ; Lake of the Woods Milling Co., 1 bbl. flour; Canada Jamaica S.S. Co., 50 boxes peas, 25 boxes salmon ; Maritime Casket and W. M. Co., 5 packages coffins and caskets ; McCavour & Co., 20 bbls. potatoes, 300 boxes smoked herring, 5 bbls. pickled herring ; McClary Manufacturing Co., 1 box stamped ware ; Jas. Patterson, 200 cases smoked herring, 10 bbls. herrings ; John Sealy, 300 boxes smoked herring, 30 bbls pickled alewives, 2 cases canned fish, 2 ½-boxes cheese, 3 bbls. and 3 ½-bbls. pickled salmon, 65 bbls. pickled alewives; Welcome Soap Co., 1 box soap samples ; F. E. Williams Co., 520 boxes smoked fish, 38 boxes bloaters, 10 bbls. potatoes, 2 bbls. pork, ½-bbl. salt beef tongues.

For Montego Bay, Jamaica—T. Collins & Co., 5 bbls. potatoes ; McCavour & Co., 100 bbls. potatoes, 200 boxes smoked herring ; John Sealy, 10 bbls. pickled alewives, 150 boxes smoked herring, 1 bbl., ½-bbl. pickled salmon, 3 ½-bbls. pickled herring, 2 ½-boxes cheese, 2 cases canned fish, 1 case butter ; F. E. Williams Co., 1 box butter, 1 box cheese, 100 boxes smoked fish, 10 boxes bloaters, 1 box smoked meats, 4 bbls. pork.

Black River, Jamaica—McCavour & Co., 10 bbls. potatoes, 200 boxes smoked fish ; John Sealy, 10 bbls. pickled alewives, 10 boxes smoked herring, 2 ½-boxes cheese, 2 cases canned fish, 1 bbl., 1 ½-bbl. pickled salmon, 3 bbls pickled herring, 1 box butter.

Savanna-la-Mar—John Sealy, 100 boxes smoked herring, 10 bbls. pickled alewives, 1 bbl., 1 ½-bbl. pickled salmon, 3 bbls. pickled herring, 2 ½-boxes cheese, 2 cases canned fish, 1 box butter.

Lucia, Jamacia—John Sealy, 10 bbls. pickled alewives, 100 boxes smoked herring, 2 ½-boxes cheese, 2 cases canned fish, 1 bbl., 1 ½-bbl. pickled salmon, 3 bbls. pickled herring.

Frederick Magee, wholesale and retail general merchant, Port Elgin, N.B., has closed the retail branch and will only continue the wholesale business.

Out For Business.

If you're out for business, if you want to get all you can and hold it after you get it, don't waste your energy in pushing poor paint.

It's harder work to sell poor paint than good paint—because you have to keep after new customers all the time. No man who once gets fooled by poor paint wants it again.

THE SHERWIN-WILLIAMS PAINT

is good paint. It makes a constant customer out of every man who tries it. It does its own advertising. Every sale brings another. When you build up a good trade you are sure to keep it.

S.-W.P. is made right—to sell right, and wear right.



THE SHERWIN-WILLIAMS CO.

PAINT AND VARNISH MAKERS.

CHICAGO, NEW YORK, NEWARK, MONTREAL, CLEVELAND, BOSTON, TORONTO, SAN FRANCISCO. KANSAS CITY.



THE FILE WORKS AT PORT HOPE.

Mr. Walter Grose, of Montreal, was in Toronto on Thursday. He was on his way west in the interest of the different concerns he represents. On his way to Toronto he spent a short time at the Dominion works of The Nicholson File Co., at Port Hope. These works have recently undergone extensive improvements. Two new buildings have been erected and large additions made to the machinery. The number of workmen employed is now about 120 and yet it is found necessary to run the works overtime. With increased facilities the company is now in position to supply the different brands which they control. The Nicholson File Co. have works at Providence, R. I. ; Pawtucket, R. I. ; Beaver Falls, Penn. ; Paterson, N.J. and Port Hope, Ont.

A GOOD OPENING FOR A TRAVELLER.

In another part of this issue will be found a condensed advertisement which should prove of particular interest to a traveller having a good connection with the Western hardware trade, namely, the one applying for a traveller for Montreal wholesale hardware firm for Manitoba and Northwest. HARDWARE AND METAL is well acquainted with the house seeking this representative, and without hesitation commends the opening to any man with the essential qualification. The firm in question is one of long established standing and carry a large and extensive range of all classes of shelf, and heavy hardware, etc. The advertiser assured us that a good remuneration will not stand in the way if the right man can be secured.

NEW RETAIL FIRM IN OWEN SOUND.

H. R. Manders & Co. is the style of a new retail firm that is opening up in business in Owen Sound. The firm, in addition to carrying a regular stock of hardware and stoves, will conduct a plumbing and tinsmithing business as well. Mr. H. R. Manders, the senior member of the firm, has been in Winnipeg during the past five years. Prior to that, he was with Butcher Bros., Owen Sound, so that he is no stranger to the part of the country in which he is now opening up business.

CHATHAM BINDER TWINE CO.

At the annual meeting of The Chatham Binder Twine Co., Limited, on February 13, the following were elected directors for 1902 : Messrs. J. J. Ross, A. Leverton, J. Holden, M. J. Wilson, J. B. Cousineau, L. Howard and J. A. Coulter.

BLAST FURNACE CAPACITY IN THE UNITED STATES.

The following comparative figures from Iron Age give the weekly capacity of the furnaces in blast on February 1, in the United States :

	Total capacity per week. Gross tons.	Coke capacity per week.	Charcoal capacity per week.
February 1, 1902	340,612	334,007	6,605
January 1	298,460	291,992	6,468
December 1, 1901	324,761	317,358	7,403
November 1	320,824	313,775	7,049
October 1	307,982	300,538	7,444
September 1	299,861	293,256	6,605
August 1	303,847	297,269	6,578
July 1	310,950	303,973	7,157
June 1	314,505	306,991	7,514
May 1	301,125	293,915	7,210
April 1	296,676	288,766	7,910
March 1	292,899	284,825	8,074
February 1	278,258	269,923	8,335

FURNACE STOCKS.

The position of furnace stocks, sold and unsold, was as below on February 1, as compared with the five preceding months, the same furnaces being represented as in former months. This does not include the holdings of the steel works producing their own iron :

	Sept. 1.	Dec. 1.	Jan. 1.	Feb. 1.
Anthracite and coke	318,069	181,021	179,993	121,762
Charcoal	62,005	42,441	38,091	32,438
Total	380,074	223,462	218,084	154,200

The production of pig iron of all kinds in January reached a total of over 1,450,000 gross tons, and yet, in spite of this fact, the stocks in the hands of merchant furnaces declined over 58,000 tons. This is an extraordinary record.

BRANCH BUSINESS AT VANCOUVER.

The Gurney-Tilden Co., of Hamilton, are opening a western branch in British Columbia. This firm, which is an old-established house largely engaged in the manufacture of stoves, furnaces, scales, etc., has previously been represented by its travellers, but it feels that by establishing a supply house it will greatly extend its trade. J. H. Tilden, who is one of the heads of the firm, has secured suitable premises in Vancouver.

Mr. Tilden is accompanied by C. A. Godfrey, who will be placed in charge. Mr. Godfrey has been with the firm a number of years, besides having several years' experience on the Coast, being with A. Godfrey & Co., hardware merchants, Vancouver.

Besides carrying a full line of their stoves and ranges, a large stock of builders' hardware will also be kept on hand by this company, who also will build up a trade in locks, hinges, etc.

Frederick Hamilton, general merchant, Port Credit, Ont., was united in wedlock one day last week to Miss Andrews, of Milton, Ont.

THE IVER JOHNSON

TRUSS FRAME.

Has a mechanical and commercial value not possessed by other bicycles.

The trade appreciates and recognizes the fact.

It responds to a long-felt demand for something new in cycle construction; it has the advantage of racing weight, with roadster strength; a rigid crank hanger—greater speed; no buckling of frame.

Made of one-inch Tubing.

Agents wanted in unoccupied territory. Send for catalog just issued.



(FRAME PATENTED.)

IVER JOHNSON'S ARMS & CYCLE WORKS,

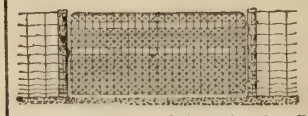
New York Salesroom— 99 Chambers Street.

FITCHBURG, MASS., U.S.A.

Zanzibar Paints

We do not say "there are no other good paints"; we do not have to sell our paints in that way, but we do say **ZANZIBAR PAINTS** in point of service and appearance are unequalled. Do you carry them in stock? You should. Write for our "Terse Talks."

THE ZANZIBAR PAINT CO., Limited - - Toronto, Can.



PAGE METAL GATES are so low in price no one can afford to use wooden ones. Light, and yet strong enough to support a heavy man on the end while he swings around the circle without causing them to sag. They are neat in appearance, will last a lifetime. Will not sag nor get rickety. They are supplied with latches which allow them to be opened either way and are self acting. The only good metal gate that is low enough in price for General farm purposes. We also make Farm and Ornamental Fence, Poultry Netting, Nails and Staples. **The Page Wire Fence Co., Limited, Walkerville, Ont.**

STANYON ENGINEERING CO.

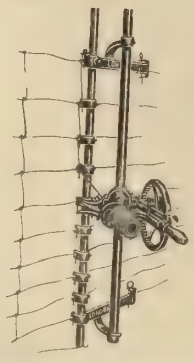
402 McKINNON BUILDING,

Phone Main 2177. TORONTO

CONTRACTING AND CONSULTING ENGINEERS.

Steel Works, all kinds of Rolling Mills, Wire Mills, etc., all built complete. Machinery designed for any purpose.

GENERAL OFFICES, - - PITTSBURG, Pa.



Now is the time to secure the agency for the

LONDON FENCE MACHINES

We have a number of dealers who are making the LONDON their leader for the Spring. Nothing wins the farmers' favor like the LONDON. If you push it, it will make you money and draw custom. It's a hustler and a dandy. Get our Spring Catalogue and this year's prices.

THE LONDON FENCE MACHINE CO., Limited.

LONDON, CANADA.

Business and Its Management.

The Motive Power.

HOW few people with businesses of their own, especially if they are of the old-fashioned sort, realize how much a business depends upon its proprietor for its motive power, says Grocery, London. We not infrequently see two businesses in the same growing neighborhood, possessed apparently of equal advantages and conducted on right lines, which show very different results in the course of a few years. If you ask the more prosperous man of the two why he has succeeded so much better than the other, he probably would not be able to tell you the true reason; whilst his rival would probably put down his own comparative lack of success to the bad state of trade, the changing conditions of the times, or to some other factor which must have affected the two shops to an equal extent. The true reason of the difference is that in one case the head of the establishment is possessed of a large stock of personal energy, which he puts into his business; whilst the other is dreamy and easy-going, and, whilst no one would say that he did not attend to his business affairs, yet he takes things easy, and does not put his whole energy into the work. An outsider visiting the two shops would see a marked difference at once. In one there is a smartness and alertness on the part of the assistants, with no slip-shod ways. Everything in the shop is in apple-pie order and every assistant knows exactly where to put his hand on the goods he requires. The window-dressing is changed at frequent intervals, new goods and seasonable lines are pushed well to the front, and the influence of the head of the concern makes itself felt in every corner of the establishment. Moreover, he does not rule merely by precept, but by example. He gets to business sharp to time in the morning, so that his assistants would feel ashamed if they were not there too. They feel that their employer has all the details of the business at his fingers' ends and could do the work of any man in the place from the manager or first hand down to the errand boy, as well or better than the person in question, and they respect their employer accordingly. Another thing is that although their employer is not soft-hearted, he is eminently just and they know it. A man who is incapable or who shirks his work will not be wanted, whilst another who puts his heart into his work will be wanted badly, and will have his position improved. About accounts again, these will be kept thoroughly up-to-date and no laxness will creep in here, more than in any other part of the business. Long credits will be unknown, and the amount of dead capital in the business will be very small. Consequently the proprietor will be able to buy on the most advantageous terms, and to get his full discounts for everything. On the other hand, the less successful trader will, quite possibly, be a man of far greater capacity and brain-power than his rival, and capable of rising to any position he might aspire to, if, and this is a large "if," he only had the driving energy and force of character. But he has not got it. And his assistants, although they are all thoroughly honest and mean well, copy the slack ways of their employer. He gets to business late, and so do they; he does not worry about details, more do they; he is untidy, so are they. When any disputed point is raised he gives way to save trouble, so do they. He is lax about money matters himself, and consequently feels ashamed to press his customers for money, and they say to themselves, "Oh, he is a comfortable, easy-going man, he won't press us; let him wait," and he does wait. Consequently he always buys at a disadvantage, and is seldom able to secure cash discounts. Moreover, for want of ready money, he frequently misses bargains that are going, which his rival snaps up.

Taking it only from an advertising point of view, look what a different effect the two establishments must produce upon the public! The windows of one are always more attractive and seasonable than the other to start with; one establishment has always an air of smartness about it which the other lacks, and when the customer gets inside, how differently he is treated! He is served smartly, his wants are anticipated, the assistant puts his hand in a moment upon the goods required, instead of having to hunt for them or to ask whether they are in stock, and the waste of the customer's time is reduced to a minimum. It is a pleasure to a customer to deal at such a "live" establishment. At the shop of retailer No. 2, although the customer may receive equal civility, and the goods may be of equal quality, yet everyone seems half asleep, and the customer cannot help noticing it, and carrying away with him a very bad impression. The accumulation of such impressions, combined with an occasional visit to the shop of retailer No. 1, will result in the customer transferring his orders from one shop to another. If the proprietors of the two shops were to change places, taking their methods with them, in a very short time we should see the stream of success turned in favor of the previously backward business. The motive power of the proprietor's energy would be driving it ahead.

NEW TRAIL TO HORSEFLY COUNTRY

AT a meeting of the Inland Board of Trade, Kamloops, B. C., held recently, the report of the committee that had been appointed to report on the proposed route to the Horsefly Country and to frame a resolution and send it to the Local Government was received. President N. J. Hopkins was chairman.

The report states that the Inland Board of Trade, in view of recent discoveries, took upon themselves the duty of examining into the route, and report the results of their investigations. They explain how much shorter and more profitable it is to prospectors to reach the unexplored gold fields from Kamloops via North Thompson river, and thence up the Clearwater river, than from any other given point from railway communication. All that now is necessary is the blazing of a trail up the Clearwater river leading into the heart of the country, where the greatest prospecting activity is likely to be. This route would be some 45 miles in length.

The report states the disadvantages of several other routes, and ends up by giving a minute description of the trail recommended. This would open up a vast section of mineral and agricultural lands lying between the North Thompson and the Clearwater, including great and promising sections of territory lying east of the Mahood lake and river.

The resolution strongly urged the British Columbian Government to make a special appropriation of $2,500, which is the amount considered sufficient for the cutting of a trail from the mouth of the Clearwater River to the newly-discovered deposits.

Mayor Gordon, J. Gill and J. Vair were appointed delegates to interview the Government at Victoria and support the requirements.

MR. FULLER MARRIED.

At St. Paul's Church, Montreal, on Wednesday, February 19, Mr. Henry J. Fuller, manager of The Fairbank Company, was married to Miss Nancy Archibald, daughter of the Hon. Mr. Justice Archibald, the Rev. James Barclay, D.D., performing the ceremony. After the wedding, which was a very pretty one, a reception was held at the residence of the bride's parents on Mackay street.

Mr. and Mrs. Fuller left in the evening for an extended tour through the Southern States and California.

THE SOCIAL SIDE OF BUSINESS LIFE.

A. F. BRADY.

IT is my endeavor to present to you a few thoughts on "The Social Side of Business Life" as I have found them during my career as a clerk and business man, with the idea of calling your attention to a very important factor in business, and I trust that during the course of my remarks you may at least find a thought to place on the credit side of your profit and loss account when you return home.

As you glance back over the years in your business life you will find two very important factors that have helped to make your business career a success. One is hard work, coupled with judgment, and the other is social work, a recreation in a measure, but a necessary factor in your business life.

Your first instructions upon taking a position behind a counter were to keep yourself neat and clean and be polite and pleasant to customers. This is the first phase of the social part of business, and a very essential one for encouraging trade.

The next step is to meet socially people during business hours, and also outside of business hours, who may become customers at some time or another, and this calls you to take an active interest in the "social world," as we may term it, to know people and to become known.

You must learn to meet people easily, study their habits, understand human nature and be able to rely on your own judgment as to their responsibility, or suffer by experience with them.

KEEPING IN TOUCH WITH PEOPLE.

Progressive business men must keep in touch with the times that are ever changing, and to do so they must keep in touch with the people. In order to do this they must take an active part in the various affairs that affect the social and moral welfare of the city or town in which they are doing business, and identify themselves in every way possible with its common interest.

They are at their place of business from early morn until late at night, and in order to attend to the social calls and other outside duties, they must take the time from their business, or else they are obliged to neglect them entirely. Both conditions are unsatisfactory and there should be a remedy. We must have time for business and we must have time for the social side.

CHANGE OF EMPLOYMENT AND RECREATION.

Our minds and bodies are so constituted that each must have change of employment —recreation—new thoughts.

You may be able to move along and bear the great strain of work, work, work, while youth and strength are yours, but you are not building either a strong body or a strong mind for the latter years of your life, and for the time when the accumulated business interests demand a clear and ready mind to direct, at least, those who may be performing the labor for us.

In speaking to the assembly here at the present time let me say to you that we must educate ourselves in other lines than hardware if we wish to make a successful business career for ourselves. We must free ourselves from the chains of business cares and give a portion of our time to the social and intellectual department of business. Our social calls are imperative and demand a portion of our time and attention ; and not only that, we must take recreation and pleasure as we go along in life.

EARLY CLOSING.

Now, as a solution to this problem, let me suggest, if you are not already in line, that you join in promoting an early-closing movement, and I want every person within range of my voice to give the matter serious thought, not only here, but at home and at your place of business.

If possible get the merchants to close at 6 o'clock, and if not that early agitate the question and get them to close as early as possible, as it then gives you time for your social duties without interfering with your business, and vice versa.

We have had a trial of closing at 6 o'clock for a little over a month in the furniture, hardware and grocery stores in our city of about 7,000 inhabitants, and have found that it has proven satisfactory, as it has in a great many other cities throughout the State. At the first of the year we were successful in getting other lines of business to agree to closing their stores at the same time.

We find that it gives us time to read the daily papers and trade journals and keep abreast of the times, and to become acquainted with the market and the conditions that affect it. We find time to meet our friends socially and get acquainted with our competitors.

A married man can become acquainted with his family, and we can all find time to attend to the various duties that in the past we have attended to by stealing time from our business.

You will find some complaint on the part of a few customers on early closing, because we cannot all see things in the same light at the same time, but the customers, as a rule, will see the justice of the situation and conform with the new custom without a protest.

The time is not far distant when you will see the 6 o'clock closing movement general throughout the State, as it is a practical solution of the condition governing the social and working hours of business and is a step toward the advancement of a progressive age.

THE ROBB ENGINEERING CO.

AT a meeting recently of the directors of The Robb Engineering Co., engine boilermakers and machinists, Amherst, N.S., it was decided to issue a balance of $70,000 of debentures and $30,000 of stock held in the treasury. The bonds are 20 years' mortgage debentures bearing interest at 6 per cent. dividend. This completes the issue of capital.

During the past year the company's sales have increased considerably, and six months' of orders are now on hand for the year 1902. A further increase in the capacity of the plant is necessitated, although the various departments have already been enlarged and new ones erected.

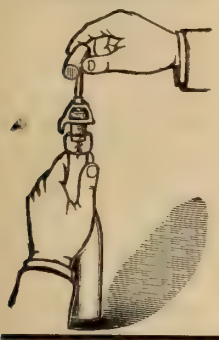
John F. Stairs, president of the Nova Scotia Steel and Coal Co., and Mr. Grant, director of the Nova Scotia Building Society, were appointed to the directorate.

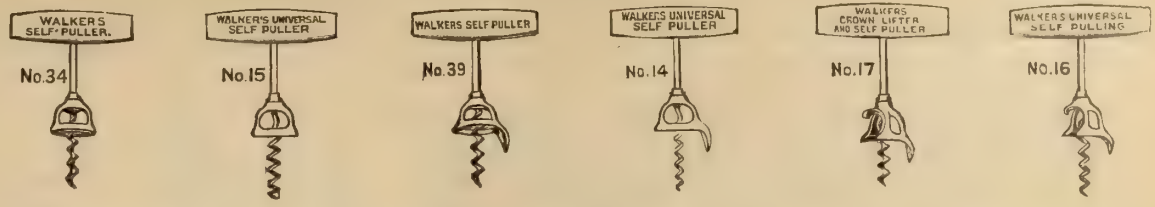
The company was formed in 1900 to take over the existing business of The Robb Engineering Co. The capitalization is $350,000, consisting of $200,000 of 6 per cent. debentures and $150,000 of stock. At that time $50,000 of debentures and $75,000 of stock was issued. In 1901 the proposed increase was carried along, and an additional $50,000 of debentures and $40,000 of stock was issued, and was almost entirely taken up by the shareholders and bondholders.

THE SOO CANAL 50 YEARS AGO.

The following is from The Toronto Globe of February 14, 1852 : "We observe that the Americans begin to move seriously in the work of building a canal at Sault Ste. Marie, and unless the enterprise is immediately undertaken on this side there seems every likelihood that they will proceed with it during the coming season. The work can be done infinitely better and cheaper on the Canadian side—and no one who looks at the rapidly-increasing traffic of Lake Superior can doubt that it is the duty of our Government to take it up at once as a national undertaking and complete it with the utmost despatch. The highest estimated cost is but £70,000."

See! You Don't Have to Pull. A Child Can Do It.



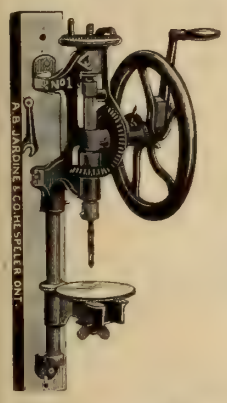


Walker's Self-Pulling Cork Screws

Made of Crucible Steel, Nickel Plated, Polished Apple Wood Handles.

EVERY ONE TESTED AND GUARANTEED. Several imitations on the market, but none as good

Mfrd. only by ERIE SPECIALTY CO., Erie, Pa., U.S.A.



TRADE MARK J REGISTERED

Blacksmiths' Hand Drills.

The very best.

A. B. JARDINE & CO.
HESPELER, ONT.

THE LONDON SCALE WORKS

GEORGE M. FOX
(Successor to John Fox)

Manufacturer of Railroad, Hay and Platform Scales.

91 York Street, LONDON, ONT.

YOUR DELIVERY will be doubled by using good, bright printing. We do that kind and do it cheap.

1,000 white **Business Envelopes**, any printing, $1. 250 Note Heads, 250 Envelopes and 250 Statements, $2.50.



WEESE & CO., Jobbers,
Snaps in Stationery. **54 Yonge Street, TORONTO.**

The Frost Wire Fence Company, Limited

WELLAND, ONT.

FACTORIES AT CLEVELAND, OHIO, AND WELLAND, ONT.

MAKERS OF **Frost Fencing, Frost Steel Gates, and Coiled Spring Wire.**

CLOSEST PRICES QUOTED ON APPLICATION.

GIBSON ARNOLDI & CO.

BARRISTERS, SOLICITORS, NOTARIES PUBLIC, Etc.

9 Toronto St., Toronto.

CAPITAL FURNISHED TO AID INDUSTRIAL CONCERNS.

Representatives in London, Liverpool, Manchester, Glasgow, Edinburgh, Chicago, and New York, and Paris, France.

GENERAL COMMERCIAL SOLICITORS.

DEALERS

Do you sell the "GLORIA" Light?

WHY NOT?

Our goods are the best—our prices are the lowest. Our "United Gloria" Triple Weave Mantle is the strongest and most brilliant mantle in the market. We manufacture it and know when we sell it it will bring repeat orders. We manufacture "United" Single Weave and Gasoline Mantles and carry a large stock of Burners, Chimneys, Bulb Globes, Fancy Etched and Ruby Globes.

SEND FOR PRICE LIST.

THE UNITED INCANDESCENT LIGHT CO.

Phone Main 969. 7 Yonge St. Arcade, Toronto.

BRUSHES, BROOMS, WOODENWARE, ETC.

Our Representatives

are now on the road with full lines of samples and revised prices, and will soon be with you. It will be to your advantage to await their arrival, as they have with them the best values on the market in our lines.

UNITED FACTORIES, Limited

Head Office, TORONTO.

OPERATING
Boeckh's Toronto Factories,
Bryan's London Factories,
Cane's Newmarket Factories.

MANITOBA MARKETS.

WINNIPEG, February 17, 1902.

THE market is quiet and steady, with few changes to report. Building papers have all dropped 5c. Sisal ropes have been advanced ½c. per lb. on all sizes. All wholesale houses have had many customers in this week, who have taken advantage of the bonspiel rates, and a good deal of buying in a quiet way has resulted, and there has also been business got under way that will develop later. There are plenty of signs that spring is not far off in the lines of goods being got ready for shipment. All the implement houses have been crowded this week with country dealers looking over stocks and talking new contracts for the coming season, which bids fair to be a good one in the implement line.

Price list for the week is as follows:

Barbed wire, 100 lb	$3 30
Plain twist	3 40
Staples	3 95
Oiled annealed wire, 10	3 85
" 11	3 90
" 12	3 95
" 13	4 10
" 14	4 25
" 15	4 35
Wire nails, 30 to 60 dy, keg	3 25
" 16 and 20	3 35
" 10	3 35
" 8	3 45
" 6	3 50
" 4	3 65
" 3	3 90
Cut nails, 30 to 60 dy.	3 05
" 20 to 40	3 10
" 10 to 16	3 15
" 8	3 20
" 6	3 25
" 4	3 35
" 3	3 70
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to No 1	4 65
No. 2 and larger	4 40
Snow shoes, No. 0 to No. 1	4 90
No. 2 and larger	4 40
Steel, No. 0 to No. 1	4 95
No. 2 and larger	4 70
Bar iron, $2.70 basis.	
Swedish iron, $5.00 basis.	
Sleigh shoe steel	3 25
Spring steel	3 25
Machinery steel	3 75
Tool steel, Black Diamond, 100 lb	8 50
Jessop	13 00
Sheet iron, black, 10 to 20 gauge, 100 lb.	3 50
20 to 26 gauge	3 75
28 gauge	4 00
Galvanized American, 16 gauge	2 79
18 to 22 gauge	4 75
24 gauge	5 00
26 gauge	5 25
28 gauge	5 50
Genuine Russian, lb	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 75
26 gauge	8 00
28 gauge	8 50
Tinplate, IC charcoal, 20 x 28, box	11 00
" IX "	13 00
" IXX "	15 00
Ingot tin	33
Canada plate, 18 x 21 and 18 x 24	3 75
Sheet zinc, cask lots, 100 lb	7 00
Broken lots	7 50
Pig lead, 100 lb	6 00
Wrought pipe, black up to 2 inch	50 an 10 p.c.
" Over 2 inch	50 p.c.
Rope, sisal, 7-16 and larger	$13 50
" ⅜	14 00
" ¼ and 5-16	14 25
Manila, 7-16 and larger	16 50
" ⅜	17 00
" ¼ and 5-16	17 50
Solder	20
Cotton Rope, all sizes, lb	17
Axes, chopping	$ 7 50 to 12 00
" double bitts	12 00 to 18 00
Screws, flat head, iron, bright	87½
Round " "	82½
Flat " brass	80
Round " "	75
Coach	57½ p.c.
Bolts, carriage	50 p.c.
Machine	50 p.c.
Tire	60 p.c.
Sleigh shoe	65 p.c.
Plough	40 p.c.
Rivets, iron	50 p.c.
Copper, No. 8	26
" No. 12	30
Bluestone, cask lots	$5 50
Spades and shovels	40 p.c.
Harvest tools	70 p.c.
Axe handles, turned, s. g. hickory, doz.	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 75
No. 1	1 25
Files common	70, and 10 p.c.
Diamond	60
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	30 p.c.
" military	15 p.c.
American R.F.	30 p.c.
C.F. pistol	5 p.c.
C.F. military	10 p.c. advance.
Loaded shells:	
Eley's soft, 12 gauge black	16 50
chilled, 12 gauge	18 00
soft, 10 gauge	21 00
chilled, 10 gauge	23 00
Shot, Ordinary, per 100 lb	6 25
Chilled	6 75
Powder, F.F., keg	4 75
F.F.G.	5 00
Tinware, pressed, retinned	75 and 2½ p.c.
" " plain	70 and 15 p.c.
Graniteware, according to quality	50 p.c.
PETROLEUM.	
Water white American	25½ c.
Prime white American	24c.
Water white Canadian	22c.
Prime white Canadian	21½ c.
PAINTS, OILS AND GLASS.	
Turpentine, pure, in barrels	$ 73
Less than barrel lots	70
Linseed oil, raw	82
Boiled	85
Lubricating oils, Eldorado castor	27½
Eldorado engine	26½
Atlantic red	29½
Renown engine	41
Black oil	19½
Cylinder oil (according to grade)	55 to 74
Harness oil	65
Neatsfoot oil	$ 1 00
Steam refined oil	85
Sperm oil	2 00
Castor oil, per lb.	11½
Glass, single glass, first break, 16 to 25 united inches	2 50
26 to 40, per 50 ft.	2 75
41 to 50, " 100 ft.	6 00
51 to 60, " " "	6 50
61 to 70, per 100-ft. boxes	7 00
Putty, in bladders, barrel lots, per lb.	2½
kegs "	2¾
White lead, pure, per cwt.	6 50
No. 1 "	6 00
Prepared paints, pure liquid colors, according to shade and color, per gal.	$1.30 to $1.90

NOTES.

Mr. Rae, hardware merchant, Medicine Hat, has been a visitor to the city. He reports the past year's business in his line very good in that town, and prospects are bright for the coming season.

Francis-Frost Co., makers of the "Ark" brand of paints, have decided to open a branch in Winnipeg, and are now looking out suitable premises.

Mr. McAndrews, of the Buffalo Pitts Threshing Machine Co., is getting his new office in shape and appointing agents throughout Manitoba and the West. He has had many callers this week.

"The Climax" is the name of the new cultivator now being offered on this market by the Frost & Wood Co. Those who tried these cultivators last year pronounce them satisfactory.

Mr. Case, of the Thomas Manufacturing Co., is in the city getting ready for spring business in rakes and mowers. M. O. Connor, of this company, also visited the city and attended the implement convention.

TRADE WITH ENGLAND

Every Canadian who wishes to trade successfully with the Old Country should read

"Commercial Intelligence"

(The address is 168 Fleet St., London, England.)

The cost is only 4 cents per week, including postage. (Annual subscription, $2.11.)

Moreover, regular subscribers are allowed to advertise without charge in the paper. See the rules.

TOOLS

We make tools required by

Stone Workers, Cement Workers, Paving, Building, Sewer and Railroad Contractors.

Likewise Special Wrought Iron or Steel Work to drawings. Estimates promptly furnished for any quantity. You ought to know our advantages. Correspondence solicited.

W. H. ANDERSON & SONS,

Factory and Main Office— DETROIT, MICH.

Canadian Branch, with Eureka Plaster Co., WINDSOR, ONT.

To Oven Builders,

Etc.

The Canadian Patent Rights of **Prym's Patent Oven** (patented in thirteen countries), which has the unique benefit of being evenly heated on all six sides at the same time, are offered for sale, and can be obtained by applying to

J. CULBERT,

4 Monkwell St. LONDON, E.C., ENG.

LOOKING FOR MAPLE LEAVES.

It seems early to talk about looking for leaves, but this is what Hardware and Stove dealers are doing all the year round when buying stove brick. They are looking for the "Maple Leaf" brand on our goods, and they will have no other make. Over 200 varieties to choose from. Write for catalogue.

JONES BROS., Bracondale, P.O., Ont.

Lace Leather

Send direct to us for the celebrated "NIAGARA" Brand Lace Leather, best produced in this country. Yellow and White in Sides or Cut Strings. Prices and Samples on application.

WOOD BROS.

Tanners of High-Class Leathers,

ST. CATHARINES, ONT.

HOSE

WE have the nicest set of Hose samples ever shown to the Canadian trade. Don't fail to see them.

GARDEN
STEAM
SUCTION
ETC.

Send for samples and quotations.

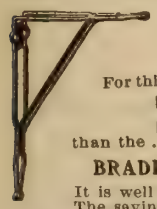
WE make Hose of all kinds for all purposes. Our equipment is the most modern and our goods are perfection.

MANUFACTURED BY

THE DURHAM RUBBER CO., LIMITED

Bowmanville, Ont.

Persons addressing advertisers will kindly mention having seen their advertisement in The Canadian Hardware and Metal Merchant.



Will Hold Up a Shelf!

That's what a shelf bracket is for.

For this purpose there can be

NOTHING BETTER
NOTHING CHEAPER

than the....

BRADLEY STEEL SHELF BRACKET

It is well **Japanned, Strong** and **Light.** The saving in freight is a good profit, aside from the **lower price** at which the goods are sold.

☞ Order direct or through your jobber.

ATLAS MFG. CO., New Haven, Conn., U.S.A.



The Grey and Bruce Portland Cement Company of Shallow Lake, Limited,

Manufacturers of

"HERCULES" BRAND OF

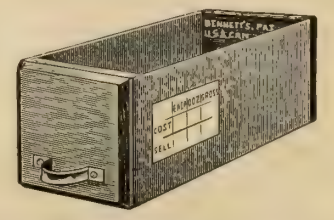
Portland Cement

Unsurpassed for Sidewalks, Floors, and all work requiring the Highest Grade of Portland Cement.

HEAD OFFICE: OWEN SOUND.

After Stocktaking

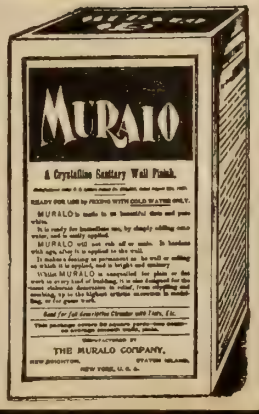
in the quiet time is the opportunity to equip with



Bennett's Patent Shelf Box

Write for our new discount sheets containing lower prices and 7 varieties in Shelf Boxes.

J. S. BENNETT, Patentee and Manufacturer,
15 MARION ST., **TORONTO**



MONEY IN GOOD WALL FINISH.

There are lots of good money-makers in the world if we only knew them. **MURALO** is a money-maker, because it is the best **COLD WATER** Wall Finish in the world, the best advertised, the nicest colors, easier to work and healthier than any other. There is a great demand for a good Wall Finish—**MURALO** supplies it.

Agents:

A. RAMSAY & SON, - - - **MONTREAL**
J. H. ASHDOWN, - - - **WINNIPEG**
McLENNAN, McFEELY & CO., - **VANCOUVER**

ANNUAL MEETINGS OF BOARDS OF TRADE.

THE BRANTFORD BOARD.

THE annual meeting of the Branford Board of Trade on February 12 was well attended. The reports of the president and secretary-treasurer were read and the officers elected for the year 1902.

Mr. Lloyd Harris, the president, commenced his address by alluding to the death of the Queen, and of Mr. Ignatius Cockshutt, the oldest member of the board. Several members also had either removed or resigned, but, nevertheless, by the addition of several new members, there were now 244 on the roll, a substantial increase for the year.

During the year just closed the Bain Wagon Co. had erected new buildings, the Canada Farmers' Cordage Co. had commenced operations and The Bailey Cutlery Co. had acquired new premises and were preparing to increase their output.

The increase in the number of employes was also satisfactory. In 1900 there were 3,896 workmen employed in Brantford, and this number had increased to 4,038 in 1901, an addition of 148, while, at the same time, there was an increase of $54 419 in the amount of wages paid, the respective figures being $1,328,017 for 1900, and $1,377,436 for 1901.

The control of the city parks had been taken over by the parks commission, a body which the Board of Trade had assisted to bring into being. A further responsibility had been added to these commissioners by the gift of the Agricultural Park to the city by the family of the late Ignatius Cockshutt.

The trading-stamp system has also been done away with by the cooperation of the leading retail merchants of the city.

A special committee of the city council had been appointed to cooperate with a special committee of the Board of Trade, and had conferred with the Grand Trunk Railway authorities to obtain the G. T. R. through line via Brantford, besides discussing other matters between that railway and Brantford city. Everything seems to indicate that the G.T.R. will now put its line through Brantford on a reasonable basis.

The treasurer's report showed a balance on hand of $393.29 for the past year, the total receipts being $623.88 and the expenditures $250.59. The total surplus now on hand amounts to nearly $900, and it was recommended that steps should be taken to provide a new home with this money.

The following were elected by acclamation :

President—Mr. Lloyd Harris.
Vice-President—Mr. John Mann.
Secretary—Mr. Hately.

The following nominations were made for the council and committees. The election will take place next meeting :

Council—J. Ruddy, F. Leeming, T. H, Whitehead, J. Sanderson, J. Muir, C. H. Waterous, J. F. Schultz, D. J. Waterous, C. Cook, H. Yeigh, E. L. Goold, C. Grobb, A. K. Bunnell, J. S. Hamilton, H. Cockshutt, C. Duncan, W. F. Cockshutt.

Transportation—W. G. Elliott, C. F. Hodges, F. Grobb, D. B. Wood, G. C. Schultz, C. H. Waterous, J. Muir, T. Elliott, M. E. Harris, P. Buck, J. M. Shuttleworth, A. J. Olive.

Arbitration—R. W. Robertson, E. M. Shadbolt, J. Hale, J. Stanley, A. J. Wilkes, R. Butt, R. S. Schell, T. White, R. M. Fullerton, S. G. Read, W. F. Shannon, J. Nicholl, M. E. Harris, W. F. Patterson, James Sutherland, W. R. Sutherland, W. B. Wood.

City Improvement—Last year's board reelected.

Representative to Southern Fair Board—W. D. Schultz.

Messrs. Bunnell, Yeigh and Duncan were appointed to nominate the retail merchants' committee.

The meeting then adjourned.

THE QU'APPELLE BOARD.

At Qu'Appelle, N.W.T., the Board of Trade has been reorganized. At a recent meeting, the following officers were elected :

President—J. P. Beauchamp.
1st Vice-President—J. P. Creamer.
2nd Vice President—S. H. Caswell.
Secretary-Treasurer—J. C. Starr.

The board is at present making an effort to secure a chartered bank branch for the town.

HAMILTON RETAILERS ORGANIZE.

THE Hamilton retail merchants held a large and representative gathering in the Hamilton Board of Trade rooms, on the evening of February 13, and perfected the work already begun of organizing the Hamilton branch of The Retail Merchants' Association of Canada. Joseph Kirkpatrick was chairman, and about 175 were present.

Speeches were made by E. M. Trowern, Toronto, general secretary of the Association; G. J. St. Leger, 2nd vice-president of the Toronto branch, and G. Shoebotham, vice-president of the London branch. Valuable advice was given in the work of organization and the working of the constitution was explained.

J. O. Carpenter reported for the committee that had been formed to arrange for the organizing work. They had found that everyone was in favor of such an organization.

The following officers were elected :

President—Adam Ballantyne.
1st Vice-President—H. Arland.
2nd Vice-President—R. A. Robertson.
Secretary—G. S. Klein.
Treasurer—John Ronan.

There were 10 sections formed altogether, comprising, amongst other branches, the grocers, butchers, boot and shoe, and hardware merchants. Those various sections were met the following day by Secretary Trowern, and organized on a proper basis.

By prying open a front door with a chisel, thieves entered John Armstrong's general store at Brigden, Ont., and carried off $5 in cash and $150 worth of merchandise, consisting of razors, etc.

"ANCHOR"
DECORATIVE WHITE LEAD.
Made Expressly for Exterior Use.
This White Lead has proved so satisfactory, and commands such ready sale that other makers have copied the name "Decorative." There is only one **"Anchor Decorative White Lead,"** and that is manufactured by
HENDERSON & POTTS
HALIFAX and MONTREAL.
Try it and you will come back for more.

John Bowman

HARDWARE & COAL CO.

LONDON, ONT.

SKATES SKATES SKATES

We have a large stock of SKATES to dispose of and will fill all orders promptly at closest prices.

Cutlery Cutlery Cutlery

Special Lines Special Prices

English and German Table and Pocket Cutlery, Cases, Carvers, Razors, Scissors, Pen and Pocket and Table Cutlery in great variety.

Special Prices.

After Stock-Taking

You will be replenishing your stock, so we wish to keep before your notice, "**Dominion**" Goods, all of which bear the following Trade Mark, which is a guarantee of quality:

SHELF GOODS — DOMINION WIRE MANUFACTG. CO. LTD. DOMINION TRADE MARK — HEAVY GOODS

Wood Screws, Wire Nails, (Papers), Bright Wire Goods, Wire Door Pulls, Steel and Brass Jack Chain, "Crescent" Wire Coat and Hat Hooks.	Wire Nails, Iron and Steel, Brass and Copper, Hay Baling, Pulp Binding, Galvanized, Barbed.	WIRE

Bed, Blind, and Poultry Netting. } **STAPLES** { **Bright and Galvanized Fence.**

BROOM, MATTRESS, BOTTLING, and other wires.

Dominion Wire Manufacturing Co.

MONTREAL Limited TORONTO

LEADERS from COAST TO COAST

ARE OUR

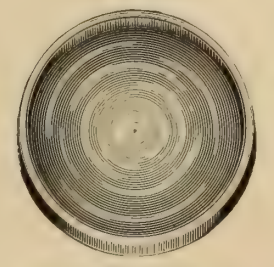
•—MILK PAILS—•



"HERCULES"

Heavy.
Enduring.
Rustless.
Useful
Leaders.
Easy
Sellers.

See how "Hercules" bottom is made.



BOTTOM

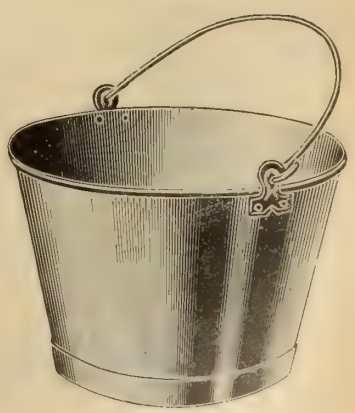


SECTION:
Deep Double Rolled Rim.

Quality
Unsurpassed.

Easily
Emptied.

Never Break.



"QUEEN"

Made of IXX Charcoal Tin, with heavy bails, Malleable Ears, XXXX Retinned Bottoms.
Prices right. Prompt delivery. Order sample dozen.

(**BOTTOMS ALSO SOLD SEPARATE.**)

THE THOS. DAVIDSON MFG. CO., Limited, MONTREAL, P.Q.

ESTABLISHED 1860. INCORPORATED 1895.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

Montreal, February 21, 1902.

HARDWARE.

MANUFACTURERS are very busy this week, and jobbers report a brisk demand in most lines. Most of the retail merchants have completed their stock-taking, and are now freer to order, with the result that shelf goods are in better demand. A new catalogue of Boeckh's brushes has been issued, and the following discounts are quoted: Parts 1, 2, 3, 4, 6 and 7, all 50, 25 and 10 per cent. off list; part 5, 10 per cent. off list; parts 9 and 10, net list.

BARB WIRE.—Trade is active. We quote per 100 lb., f.o.b. Montreal, $3.

GALVANIZED WIRE.—There is a moderate inquiry at unchanged prices. We quote: Nos. 6, 7, and 8 gauge, $3.45; No. 9, $2.80; No. 10, $3.55; No. 11, $3.65; No. 12, $2.95; No. 13, $3.05; No. 14, $4.05; No. 15, $4.55; No. 16, $4.80; No. 17, $5.20; No. 18, $5.45.

SMOOTH STEEL WIRE.—The business this week has been only fair. We quote bright iron and annealed on a base of $2.60 per 100 lb., f.o.b. Montreal, Toronto, Halifax, London, Hamilton and St. John. Net extras, per 100 lb. are as follows: Coppered wire, 60c.; tinned wire, $2; oiling, 10c.; spring wire, $1.25; best steel wire, 75c.; bright soft drawn, 15c.; special hay-baling wire, 30c.

FINE WIRE.—There is little doing. The discount is 22½ per cent.

BRASS AND COPPER WIRE.—Trade is considerably improved this week, and a good movement is noted. The discount on both wires is 60 per cent.

FENCE STAPLES.—Business for spring continues good. We quote per 100-lb. keg: Bright, $2.90; galvanized, $3.25.

WIRE NAILS.—The mills report wire nails very active, and jobbing houses are doing a fair business, mostly in small lots. Our quotations are as follows: $2.55 for small lots and $2.50 for carlots f.o.b. Montreal, London, Hamilton, Toronto, Gananoque, Brantford, Windsor, Ont., St. John and Halifax.

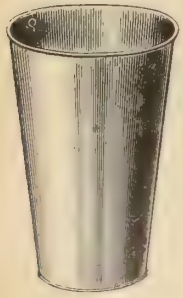
CUT NAILS.—These are moving slowly. We quote: $2.35 per keg for small lots and $2.27½ in carlots. Flour barrel and coopers' nails are discounted at 40 per cent.

HORSE NAILS.—There is still a very small demand. We quote: "C" brand at 50 and 7½ per cent. off and "M" brand at 60 per cent. off on oval and new city heads and 66 2-3 per cent. off for new countersunk heads.

HORSESHOES.—The movement continues light. We quote as follows: Iron shoes, light and medium pattern, No. 2 and larger, $3.50; No. 1 and smaller, $3.75; snow shoes, No. 2 and larger, $3.75; No. 1 and smaller, $4; X L steel shoes, all sizes, 1 to 5, No. 2 and larger, $3.60; No. 1 and smaller, $3.85; feather-weight, all sizes, $4.85; toe weight, steel shoes, all sizes, $5.95 f.o.b. Montreal; f.o.b. Hamilton, London and Guelph, 10c. extra.

SCREWS.—There is only a fair demand this week, though business for spring is looking up. The discounts are: Flat head bright, 87½ and 10 per cent. off list; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.

BOLTS.—Trade is good this week, showing a noticeable improvement over that of last week. We quote as follows: Norway carriage bolts, 60 and 5 per cent.; common, 55 and 5 per cent.; full square carriage bolts, 60 and 5 per cent.; machine bolts, 55 and 5 per cent.; coach screws, 70 per cent.; sleigh shoe bolts,



STRAIGHT PATTERN.



FLARING PATTERN.



Sap Pails and Spiles.

The sugar-making season is close at hand now, and you will insure yourself a good season's trade in sap pails and spiles by ordering early.

Sap Pails.

We make them in **both** straight and flaring patterns—three sizes in each.

"Eureka" Cast Iron Sap Spiles

are well known, and generally acknowledged to be the best on the Canadian market.

Galvanized Iron

in the following sizes and gauges always in stock:

48 x 96 x 16	48 x 96 x 18	48 x 96 x 20
48 x 96 x 22	36 x 96 x 20	36 x 96 x 24

Tinned Iron.

48 x 96 x 22	48 x 96 x 24	**Also I C and I X**
36 x 84 x 22	36 x 84 x 24	**Tin for Sap Pails.**

The McClary Manufacturing Co.

LONDON, TORONTO. MONTREAL, WINNIPEG, VANCOUVER, ST. JOHN, N.B.

"Everything for the Tinshop."

ENGLISH
GERMAN
BELGIAN
CANADIAN
AMERICAN
} PORTLAND CEMENTS.

FIRE
BUILDING
ENAMELLED
SILICA
MAGNESIA
} BRICKS.

DRAIN
CULVERT
} PIPES.

F. HYDE & CO.
31 WELLINGTON ST., MONTREAL

. . FULL STOCK . .
Salt Glazed Vitrified
SEWER PIPE
Double Strength Culvert Pipe a Specialty.
THE CANADIAN SEWER PIPE CO.
HAMILTON, ONT. TORONTO, ONT.
ST. JOHNS, QUE.

Deseronto Iron Co.
LIMITED
DESERONTO, ONT.
Manufacturers of
CHARCOAL PIG IRON
BRAND "DESERONTO."
Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

The Robin Hood Powder Company
If you want the best Trap or Game load in the world, buy "Robin Hood Smokeless," in "Robin Hood" Shells. It is quick, safe, and reliable. Try it for pattern and penetration from forty to seventy yards against any powder on the market. We make the powder, we make the shells, and we load them. Write for our booklet, "Powder Facts."
The Robin Hood Powder Company
SWANTON, VT.

70 per cent.; blank bolts, 60 per cent.; bolt ends, 60 per cent.; plough bolts, 55 and 5 per cent.; tire bolts, 67½ per cent.; stove bolts, 67½ per cent. To any retailer an extra discount of 5 per cent. is allowed. Nuts, square, 3¾c. per lb. off list; hexagon nuts, 4c. per lb. off list. To all retailers an extra discount of ¼c. per lb. is allowed.

BUILDING PAPER.—There is a moderate demand this week. Nothing new has occurred in prices since our last report. Our quotations are as follows: Tarred felt, $1.70 per 100 lb.; 2-ply, ready roofing, 85c. per roll; 3-ply, $1.10 per roll; carpet felt, $2.25 per 100 lb.; dry sheathing, 30c. per roll; tar sheathing, 40c. per roll; dry fibre, 50c. per roll; tarred fibre, 60c. per roll; O K and I X L, 65c. per roll; heavy straw sheathing, $30 per ton; slaters' felt, 60c. per roll.

CORDAGE.—The market is active in most lines. An advance has taken place in sisal rope of ½c., the price now quoted being 12½c., and in lathyarn there has been a rise of ¼c. There is not so much business being done on these ropes since the advance. We quote: Manila, 16c.; British Manila at 13½c.; sisal, 12½c.; single lathyarn, 11c.; double lathyarn, at 11½c.

RIVETS AND BURRS.—There is no change. There is still only a small inquiry. The discounts are as follows: Best iron rivets, section, carriage, and wagon box, black rivets, tinned do., coopers' rivets and tinned swedes rivets, 60 and 10 per cent.; swedes iron burrs are quoted at 55 per cent. off; copper rivets, 35 and 5 per cent. off, and coppered iron rivets and burrs, in 5-lb. carton boxes, are quoted at 60 and 10 per cent. off list.

SCREEN WIRE CLOTH.—There is a good demand for spring delivery. The price is $1.25 per 100 square feet.

POULTRY NETTING.—Trade continues fair. Canadian or English is discounted at 60 per cent., off 2 x 2 mesh, 19 wire, and 55 per cent. off 2 x 2 mesh heavier, Canadian list.

HARVEST TOOLS.—The market is active. The discount is 70 per cent.

FIREBRICKS.—A better business has been done this week. We quote: Scotch, $19 to $23.50; English, $18.50 to $22.50 per 1,000.

CEMENT.—There is a fair demand at steady prices. We quote as follows: German cement, $2.30 to $2.40; English, $2.25 to $2.35; Belgian, $1.70 to $1.95 per bbl. ex-wharf, and American, $2.20 to $2.30 ex-cars.

METALS.

Business in metals is quite active this week, and prices remain firm in most lines. Black Canada plates are very strong on the primary market, and importers of tinplates do not care to cable any orders in the present uncertain state of the market. Chain remains firm, and there is a good business doing. Ingot tin is 2c. higher. Several changes have been made in prices of iron pipe. We quote as follows:

PIG IRON.—There is a fair inquiry at steady prices. Summerlee is worth $21 to $21.50, and Canadian, $18.50 to $19.

BAR IRON.—Trade is only fair. Some sizes are hard to get. Merchants' bar, in small lots, sells for $1.95; horseshoe iron, $2.15 to $2.20.

BLACK SHEETS.—There is a small business doing. Prices are still very firm. We now quote as follows: 28 gauge,

A. C. LESLIE & CO.
Merchants Bank Building,
MONTREAL.
HEADQUARTERS FOR
IRON, STEEL, and METALS.



IRON AND BRASS
Pumps
Force, Lift and Cistern Hand and Power.
For all duties. We can supply your wants with—quality the best and prices right. Catalogues and full information for a request.
THE R. McDOUGALL CO., Limited,
Manufacturers, GALT, CANADA.

ADAM HOPE & CO.
Hamilton, Ont.
We offer for prompt shipment
Pig Tin,
L. & F. and STRAITS.
Ingot Copper, O.C.
Pig Lead.
Spelter.
Antimony.

NOVA SCOTIA STEEL & COAL CO., Limited
NEW GLASGOW, N.S.
Manufacturers of
Ferrona Pig Iron
And SIEMENS MARTIN
OPEN HEARTH STEEL.



You profit by our experience when you sell your customers **ELASTILITE VARNISH.**

We not only know how to make it good, but always do so. Our guarantee goes with every tin to protect you. In tins only, from ½-pints to 1-gallon.

MANUFACTURED ONLY BY

The Imperial Varnish & Color Co. LIMITED

Toronto, Ont., Canada.

Canadian Agents for Buehne's "Red, White and Blue" Brand Steel Wool.

"Ark Brand" Paint

is attracting much attention among good judges of paint. It seems to be just what everybody has been looking for; straightforward and honest goods.

Every Can of it has our guarantee on the back.

Better get our booklet and sample cards. You will be interested.

THE FRANCIS-FROST Co. Limited

TORONTO.

Canadian Distributing Agents for Grippin's Crack Filler.

$2.65; 26 gauge, $2.60; 20 to 21 gauge $2.50, and 8 to 20 gauge, $2.50.

GALVANIZED IRON.—The market is quiet and prices steady. We quote: No. 28, Queen's Head, $4.40; Apollo, 10 oz., $4.40; Comet, $4.25 with 10c. extra in less than case lots.

INGOT COPPER. There is not much doing. We still quote 11c.

INGOT TIN.—The demand is light. Straits are quoted at an advance of 2c., now being 29c.

PIG LEAD.—There is a good inquiry. The price is $3.25.

LEAD PIPE.—In this, a moderate business is doing at unchanged prices. Composition waste sells at 7½c.; ordinary, 7c. The discount is 35 per cent.

IRON PIPE.—The market continues active. In standard pipe, ½ inch black pipe, is 15c. lower; 2-inch is 15c. higher. Galvanized, ½ inch, is 15c. lower; 2 inch, 15c. higher. In extra heavy pipe there have been the same changes in ½ inch and 2-inch sizes. We quote as follows, per 100 feet, for standard pipe, screwed and coupled, in lengths under 19 feet: Black pipe, ¼, $3; ⅜, $2.50; ½, $2.75; ¾, $3; ¾, $3.70; 1-inch, $5.25; 1¼, $7.40; 1½, $8.90; 2-inch, $12.40 Galvanized, ⅜, $3.55; ½, $4; ¾, $5.05; 1-inch, $7.25; 1¼, $10.10; 1½, $12.15; 2-inch, $16.70. Extra heavy pipe, plain ends, are quoted, per 100 feet, as follows: Black, ½, $4.35; ¾, $5.30; 1 inch, $7.60; 1¼, $10.60; 1½, $12.70; 2-inch, $17.45. Galvanized, ½, $5.35; ¾, $6.70; 1-inch, $9.60; 1¼, $13.30; 1½, $15.95; 2-inch, $21.75. For threads and couplings, 5 per cent. is added.

TINPLATES.—There is a moderate demand. Cokes are worth $4.50 per box; charcoal, $4.75 to $5.25.

CANADA PLATE.—The primary market is very strong, and one or two dealers have advanced the price 5c. all round. Others, however, are still selling at the figures we quote. These are as follows: 52's, $2.65 to $2.70; 60's, $2.75 to $2.80; 75's, $2.80 to $2.85; full polished, $3.75, and galvanized, $4.25 to $4.35.

STEEL.—Business in steel is fair. We quote as follows: Sleighshoe, $2.05; tire, $2.15; bar, $2; spring, $2.85; machinery, $3; toecalk, $2.60.

SHEET STEEL.—There is a moderate demand. We quote as follows: Nos. 10 to 20, $2.50; 3-16, $2.50; ¼, 5-16, and ⅜, $2.40.

TOOL STEEL.—The inquiry for tool steel is better and a fair trade is doing. Diamond sells for 8c., and Jessop's for 13 cents.

TERNE PLATES.—The market is quite firm, but there is not much movement. We quote $7.75 to $8.

COIL CHAIN.—The market is firm. A good demand continues. We quote: No. 6, 12½c.; No. 5, 10½c.; No. 4, 10c.; No. 3, 9½c.; ¼-in., 7½c. per lb.; 5-16, $4.80; 5-16 exact, $5.25; ⅜, $4.25; 7-16, $4.05; ½, $3.85; 9-16, $3.75; ⅝, $3.55; ¾, $3.50; ⅞, $3.45; 1-in., $3.45. In carload lots an allowance of 10c. is made.

SHEET ZINC.—There is a small inquiry. The price is $5.75 to $6.25.

ANTIMONY.—There is very little doing. We quote 10c.

ZINC SPELTER.—The demand is very light. The price is 5c.

SOLDER.—In solder there is a good business doing. There is no change in quotations. Bar solder is worth 18c., and wire solder, 20c.

PAINTS AND OILS.

It was hinted here last week that an advance in the price of linseed oil was imminent. This week there has been a sharp advance, raw being quoted at 80c. and boiled at 83c., in 1 to 4 barrels. It will be noticed that instead of there being, as is usual, 1c. difference between quantities of 1 to 4 barrels and 5 to 9 barrels, there is now 2c. difference. Those who have been looking for a break in the linseed-oil market are surprised at the strength which it exhibits. Eighty cents is a high price to pay, and whether business can be done under a higher figure is a question, but the present price is fully warranted by the conditions in the primary markets. Turpentine remains at our former quotations, and the price is still very firm. Business, generally, in paints and oils, is good. We quote as follows:

WHITE LEAD.—Best brands, Government standard, $5.87½; No. 1, $5.50; No. 2 $5.12½; No. 3, $4.75; No. 4, $4.37½ all f.o.b. Montreal. Terms, 3 per cent. cash or four months.

DRY WHITE LEAD—$5.25 in casks; kegs, $5.50.

DRY WHITE ZINC — Pure dry, 6½c.; No. 1, 5½c.; in oil, pure, 7¼c.; No. 1, 6¼c.; No. 2, 5¼c.

PUTTY — We quote: Bulk, in bbls., $1.90 per 100 lb.; bulk, in less quantity, $2.05; bladders, in bbls., $2.25; bladders, in 100 or 200 lb. kegs or boxes, $2.40; in tins, $2.55 to $2.65; in less than 100-lb. lots, $3 f.o.b. Montreal, Ottawa, Toronto, Hamilton, London and Guelph. Maritime Provinces, 10c. higher, f.o.b. St. John and Halifax.

ORANGE MINERAL—Casks, 7c.; 100 lb. kegs, 7¼c.; smaller quantities, 8¼c.

RED LEAD — Genuine red lead in casks, $4.50; in 100-lb. kegs, $4.75; less quantities, $5.75 per 100 lb. No. 1 red lead, casks, $4.25; kegs, $4.50, and smaller quantities, $5.50.

LITHARGE—Ground, casks, 5c.; less, 5½c.; flake litharge, casks, $5.25; smalls, $5.75 per 100 lb.

LINSEED OIL.—Raw, 80c.; boiled, 83c. In 5 to 9 bbls., 1c. less; 10 to 20 bbl. lots open, net cash, plus 2c. for four months. Delivered anywhere in Ontario between Montreal and Oshawa at 2c. per gal. advance and freight allowed.

TURPENTINE.—Single bbls., 67c.; 2 to 4 bbls., 66c.; 5 bbls. and over, open terms.

SHELLAC VARNISH — Pure white, $2.35 to $2.45; orange, $2.25 to $2.35.

MIXED PAINTS—$1.20 to $1.45 per gal.

CASTOR OIL—8¾ to 9¼c. in wholesale lots, and ½c. additional for small lots.

SEAL OIL—47½ to 49c.

COD OIL—32½ to 35c.

PARIS GREEN — Petroleum barrels, 16¾c. per lb.; arsenic kegs, 17c.; 50 and 100-lb. drums, 17½c.; 25-lb. drums, 18c.; 1-lb. packages, 18½c.; ½-lb. packages, 20½c.; 1-lb. tins, 19½c.; ½-lb. tins, 21½c. f.o.b. Montreal. Terms: 3 per cent. 30 days, or four months from date of delivery.

SCRAP METALS.

Business in scrap metals is fair, and prices are steady, though on all iron the price is firm, owing to a continued scarcity. Our quotations are as follows: Heavy copper and wire, 10 to 10¼c. per lb.; light copper, 9c.; heavy red brass, 9c.; heavy yellow, 9c.; light brass, 4c.; lead, 2⅝ to 2⅝c.; zinc, 2 to 2¼c.; iron, No. 1 wrought, $14; machinery scrap, $14; stove plate, $8 to $9; light iron, No. 2, $5 per ton; malleable and steel, $4; rags, country, 60 to 70c. per 100 lb.; old rubbers, 6 to 6½c. per lb.

GLASS.

There is a good movement at unchanged prices. A few late import orders are still being booked. Quotations are: First break, 50 feet, $2.10; second, $2.20 for 50 feet; first break, 100 feet, $4.00; second break, $4.20; third break, $4.70; fourth break, $4.95.

HIDES.

There is a small demand. We quote: No. 1 hides, 7c.; No. 2, 6c.; No. 3, 5c. Lambskins are worth 65c.

MONTREAL NOTES.

Ingot tin is 2c. higher.

Some sizes of bar iron are hard to get.

Sisal rope has advanced ½c., and lath yarn is ½c. higher.

Some dealers are asking 5c. advance for Canada plate.

Linseed oil is 2c. higher for 1 to 4 barrels, and 1c. higher for 5 to 9 barrels.

An advance of 15c. per 100 feet has taken place in standard and extra heavy iron pipe, black and galvanized, in 2-inch sizes. In the ½-inch sizes there is a decline of 15c. per 100 feet.

McGinn & Abbott, general merchants and hotel proprietors, Kazabazua, Que., have disposed of their general stock there.

ONTARIO MARKETS.

Toronto, February 21, 1902.

HARDWARE.

WITH the improvement in the weather there appears to be some improvement in trade. For this time of the year trade is fair and the prospects for the immediate future are bright. Some orders are still being booked for barb wire, galvanized wire, and oiled and annealed, for future shipment. A fair trade is being done in wire nails. Bolts are in active demand, and a fair business is to be noted in screws and rivets. Considering the time of the year there is a fair business being done in rope. Enamelled ware and tinware are going out well. Sporting goods and cutlery are quiet. Ice-cream freezers and refrigerators are in request for forward shipment, and the wholesale dealers are taking these lines into stock. Poultry netting is still being shipped and wholesalers are beginning to make delivery of green wire cloth. There have been no changes in prices during the week worthy of note.

BARB WIRE.—A few orders for future shipment are still being booked. Our quotations are now as follows: F.o.b. Cleveland, $2.77½ for less than carlots, and $2.65 for carlots. From stock Toronto, $3.

GALVANIZED WIRE.—Nothing doing outside a few orders for forward shipment. We quote as follows: Nos. 6, 7 and 8, $3.50 to $3.85 per 100 lb., according to quantity; No. 9, $2.85 to $3.15; No. 10, $3.60 to $3.95; No. 11, $3.70 to $4.10; No. 12, $3 to $3.30; No. 13, $3.10 to $3.40; No. 14, $4.10 to $4.50; No. 15, $4.60 to $5.50; No. 16, $4.85 to $5.35. Nos. 6 to 9 base f.o.b. Cleveland are quoted at $2.52½ in less than carlots and 12c. less for carlots of 15 tons.

SMOOTH STEEL WIRE.—Orders are being taken still for oiled and annealed for future delivery. Base price is $2.60 per 100 lb. Oiling, 10c.; coppering, 60c.; and tinning, $2 per 100 lb. extra. Delivery points Toronto, Hamilton, London and Montreal, with freights equalized on those points.

FINE STEEL WIRE.—Some business is being done, especially in wire for stovepipe purposes. Discount is 22½ per cent.

WIRE NAILS.—Some fairly good orders have been received for wire nails during the past week. Our quotations are as follows: $2.55 for less than carlots and $2.50 for carlots. Delivery points, Toronto, Hamilton, London, Gananoque and Montreal.

CUT NAILS.—Only a small business is being done. We quote: Base price $2.35 per keg, with 7½c. allowance on carlots.

HORSE NAILS.—Business is just moderate. Discounts are as follows: "C" brand, oval head, 50 and 7½ per cent., and on "M" and other brands, 50, 10 and 5 per cent. Countersunk head 60 per cent.

HORSESHOES.—There is the usual quiet but steady trade being done. We quote f.o.b. Toronto as follows: Iron shoes, No. 2 and larger, light, medium and heavy, $3.60; snow shoes, $3.85; light steel shoes, $3.70; featherweight (all sizes), $4.95; iron shoes, No. 1 and smaller, light, medium and heavy (all sizes), $3.85; snow shoes, $4; light steel shoes, $3.95; featherweight (all sizes), $4.95.

SCREWS.—The demand for screws keeps good. Discounts are: Flat head bright, 87½ and 10 per cent.; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.; round head bronze, 65 per cent., and flat head bronze 70 per cent.



RIVETS AND BURRS.—Business is still fairly good. We quote: Iron rivets, 60 and 10 per cent.; iron burrs, 55 per cent.; copper rivets, with usual proportion of burrs, 45 and 10 per cent.; copper burrs alone, 30 and 10 per cent.

BOLTS AND NUTS.—An active trade is still being done in bolts. We quote as follows: Carriage bolts, common ($1 list), 55 and 5 per cent.; carriage bolts, full square ($2.40 list), 60 and 5 per cent.; carriage bolts, Norway iron ($3 list), 60 and 5 per cent.; machine bolts, all sizes, 55 and 5 per cent.; coach screws, 70 per cent.

ROPE.—A few orders are still being booked. We quote: Pure manila, 16c.; British manila, 13½c.; sisal, 12½c.; lath yarn, 11c.

DAIRY SUPPLIES.—There is still an active movement. The discount is 25 per cent.

SAP BUCKETS.—The demand for these continues brisk. The discount is 40 and 10 per cent.

TINWARE.—Fairly good quantities are going out. The discount is 40 per cent.

ENAMELLED WARE.—There is a fair demand for forward shipment, but very little is being done for prompt delivery.

SCREEN DOORS AND WINDOWS.—Only an occasional order is now being received for forward shipment. Common doors, 2 or 3 panel, are quoted f.o.b. factory points as follows: Walnut, stained, 3-in. style, $6.80 per dozen; stained, yellow, $7; natural color, oil finish, $8.15; 4-in. style, 20c. extra per dozen. Windows: No. 0, $1.60; No. 1, $1.70; No. 2, $1.95; No. 3, $2.10; No. 4, $2 50 per dozen.

FREEZERS AND REFRIGERATORS.—Some business is still being done for

future shipment, and the wholesale houses are taking both these lines into stock.

EAVETROUGH.—Some business is being done on future account on the basis of $3.10 per 100 feet for 10-inch.

SPADES AND SHOVELS.—Only a small business is being done. The discount is 40 and 5 per cent.

GREEN WIRE CLOTH.—Wholesalers are now beginning to make delivery. We quote $1.25 per 100 square feet.

BUILDING PAPER.—We quote as follows: Dry sheathing, grey or straw, 30c. per roll; tar sheathing, grey or straw, 40c. per roll; dry fibre, 50c. per roll; tarred fibre, 60c. per roll.

POULTRY NETTING.—Orders are still being shipped. We quote: 2-in. mesh, 19 w.g., discount 60 per cent.; 2-in. mesh, 18 w.g. and heavier, 50 and 10 per cent.

CEMENT.—Trade still continues quiet and business will not pick up before the middle of next month. The prices are unchanged. We quote as follows: Canadian Portland, Rathbun's "Star," $2.25 to $2.65; "Beaver," $2.10 to $2.50; "Ensign," $1.90 to $2.30; German, $3.15; English, $3; Belgian, $2.50 to $2.75; Canadian hydraulic, $1.25 to $1.50 per bbl.

METALS.

The iron and steel markets continue strong, and in sheet metals trade is, as a rule, satisfactory.

PIG IRON.—The market both here and in the United States is very strong. The ruling price of Canadian pig on track Toronto is now $19 for No. 1 and $18.25 to $18.50 for No. 2. The output of pig iron in the United States is being greatly interferred with owing to the scarcity of fuel.

STEEL.—The market continues strong. In Pittsburg billets are not to be had and the price of foreign billets, which are in demand, have advanced $4 per ton in the United States during the past two months. All kinds of steel continue scarce and firm in price. Quotations by Toronto wholesalers are: Merchantable cast steel, 9 to 15c. per lb.; drill steel, 8 to 10c. per lb.; "B C" and "Black Diamond" tool steel, 10 to 11c.; Jessop's, Morton's and Firth's tool steel, 14c.; toe-calk steel, $2.85 to $3; tire steel, $2.30 to $2.50; sleighshoe steel, $2.10 to $2.25; reeled machinery steel, $3; hoop steel, $3.10.

BAR IRON.—The situation is without change, the demand being moderate and prices steady. The base price is $1.95 to $2.05. Extras cut to length while rolling: 2 ft. and over, 10c. per 100 lb.; 1 ft. and under 2 ft., 15c.; under 1 ft., 20c.; over 20 ft. by special agreement, according to length and size.

BLACK SHEETS.—The demand is fair. We quote as follows: Common, $3.15 for 28 gauge; and dead flat, $2.50 for 26 gauge.

CANADA PLATES.—Orders are still being booked for import and the price is stiffening in the outside markets. We quote as follows: All dull, $3; half polished, $3.10; all bright, $3.75.

GALVANIZED SHEETS.—A good business is being done this week both for shipment from stock and on importation account. We quote: "Queen's Head" brand at $4.50 in case lots, and $4.65 in less quantities.

TIN.—The advances in the outside markets have stimulated buying here, although the demand is for small quantities. We still quote $28 to $29 per 100 lb. As we write the outside markets are a little easier.

TINPLATES.—A good business is being done both from stock and for import. The British market is steady, but we hear of no further advances since our last. We quote: I C, usual sizes, $4 per box.

TINNED SHEETS.—The demand is good. We quote: 72 x 30, up to 24 gauge, 7½c.; ditto, up to 26 gauge, 8c.

TERNE PLATES.—Very little doing. We quote: I C, 20 x 28 gauge, at $8.50.

COPPER.—There has been a good turnover during the past week in both ingot and steel copper. We quote: Half-and-half, guaranteed, 19c.; do. commercial, 18½c.; refined, 18c.; wiping, 17½c.

BRASS.—Trade is quiet. The discount is 15 per cent.

LEAD.—There is some inquiry. We quote: $3.50 to $3.75 for pig lead and $5 for bar.

IRON PIPE.—The market is decidedly firm, but local wholesale dealers quote as before. We quote: Black pipe, $5.40 for 1-inch; galvanized, $7.95 for 1-inch.

ZINC SPELTER.—Only a small busi- the past week. We quote $6 to $6.25 in $6 per 100 lb.

ZINC SHEET.—Business has been good the past week. We quote $6 to $6.25 in casks and $6.25 to $6.50 in part casks.

ANTIMONY.—Trade is quiet. We quote 10c. per lb.

SOLDER.—A good trade is being done. We quote: Half-and-half, guaranteed, 19c.; ditto, commercial, 18½c.; refined, 18c.; wiping, 17½c.

PAINTS AND OILS.

Trade in paints and oils still continues quiet, but merchants report that there are a good number of orders being received for future shipment. The price of raw and boiled linseed oil has been advanced 5c. owing to the firm feeling in Great Britain, and the high quotations for English oil for delivery here. Besides, the world's visible supply of flaxseed is limited this year. Turpentine also continues firm. We quote:

White Lead—Ex Toronto, pure white lead, $5.87½; No. 1, $5.50; No. 2, $5.12½; No. 3, $4.75; No. 4, $4.37½ in pkgs. of 25 lb. and upwards; ½c. per lb. extra will be charged for 12½-lb. pkgs.; genuine dry white lead in casks, $5.12½.

Red Lead—Genuine, in casks of 560 lb. $5.12½; ditto, in kegs of 100 lb., $5.50; No. 1, in casks of 560 lb., $4; ditto, kegs of 100 lb., $4.50.

Litharge—Genuine, 6 to 6½c.

Orange Mineral—Genuine, 7½ to 8c.

White Zinc—Genuine, French V.M., in casks, $6 to $6.25; Lehigh, in casks, $6.

Benzine—In barrel lots, 16½c. per gal.; less quantities, 25c. per gal.

Paris White—90c. to $1 per 100 lb.

Whiting — 65c. per 100 lb.; Gilders' whiting, 80c.

Gum Shellac — In cases, 35c.; in less than cases, 40c. per lb.

Liquid Shellac—Pure orange, in bbls., $2.25 to $2.35; white, $2.35 to $2.45 per gal.; in less quantities, 10c. extra.

Putty—Bladders, in bbls., $2.25; bladders, in 100 lb. kegs, $2.40; bulk in bbls., $1.90; bulk, less than bbls. and up to 100 lb., $2.05; bladders, bulk or tins, less than 100 lb., $2.90.

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.

'WELLINGTON' KNIFE POLISH

JOHN OAKEY & SONS, LIMITED

MANUFACTURERS OF

Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.

Wellington Mills, London, England.

Agent:

JOHN FORMAN, 644 Craig Street

MONTREAL



COVERT MFG. CO.

West Troy, N.Y.

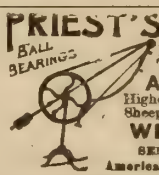
Steel Carriage and Wagon Jacks,

Harness Snaps, Chain, Rope and Web Goods, etc.

FOR SALE BY JOBBERS AT MFRS. PRICES.

PRIEST'S CLIPPERS

BALL BEARINGS



Largest Variety, Toilet, Hand, Electric Power

ARE THE BEST.

Highest Quality Grooming and Sheep Shearing Machines.

WE MAKE THEM.

SEND FOR CATALOGUE TO

American Shearer Mfg. Co., Nashua, N.H., U.S.A.

Don't Forget the Name. . .

NEWMAN'S INVINCIBLE FLOOR SPRINGS

Strong, Quick, Reliable, Effective.

Will close a door against any pressure of wind. Far ahead of ordinary door springs pneumatic or otherwise. Ask your wholesaler.

W. NEWMAN & SONS, Birmingham.

Oneida Community Goods

HALTERS, COW TIES SNAPS, etc., etc.,

in all sizes and styles. May be had of all jobbers throughout Canada.

Factory—NIAGARA FALLS, ONT.

Persons addressing advertisers will kindly mention having seen their advertisement in The Canadian Hardware and Metal Merchant.

"PULLMAN"

TROUSER or SKIRT HANGERS.

TWO SIZES



PULLMAN SASH BALANCE CO.,

ROCHESTER, N.Y., U.S.A.

PLASTER PARIS—New Brunswick, $1.90 per bbl.

PUMICE STONE — Powdered, $2.50 per cwt. in bbls., and 4 to 5c. per lb. in less quantity ; lump, 10c. in small lots, and 8c. in bbls.

LIQUID PAINTS—Pure, $1.20 to $1.30 per gal.

CASTOR OIL — English, in cases, 9½ to 10c. per lb. and 10 to 10½c. for single tins.

LINSEED OIL—Raw, 1 to 4 barrels, 82c.; boiled, 85c.; 5 to 9 barrels, raw, 81c.; boiled, 84c., delivered. To Toronto, Hamilton and London, 2c. less.

TURPENTINE—Single barrels, 68c.; 2 to 4 barrels, 67c., delivered. Toronto, Hamilton and London 1c. less. For less quantities than barrels, 5c. per gallon extra will be added, and for 5-gallon packages, 50c., and 10-gallon packages, 80c. will be charged.

GLASS.

There is a moderate number of orders being booked for import, but the market is unsettled, with an upward tendency. The local retail trade is light. We quote as follows : Under 26 in., $4.25 ; 26 to 40 in., $4.65; 41 to 50 in., $5.10 ; 51 to 60 in., $5.35 ; 61 to 70 in., $5.75; 71 to 80, $6.25 ; 81 to 85, $7 ; 86 to 90, $7.75 ; Toronto, Hamilton and London. Terms, 4 months, or 3 per cent. 30 days. Discount off pane price list, 33⅓ per cent.

OLD MATERIAL.

The market for old brass and copper is stronger, owing to the upward tendency of copper. There is a moderate trade being done in all lines of old materials, the receipts being rather small, owing to the cold weather. The prices are steady. We quote : Agricultural, 60c. per cwt. ; machinery cast, 60c. ; heavy copper, 10c½. per lb.; stove cast, 40c. ; No. 1 wrought, 50c. per 100 lb. ; new light scrap copper, 7½c. per lb.; bottoms, 8c.; coil wire, 10c.; light brass, 5c.; heavy yellow brass, 7½c. ; heavy red brass, 8c. ; scrap lead, 2¼c. ; zinc, 2c. ; scrap rubber, 6c. ; good country mixed rags, 50 to 60c.; clean dry bones, 40 to 45c. per 100 lb.

HIDES, SKINS AND WOOL.

The market is steady and prices are about the same as last week. The trade still continues moderate. We quote what buyers pay on arrival :

HIDES—We quote : No. 1, green, 7c.; No. 2 green, 6c. ; No. 1 green, steers, 8c.; No. 2 green, steers, 7c.; cured, 7¾ to 8c.

SKINS—We quote : No. 1 calfskins, 9c.; and No. 2, 7c.; deacons (dairies) 55 to 60c. each ; sheepskins, 65 to 80c.; deerskins, 12½ to 14c. per lb.

WOOL—We quote : Fleece, 13c., and unwashed, 7 to 8c. per lb.

SEEDS.

The close of the export season for red clover has resulted in a slight decline of 20c. per bushel in that article. Alsike, on the other hand, is quite brisk, and prices have been advanced 50c. per bushel. Timothy is quiet. As usual, a little more will be paid for extra fine lots. We quote buying price at outside points : Red clover, $4.50 to $4.60; alsike, $7 to $8, and timothy, $2.50 to $3.25 per bush.

ARE NOW MADE IN THE DOMINION.



The well-known AMERICAN and GREAT WESTERN brands

FILES AND RASPS

which have been imported from the United States for many years past, are now being manufactured by the

NICHOLSON FILE CO. (DOMINION WORKS) **PORT HOPE, ONT.**

and may be purchased from any of the following Wholesale Hardware Merchants, who carry an assorted stock :

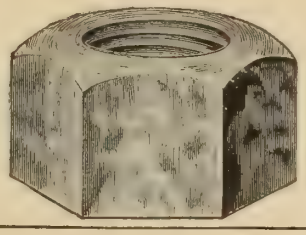
AMERICAN BRAND

Wood, Vallance & Co., Hamilton, Ont.
A. Macpherson & Son, Montreal, P.Q.
Geo. D. Wood & Co., Winnipeg, Man.
Thos. Dunn & Co., Vancouver, B.C.
The Fairbanks Co , Montreal.

GREAT WESTERN BRAND

Hobbs Hardware Co., London, Ont.
L. H. Hebert, Montreal, Que.
Chinic Hardware Co., Quebec, Que.
McLennan, McFeely & Co., Vancouver, B.C.
Hickman, Tye Hardware Co., Victoria, B.C.
Black Bros. & Co , Halifax.





THE JOHN MORROW MACHINE SCREW COMPANY, Limited

Manufacturers of

Set and Cap Screws, Special Milled Work, Engine Studs, Etc. Cold Punched Nuts of every variety of finish.

INGERSOLL, ONT.



FOR SALE

125 tons 65-lb. Relaying Steel Rails with plates.
475 tons 56-lb. Relaying Steel Rails with plates.
80 tons 25-lb. Relaying Steel Rails with plates.
30 tons 14-lb. Relaying Steel Rails with plates.

Correspondence Solicited. *IMMEDIATE DELIVERY.*

SESSENWEIN BROS., - Montreal

COAL.

The situation is more acute, the famine in cars being still pronounced, but there is an indication that there will be some relief shortly. The prices quoted below are only nominal, there being now no fixed prices at the mines. We quote at international bridges as follows : Grate, $4.75 per gross ton; egg, stove and nut, $5 per gross ton ; soft coal, $2.50 to $3.25 in bond, according to grade.

PETROLEUM.

There is a steady demand and prices are unchanged. We quote: Pratt's Astral, 16½ to 17c. in bulk (barrels, extra) ; American water white, 17 to 17½c. in barrels; Photogene, 16½ to 17c. ; Sarnia water white, 16 to 16½c. in barrels; Sarnia prime white, 14½ to 15c. in barrels.

MARKET NOTES.

The price of boiled and raw linseed oil has been advanced 5c. per gal.

PRESENTATION TO W. P. MILLAR.

On February 13, on the eve of his departure to fill a lucrative position with The China Mutual Insurance Co., Shanghai, China, W. P. Millar was visited by a delegation from The James Smart Manufacturing Co., Limited, Brockville, and presented with a complimentary address and a handsome cabinet of silver as a mark of their esteem.

Mr. Millar has been connected with the company several years as manager of their stove and furnace department, and during that time had won the confidence of all who had been associated with him. The address was read by Mr. J. H. A. Briggs, the vice-president of the company, and was signed on behalf of Mr. Miller's fellow-employes by J. H. A. Briggs, Alex. Foxton, W. K. Nicholson, A. E. Foxton. It set forth how high their estimation was of his abilities, and expressed their heartfelt wishes for his future success.

Mr. Millar thanked his friends for their generous act, and spoke of the friendly relations which had always existed between them and himself.

A complimentary resolution from The James Smart Manufacturing Co.'s board of directors was also handed to Mr. Millar.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

MAGNAN FRERES, hardware merchants, Montreal, have assigned to Kent & Turcotte.

Thomas Steele, general merchant, Ridgetown, Ont., is asking an extension.

R. H. Lear & Co., plumbing, gas fixtures, etc., Toronto, are offering to compromise.

John Lavallee, wholesale general merchant, St. Charles, Bellechasse, Que., has assigned.

Daniel Shaw, hardware merchant, Almonte, Ont., has assigned to Harold Jamieson.

The Page-Hersey Iron and Tube Co., Limited, Montreal, are in voluntary liquidation.

P. Langis, general merchant, Shawenegan Falls, Que., has compromised at 50c. on the dollar.

J. Arthur Allard, contractor, Outremont, Que., has compromised at 30c. on the dollar, cash.

Desire Ricard, general merchant, Batiscan, Que., is offering to compromise at 15c. on the dollar.

Hill & Mallory, late general merchants, Carman, Man., have assigned to C. H. Newton, Winnipeg.

A. Goulet, general merchant, The Brook, Ont., is offering to compromise at 33 1-3c. on the dollar.

The creditors of T. J. Metheral, general merchant, Singhampton, Ont., held a meeting on February 18.

A demand of assignment has been made on Arthur Lajoie, general merchant, Shawenegan Falls, Que.

The assignment of P. Plouffe, general merchant, Shawville and Ladysmith, Que., has been demanded.

The stock of Gus. Tweedale & Co., hardware merchants, Fredericton, N.B., has been seized by sheriff.

The creditors of J. N. A. Carriere, general merchant, St. Philippe, D'Argenteuil, Que., have held a meeting.

Carpenter Bros., general merchants, Mille Roches, Ont., have assigned to G. J. Gage, Cornwall. Their creditors met on February 19.

Chas. L. Stevens has been appointed receiver for Dimock, Aldred, Shand & Son, proprietors of planing mills, Glace Bay, N.S.

O. E. Leger has filed an assignment for O. E. Leger & Frere, general merchants, Coteau Station, Que., and their creditors met on February 19.

PARTNERSHIPS FORMED AND DISSOLVED.

Smith & McLeod, sawmillers, Vernon, B.C., have dissolved.

J. E. Ross, general merchant, Cobden, Ont., is admitting a partner.

R. D. McNaughton & Co., general merchants, Moosomin, N.W.T., have dissolved.

Damery & McDonald, lumber merchants, Loggieville, N.B., have registered a copartnership.

C. H. Greenshaw, hardware merchant, Hamiota, Man., has admitted A. B. Fleming as partner.

Uhrich & Doell, agricultural implement agents, Winkler, Man., have dissolved, and each continues.

Fox & Allan, general merchants, Hawkshaw, N.B., have admitted George Ingraham as partner.

Shediac & Shediac, general merchants, Saulnierville, N.S., have dissolved. Geo. A. Shediac continues under the same style.

W. A. Grier, Oxbow, N.W.T., has admitted Frank Stevenson into partnership to engage in the lumber and implement business.

The partnership between Alex. Asher and H. Leeson has been renewed, and they will continue to conduct a general jobbing business at Toronto, Arnprior, Galt, Napanee, Owen Sound, Picton, and Port Hope, Ont., under the style of Asher & Leeson.

SALES MADE AND PENDING.

W. G. Duffin, blacksmith, Thorndale, Ont., is advertising his business for sale.

E. N. Beaudry, hardware merchant, Nicolet, Que., is offering his business for sale.

The stock of C. R. Gordon & Co., general merchants, Manitou, Man., has been sold.

F. X. E. Gauthier, general merchant, L'Original, Ont., is offering his business for sale.

S. O. Bailey, general merchant, Stonewall, Man., is advertising his business for sale.

The assets of H. A. Lalonde, general merchant, River Beaudette, Que., have been sold.

John Fumerton & Son, general merchants, Holland, Man., are advertising their business for sale.

The stock of H. A. Smiley & Co., general merchants, Bates, Man., has been sold at 53c. on the dollar.

The assets of Joseph Cousineau & Co., coal and wood merchants, Montreal, are to be sold on February 26.

The stock of M. S. Houle, general merchant, St. Boniface, Man., is advertised for sale by auction on February 22.

The assignee of the estate of Hiram Hyde, coal and wood merchant, Truro, N.S., is advertising for book debts.

CHANGES.

F. Godsby, blacksmith, Sparta, Ont., has sold out to Arthur Murphy.

R. Cunningham & Son, general merchants, etc., Port Essington, B.C., have purchased the Claxton sawmill.

The Shepody Navigation Co., Limited, Moncton, N.B., is applying for incorporation.

J. P. Landry, general merchant, Chichester, Que., is reported to be giving up business.

Mrs. Kate Balayti, general merchant, Fernie, B.C., has sold out to Richards & Thompson.

Lindsay & Co., general merchants, Shelburne, Ont., have been succeeded by T. A. Neilly.

The Peoples' Line Steamship Co., Limited, Rothesay, N.B., is applying for incorporation.

H. Bishop & Son, hardware merchants, Exeter, Ont., have sold out to Thomas Hawkins & Son.

The Horsefly Trading and Transportation Co., Limited, Victoria, B.C., has been incorporated.

Phanneton & Blouin, hardware merchants, Three Rivers, Que., are succeeded by Beaudry & Blouin.

C. F. Boultbee, dealer in agricultural implements, Broadview, N.W.T., is opening a branch store at Whitewood.

The Lacombe Cooperative Association, Limited, general merchants, Lacombe, N.W.T., have sold out to H. R. Foulger & Co.

FIRES.

A. Luckovich, general merchant, Hesquiat, B.C., has had his loss by fire adjusted at $2,400.

M. Fickler & Co.'s departmental store at Fredericton, N.B., was burned recently. The insurance amounts to $17,000.

Louis Couillard, hardware merchant and plumber, St. Cunegonde de Montreal, had his stock damaged by fire and water; it was insured.

DEATHS.

Peter McAuley, general merchant, Glace Bay, N.S., is dead.

Wm. Reid, general merchant, Prince Edward Island, is dead.

Duncan Gillespie, general merchant, Stayner, Ont., is dead.

A. T. Parish, furniture and stove merchant, London, Ont., is dead.

Alex. Earsman, of Alex. Earsman & Son, brass finishers, Toronto, is dead.

John A. Pillow, president of The Pillow and Hersey Manufacturing Co., Limited, Montreal, is dead.

A HEAVY FAILURE.

The following are the assets and liabilities of John Lavallee, wholesale general merchant, St. Charles de Bellechasse, Que., who assigned on Thursday, February 13:

ASSETS.

Stock on hand, about	$25,000 00
Horses, carriages, etc	500 00
Fixtures in store	500 00
Bills receivable	37,000 00
Real estate	5,000 00
Total	$68,700 00

LIABILITIES.

J. B. Renaud & Cie, Quebec	$29,100 44
Thibeaudeau, Freres & Cie, Quebec	6, 50 37
Drouin, Freres & Cie, Quebec	1,711 57
Renaud & Cie, Quebec	1, 10 62
The Rock City Tobacco Co., Quebec	1,118 10
J. Arthur Paquet, Quebec	1,0 2 83
Whitehead & Turner, Quebec	7 0 40
The Chinic Hardware Co., Quebec	722 27
A. Joseph & Sons, Quebec	621 36
J. A. Gagnon, Quebec	339 10
B. Houde & Cie, Quebec	284 80
O. L. Richardson & Sons, Quebec	277 43
Parisian Corset Co., Quebec	8 6
Quebec Paper Bag Co., Quebec	39 32
The Gault Bros. Co., Montreal	9,227 52
The Canada Hardware Co. (guaranteed) Montreal	6,490 27
The Thos. Davidson Mfg. Co., Montreal	822 24
Kearney Bros., Montreal	586 35
J. Finley & Son, Montreal	540 51
James Coristine & Co., Montreal	520 10
The Lang Mfg. Co., Montreal	499 99
The Imperial Oil Co., Montreal	482 83
J. G. McKenzie & Co., Montreal	440 50
P. S. Doyle & Co., Montreal	403 47
Hodgson, Sumner & Co., Montreal	317 77
I. L. Michalson & Sons, Montreal	254 15
Sieyes, Genin & Cie, Montreal	232 00
Wortman & Ward, Montreal	226 18
The Whitham Shoe Co., Montreal	100 63
Lyman, Sons & Co., Montreal	53 78
R. S. Williams, Montreal	23 32
P. Kyle, Montreal	12 02
The Empire Shirt Co., Montreal	9 23
L. Gravel, Montreal	6 28
Wm. Harland & Co., Toronto	247 64
Pugsley, Dingman & Co., Toronto	240 10
Blue Ribbon Tea Co., Toronto	61 00
D. Conboy, Toronto	29 00
Josiah Fowler, St. John, N.B.	506 17
Gananoque Spring Co., Gananoque, Ont.	416 51
J. B. Armstrong Mfg. Co., Guelph, Ont.	391 14
Naz. Turcotte & Cie., Quebec	246 10
The R. H. Smith Co., St. Catharines, Ont.	232 22
The Joliette Tobacco Co., Joliette	229 09
The James Smart Mfg. Co., Brockville, Ont.	223 18
Total	$67,85 59

INDIRECT CLAIM.

Peoples Bank of Halifax, Levis	6,425 00

MORTGAGE.

John T. Ross, Quebec	3,000 00
Total	$77,281 50

CONDENSED OR "WANT" ADVERTISEMENTS.

Advertisements under this heading, 2c. a word each insertion; cash in advance. Letters, figures, and abbreviations each count as one word in estimating cost.

WANTED.

A TINSMITH, SINGLE, TOTAL ABstainer, accustomed to furnace work and roofing. Steady employment. State wages, experience and references. Apply, P. O. Box 2, Carlyle, Assa., N.W.T. (8)

A GOOD TINSMITH AND PLUMBER, none but best need apply. H. R. Manders & Co., Owen Sound, Ont. (8)

LOT OF SECOND-HAND TINSMITHS' TOOLS, in good condition. Apply giving list of same, to HARDWARE AND METAL, Toronto, Box 86.

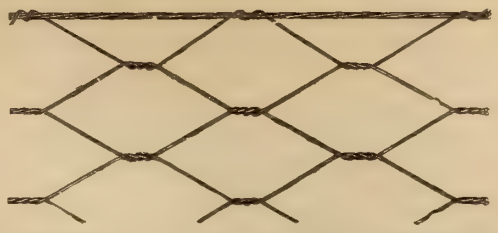
BUSINESS FOR SALE.

HARDWARE BUSINESS, IN A GROWING town. Prosperous farming section. Good location and premises. Opening for plumbing in connection. Business established thirty years. Owner has other interests. Address, Box 74, HARDWARE AND METAL, Montreal or Toronto. (8-tf)

TRAVELLER WANTED.

WANTED—FOR MANITOBA AND NORTH-West Territories, an experienced hardware traveller for a Montreal wholesale hardware firm. This is a splendid opening for a steady, bright "hustler." A good salary will be paid for the right man. It is necessary that the applicant have good connection with western trade—none other need apply. Good references required. Apply at once to Box L, HARDWARE AND METAL, Montreal. (8)

THE C. G. YOUNG CO.
RUBBER STAMPS
AND SUPPLIES
No. 1 Adelaide Street East - Toronto



First-class **FARM FENCING**
only 30 cents per ROD
For Sale by With Discount to Dealers.
The Ontario Wire Fencing Co., Limited,
PICTON, ONT.

Telephone: MAIN 2927 Cable Address: "TIMA"

The
International Mercantile Agency
JANES BUILDING . . . of TORONTO

begs to announce to the Manufacturers and Merchants of Canada that they have the most effective system for collecting past due and old accounts in Canada, United States and Europe, without using offensive methods to debtors. Our reputation has been established by doing business on business principles, and prompt remittances, and we will be pleased to refer prospective clients to the hundreds of patrons we are doing business with.

We will be pleased to quote our rates on application or send one of our representatives to call on you. Correspondence solicited.

THE INTERNATIONAL MERCANTILE AGENCY OF TORONTO

WE MANUFACTURE THE VERY BEST KINDS OF
PAINT AND COLOR CANS
VARNISH AND OIL CANS
PAINT PACKAGES
ROUND AND SQUARE PAINT IRONS
LYE TINS
Our goods are guaranteed to be reliable, and to give entire satisfaction. Quotations gladly submitted for any quantity.
THE ACME CAN WORKS
Office and Factory: Ontario St. and Jeanne D'Arc Avenue.
Jas B. Campbell. MONTREAL. William Pratt.

RICHARD JOHNSON, CLAPHAM & MORRIS, Ld., Manchester
CABLE ADDRESS—"Metallicus," Manchester.
CODES USED—ABC, AI, Liebers and Private Code.
AND **LIVERPOOL, ENG.**

Manufacturers and Metal Merchants

GALV'D SHEETS
GALV'D CANADAS
BLACK SHEET IRON
BLACK CANADAS
Range & Furnace SHEETS

TINPLATES, TERNES
TINNED SHEETS
PIG TIN, PIG LEAD
WIRE NETTING
GALV'D BARB WIRE

MONTREAL OFFICE:
Messrs. Copland & Co., Imperial Buildings.



WAREHOUSE LEVER STREET

HALIFAX OFFICE:
Messrs. Grant, Oxley & Co., 68 Bedford Row.

MONTREAL ROLLING MILLS CO.'S DINNER.

THE second annual dinner of The Montreal Rolling Mills Company took place at the Place Viger Hotel on Saturday evening, February 15, and was attended by about 65 persons.

Mr. Wm. McMaster, vice-president and general manager of the company, was chairman. On his right sat Mr. J. K. Kinghorn, general sales agent, and on his left, Mr. M. F. Derrick, general superintendent, and vice-chairman of the evening. The head table was in the form of a crescent, and on it, beautifully executed in flowers, was the company's well-known trade mark. The menu card was shaped like a horseshoe, the inner covers containing the toast list, programme and menu.

When everyone had followed out the instructions at the top of the menu, "Strive mightly, but eat and drink as friends," the chairman proposed a toast to "The King," and had His Majesty been present he would have felt much pleased with the heartiness with which the National Anthem was sung.

"Our Guests," was proposed by Mr. Kinghorn, and responded to by Mr. Fred. S. Hickey. Mr. J. L. Waldie, the secretary-treasurer of the company, in what was acknowledged the speech of the evening, proposed the toast of "Our Chief." He outlined the progress of the business since its commencement, and referred to Mr. McMaster having been an office boy in the company when it was first started. "Mr. McMaster," he said, "was at that time, like the works, a very small affair." The chairman replied feelingly. He said, although his looks were against him, yet he felt as young as the youngest.

"Our Works," was the last toast. Mr. McMaster proposed it and Mr. M. F. Derrick responded. He spoke of the improvements now under way, and of contemplated extensions to the works. Other replies to this toast came from the several heads of the departments, Mr. Clowes speaking for the 12-inch mill; Mr. Myers, of the 9-inch mill; Mr. Fessenden, of the tacks and wire goods; Mr. Miller, of the galvanized department, and Mr. Higgs, who superintends the outside work of the mills, of the handling of the raw materials in the yard.

Mr. George Boyd, of the sales department, complimented the committee on the manner in which they had performed their work in connection with the dinner, and Mr. J. A. Gingras, on behalf of the committee, replied, making the wittiest speech of the evening.

During the evening the following programme was carried out:

1 Song ..... Selected
F. S. Hickey.
2 Legerdermain .....
T. Turner.
3 Song ..... Selected
C. Hempey.
4 A Few Imitations .....
H. Diplock.
5 Song ..... Selected
J. A. Gingras.
6 Recitation "Papineau's Gun" .. Dr. Drummond
E. Oborne.
7 Duet ..... Selected
C. Bradbury and C. Hempey.
8 Song ..... Selected
F. S. Hickey.
Accompanist, T. D. Edward.

One of the best songs of the evening, which was all the more enjoyed for not being on the programme, was given by Mr. Wm. R. Boyd, the company's timekeeper. It was a topical song, called "The Rolling Mill Ship," and was written and composed by Mr. Boyd himself.

That The Montreal Rolling Mills Co. have, in their numbers, an unusual roll of talent must be admitted when it is stated that everyone that took part in the above programme, with the exception of Mr. Hickey, was an employe of the company.

NOVA SCOTIA MARKETS.

Halifax, February 18, 1902.

THIS is about the middle of the dull season in the hardware line; yet both wholesalers and retailers are satisfied that the business doing is up to the average. Those handling only special lines have to content themselves with the conditions which are affecting other businesses; but those handling full lines, especially the retailers, are kept comparatively busy. Office work is abundant, and in many cases we find the heads of firms almost too busy to spare much time to giving information as to trade.

* * *

Travellers out on the road are sending in fairly good orders, which denotes a healthy condition throughout the country. The prospects are good for a busy season in the building line, in almost every section of the country, and this is looked forward to as indicating a profitable season in the hardware business in the city.

* * *

The firmness of the iron and steel markets, especially as denoted on the other side of the border, keep prices here firm. A short time ago the price of wire nails was cut some 30 per cent., but as manufacturers are not satisfied with present prices it is quite possible that they may again advance, as the reduction is not warranted by the general state of the iron and steel trade.

* * *

The prices of linseed oil and turpentine are not quite satisfactory, and a continuance of the high prices will depend, as far as the former is concerned, largely on the new seed-crop, reports of which are not yet definite, but are not encouraging. Turpentine, during the last month, has advanced 7c. Linseed oil is quoted at 82c. by the barrel for raw, and 85c. for boiled; in smaller quantities, 87 and 90c. Turpentine, barrels, 69c.; small quantities, 74c. The cordage line is firm with a good demand; prices are expected to run higher.

* * *

With reference to a number of steel billets imported here from England on two occasions during the last month, it may be stated that they were imported by The Nova Scotia Steel and Coal Co., of New Glasgow, some time ago to fill special orders. Now that The Dominion Iron and Steel Co., of Sydney, are manufacturing both steel ingots and steel billets, no such orders from England or elsewhere will be necessary for the future. Within the last week, so it is reported, representatives of two United States firms visited our great iron centre to inspect the new make of ingots and billets, with the view to purchase. They are reported as being perfectly satisfied with the quality.

* * *

Despatches to the Halifax papers last night state that a project is on foot to start a large wire-nail factory at Sydney. Mr. James Pender, of St. John, N.B., is at the head of the movement, and he is said to be backed by a number of leading men in the Maritime Provinces. The despatch adds: "It is learned that nearly $300,000 is the amount already subscribed for the project." It is understood that the capital required is $500,000. This is only the commencement of the movement to introduce kindred manufactories in iron and steel.

R. C. H.

PROPOSE TO MAKE THEIR OWN SEWER PIPE.

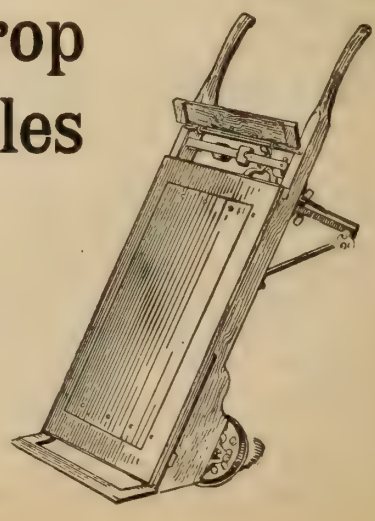
The Winnipeg Board of Works have accepted a tender for only a limited quantity of sewer pipe of United States manufacture. It is proposed that the city should purchase the necessary plant, which would cost about $5,000, and manufacture its own sewer pipe from cement. It is claimed that, by following this course, the city might have saved some $7,000 last season.

The National Machine Co., of Columbus, Ohio, have decided to open a branch in Winnipeg; in fact, all lines of implement concerns seem to have an eye on the capital of Manitoba at the present moment as a good vantage ground for business.

The Parcell Drop Lever Truck Scales

Highly endorsed by Government Inspectors.

Designed for Farm, Mill, Factory and Warehouse uses. Ask your wholesale Dealer for cuts and prices, or write



AYLMER IRON WORKS CO., Limited

AYLMER, ONT.

CATALOGUES, BOOKLETS, ETC.

A HAMMER FIRM'S CATALOGUE.

A CATALOGUE of 40 pages, handsomely printed on fine paper and clear type and containing numerous engravings exquisitley tinted in aluminum and yellow, representing the natural colorings of the Maydole solid crucible cast steel hammers, is that issued by the David Maydole Hammer Co., Norwich, Chenango County, New York. For more than 50 years this firm has been placing its hammers on the market, constantly adding new styles and sizes, till now every line of hammer from their adze eye nail, horseshoers', blacksmiths' to machinists' and boiler riveters' is made bearing the trade mark of the firm —"D. Maydole Cast Steel." On different pages throughout this catalogue are illustrated some of the awards made the Maydole hammers by industrial expositions.

AN 800-PAGE CATALOGUE.

The Canada Hardware Co. are working on a new catalogue, which, when completed will contain 800 pages. It will, of course, take some time to finish this work, but in the meantime, periodical supplements will be issued.

WOODENWARE AND BRUSH CATALOGUE.

The United Factories, Limited, of Toronto, have issued their new illustrated catalogue for season of 1902, which consists of 298 pages devoted to brushes, brooms, woodenware and grocers' sundries.

134 of the pages are used for displaying Boeckh's brushes, 8 pages for Boeckh's brooms and whisks, 81 pages for Bryan's brushes, 18 pages for Cane's Newmarket woodenware. The remainder is devoted to the large range of grocers' sundries and adjustable display tables.

In the combined list there are nearly 10,000 different kinds and sizes of brushes for every known purpose for which a brush is required; 100 varieties of corn brooms and whisks; 500 different kinds of woodenware, baskets, screen doors and windows and other sundries for the grocery trade. This is, without doubt, the finest and best displayed and illustrated catalogue ever issued to the Canadian trade in these particular lines. The design of the cover originated from their own advertising department.

The enormous growth of the business has brought them into prominence all over the British possessions, the company being well known as the leading brush and broom manufacturers of Canada. Their reputation for turning out first-class goods for the past 56 years is a record worth having, and the Canadians should be proud to know they have a factory of this nature to compete with the world on high-class brushes.

A copy will be sent to all their regular customers, or to any who may have been overlooked a copy will be cheerfully sent upon his applying to the head office or to any of the company's branches.

KENTVILLE BOARD OF TRADE REPORT.

The Kentville Board of Trade have issued their ninth annual report in a neatly printed booklet of eight pages, containing their president's address and their resolution regarding the holding of a Provincial winter fair of fat and dairy stock in Kentville, N.S. The annual meeting of this board was held on January 20, the proceedings of which were reported in HARDWARE AND METAL of a subsequent date.

CENTRAL PRISON BINDER TWINE

In the Ontario Legislature on Wednesday, Mr. Carscallen asked the following question:

Is it a fact that binder twine made by the Plymouth Cordage Company, of Plymouth, Mass., U.S.A., known as "Plymouth Special," is imported, either directly or indirectly, by the Central Prison authorities, or by any person or contractor having any rights or privileges in that institution, or by the Government, and received at the Central Prison, relabelled, and sold to farmers under the description of "Farmers' Special"?

The Provincial Secretary said that no binder twine had been imported by the Government or Central Prison. The Government did not interfere with the private business of the contractor. During nine months last year 48,850 pounds of binder twine had been manufactured at the Central Prison, a quantity about equal to that sold direct to farmers in the previous year. It was all sold. The Central Prison and Government purchased no twine from any company.

Mr. Carscallen claimed that this was not a complete answer to his question. He was imformed that this contractor had imported the Plymouth twine and sold it as "Farmers' Special," made at the Central Prison.

The Provincial Secretary replied that the contractor was bound to make four tons a day at the prison, and supply the farmers at a price fixed by the inspector. It might be that the contractor did not estimate the quantity absolutely required by the farmers, and obtained some from an outside party to supply the order. As to that, he was not able to say.

THE MARRIAGE OF MR. BIRGE.

Mr. Cyrus A. Birge, president of the Canada Screw Co., Hamilton, was married on Wednesday in Wingham to Miss Vanstone, of that place. The ceremony was performed by Rev. Dr. Perie. The happy couple are spending their honeymoon in the east.



Extract from a letter just received by The Canada Paint Company, Limited, Montreal, from Mr. A. Strachan, Hardware and Paint Merchant, Kingston, Ontario:

"By referring to your ledgers
"you will be able to ascertain
"the number of years we have
"been selling your paints.

"From the experience
"of these years and from
"actual and practical tests,
"backed by numerous testi-
"monials from our customers,
"we can confidently state that
"your Mixed Paints are
"second to none in Canada,
"and, indeed, far superior to
"any we have met with."



HEATING AND PLUMBING

PLUMBING INSPECTOR FOR OTTAWA.

AN inspector of plumbing who will work under the direction of the medical health officer, is likely to soon be appointed in Ottawa. The finance committee on Friday night heard a delegation of plumbers urge that the inspector be appointed, and the aldermen agreed to take the suggestion up.

The committee now clearly understand what steps must be taken if an inspector of plumbing is to be appointed. Such an official can only be appointed by the board of health under the Health Act, and must work under the direction of the medical health officer.

A delegation of master and journeymen plumbers asked that $700 be placed in the estimates to pay the salary of an inspector of plumbing. Messrs. F. G. Johnston and H. A. Knox, representing the masters, and Messrs. Jas. Brennan, M. M. O'Connell, F. W. Prodrick and J. Hurtubuise were the journeymen who attended.

Messrs. Knox and O'Connell were the spokesmen for the plumbers, and said Ottawa is behind the times in not having such an official. Much disease, they said, can be traced to defective plumbing, and if an inspector were appointed he could see that all work is properly done. In buildings where an architect is employed, he sees that all the work is well done, but where contractors build without an architect or competent inspector, cheap work is often put in, and when the building is in use the defects are noticed, and bad plumbing is frequently the cause of disease. Mr. Knox said the city could appoint an inspector who would keep a check on the plumbing in all buildings and who could collect a fee for his services, which fee would help to cover his salary.

City Solicitor McVeity explained the legal aspect of the matter, which is briefly that the city in 1893 passed a by-law to regulate plumbers and to appoint a plumbing inspector, but the by-law has not been enforced. The appointment of an inspector can only be made by direction of the board of health.

After a little discussion it was decided on motion of Ald. Stroud and Desjardins, to ask the council to repeal the by-law of 1893, and then the board of health may appoint the inspector.

The Public Health Act gives a sanitary inspector power to condemn unsanitary plumbing in any building, and to order sanitary work.

BUILDING IN TORONTO.

The building activity still continues in Toronto, as evidenced by the following permits taken out at the City Hall during the past week: John Robson, for a two-storey and attic brick and stone dwelling on Beatrice street, for $2,500; H. Smith, for a pair of two-storey brick dwellings on Albany avenue, for $6,000; H. J. Atkinson, for a two-storey brick addition to his dwelling on Yorkville avenue, for $400; N. V. Kuhlman, for a two-storey summer residence on Kenilworth avenue, for $1,000; Toronto Land & Insurance Co., for alterations to store on 528 Queen street west, amounting to $300; Thomas Holmes, for a one-storey and loft frame stable in rear of 106 Wells street, for $200; and Thomas Cruttenden, for a three-storey brick and stone store on the south-east corner of Sherbourne and Howard streets, for $4,000.

PLUMBING AND HEATING NOTES.

Cann & Wetmore, plumbers, Pictou, N. S., were partially burned out.

Hickey, Aubert & McGoldrick, plumbers, Montreal, are starting into business.

SOME BUILDING NOTES.

MOORE & WHITTINGTON, contractors, 159 Yates street, Victoria, B.C., are preparing to erect five modern houses on Pandora Hill, in that city.

John Moriarity will build a new brick house at Deer Park, Ont.

Flerschauer's block, Stratford, is nearing completion, one side having already been finished.

Several business firms intend putting up commodious business blocks at Qu' Appelle, Man., next summer.

John Stevenson has taken out a permit for the erection of a frame dwelling on William street, Ottawa, costing $600.

J. H. Ashdown, hardware merchant, Winnipeg, is preparing to enlarge his wholesale warehouse on Bannatyne avenue.

John Thaler is having his general store at Elmwood, Ont., thoroughly remodelled by putting in a new plate glass front and brick veneering the building.

PLUMBING AND HEATING CONTRACTS.

The Bennett & Wright Plumbing and Heating Co., Limited, Queen street east, Toronto, have secured contracts for the plumbing of a residence on Walmer Road for A. Nicholson, and the plumbing work in a store on Yonge street for Robert Barron.

WOLFVILLE'S SEWERAGE SYSTEM.

The town of Wolfville, N.S., is to have a system of sewerage put in this season, having voted $35,000 for the purpose. This town is steadily growing. According to the last Parliamentary blue book, but three towns in Nova Scotia paid a lower tax rate for general purposes, and 16 towns were higher.

THE QUESTION OF SEWAGE DISPOSAL.

CONTROLLER McMURRICH, of the Toronto City Council, has formulated a scheme for the disposal of all sewage west of Spadina avenue, Toronto, which will cost, if it is carried out, $527,400 for works, and for its operation about $12,000 per year. This is how the estimate is made up in the report of the city engineer:

"Intercepting sewer, Dufferin street to Spadina avenue, along Front street, including land damages, connections and Garrison Creek overflow, $61,500.

"Pumping station, with a capacity of 13,500,000 gallons per day, $8,500.

"Septic tanks, seven acres, including the filling in of the land on the water lots in front of Garrison Creek sewer and the cost of the purchase of two acres of land, $143,400.

"Bacteria beds, 16 acres in extent, including cribbing, filling and filtering materials, $374,000.

"The total flow of sewage in that district now is between 7,000,000 and 8,000,000 gallons. The septic tanks are to rid the sewage of all 'sludge' or solids. The effluent is then poured upon bacteria beds, where it soaks through the coke, broken stone or gravel and escapes into the lake. In the septic tanks the 'sludge' is rendered harmless to public health by the action of multitudes of bacteria which are cultivated in the septic tanks for the purpose. The material removed from the tanks, which would amount to less than 10 tons daily, may be dried and burned, carried out into the lake and dumped, or transported out to farms for use as a fertilizer."

It is further estimated by Engineer Rust that the total cost of a similar system for the whole city would amount to $1,880,000. To operate both plants would involve an expenditure of $40,000 annually. The tanks, pumping station and beds for the East End would be located on Ashbridge's Bay.



You may be looking for a Good

Pipe Hanger.

Ask us about

the "Grabler."

We send you booklet illustrating the different kinds.

The James Morrison Brass Mfg. Co.

TORONTO. Limited.

When Talking White Lead

Don't forget that **RAMSAYS EXTERIOR WHITE LEAD** is the one that pays. It pays well to handle it because the painters demand it, because it carries a positive guarantee on every package. It is the best advertised lead to-day. We furnish you with handsome little booklets and show cards to assist the sale, and other things as well. It's a money-maker. Let us quote you. It is better than pure and sells for less.



LOOK OUT FOR IMITATIONS AND OTHER SO CALLED EXTERIOR LEADS

A. Ramsay & Son
Montreal
Paint Makers — Established 1842

Canada Foundry Company
LIMITED

Architectural Iron { BEAMS, COLUMNS, CASTINGS, FIRE ESCAPES.

Waterworks Supplies { PIPES, SPECIALS, HYDRANTS, VALVES.

Railway Supplies { BRAKE SHOES, FROGS, SWITCHES.

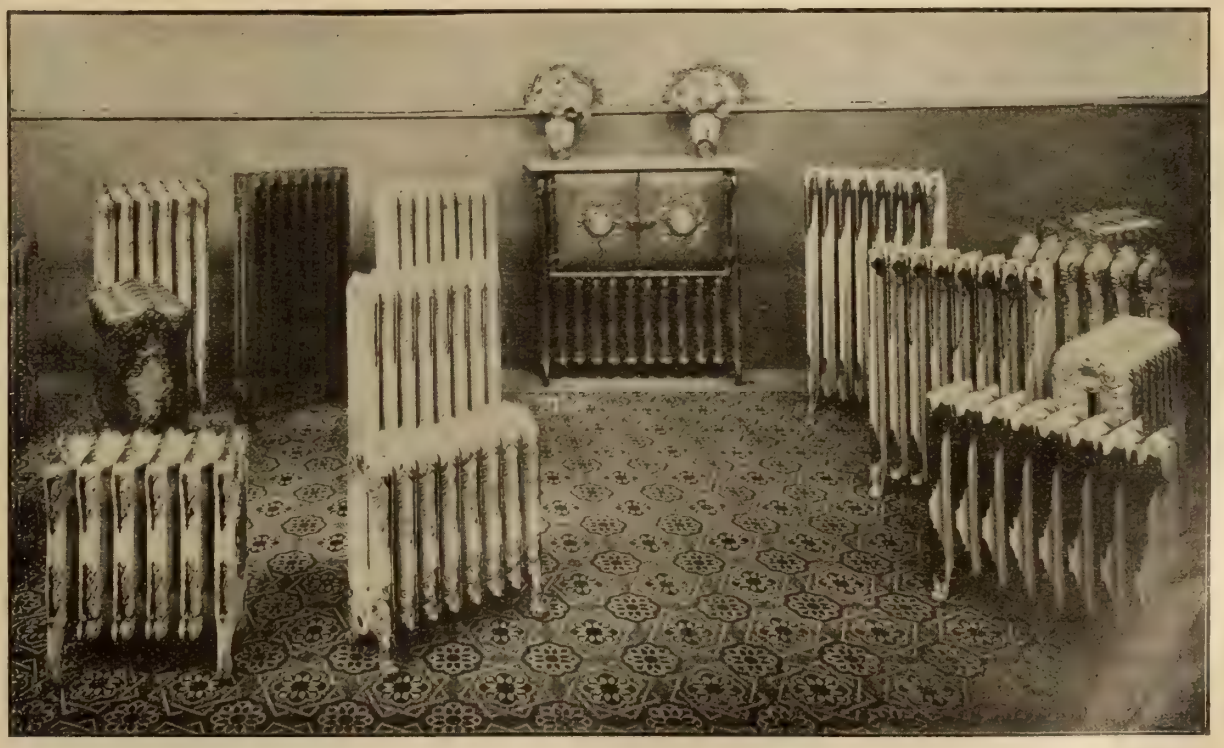
Ornamental Iron { GRILLS, FENCES, RAILINGS.

General Jobbing

HEAD OFFICE :
TORONTO, ONT.

District Offices :
Montreal, Que., Halifax, N. S., Winnipeg, Man.,
Vancouver, B. C., Rossland, B. C.

CANADA RADIATORS



THEIR USE MEANS **ECONOMY IN BOTH COST OF PLANT AND FUEL.**
Send for our Booklet, which gives full information about these Radiators.

THE FAIRBANKS COMPANY, 747 and 749 Craig St., **MONTREAL.**

THE CHANGING USE OF GAS.

By ALTON D. ADAMS.

SINCE the introduction of electric lighting, early in the decade 1880-1900, gas has grown less important as an illuminant and its application to heating has greatly increased. This movement in the use of gas is away from a field where it is less efficient than electricity, to one where its heating qualities can be used to greater advantage. An ordinary gas burner consumes about five cubic feet of gas per hour and yields a light of approximately 16-candle power. Each cubic foot of this gas burnt develops about 650 heat units, or 3,250 units per hour at the burner of 16-candle power. Incandescent electric lamps of 16-candle power regularly consume energy at the rate of 50 watts each. One watt-hour is the equivalent of 3,412 heat units, so that the incandescent lamp of 16-candle power develops 170.6 heat units hourly. It follows that the energy required to maintain the open gas flame for a given illumination is 19 times as great as that necessary in incandescent lamps for equal service.

If the electrical energy required by the incandescent lamp be supplied to a heater, the amount of heat there produced is exactly the same as the amount that would have been developed in the lamp. If the gas required for a given illumination at an open flame be burned in a gas stove, the development of heat there is fully as great as it would be at the burner. Where the gas is perfectly burned and the products are cooled before they escape the electric heater and the gas stove are equally efficient. In many cases, however, the combustion of the gas is not complete, and even where it is completed the heat is not usually extracted from these products before they escape. In the transformation of electrical energy to heat the efficiency is necessarily exactly 100 per cent., and there are no products of combustion to carry away part of the heat. For the reasons just stated the efficiency of the gas stove may easily drop 75 or even 50 per cent. If the gas stove extracts from the gas passing through it only one half of the possible amount of heat, the gas is still 9.5 times as effective as a heating as it is as a lighting agent, taking the results attained with electrical energy as unity in each case.

The general tendency is to shift the use of gas to that field where it is under the least disadvantage. This tendency is well illustrated by changes in the number of gas street lamps and of gas stoves used in Massachusetts during the past 14 years. In the accompanying table the number of gas street lamps and of gas stoves operated in each year from 1887 to 1900 are stated as deduced from the reports of the Gas and Electric Light Commissioners of Massachusetts.

GAS STREET LAMPS AND STOVES IN USE IN MASSACHUSETTS.

Year Ending June 30.	Street Lamps.	Gas Stoves.	Gas Stoves in Boston.
1887	18,990	2,378	
1888	18,335	4,003	
1889	17,260	6,328	
1890	15,493	7,418	
1891	14,107	8,666	
1892	13,324	10,795	
1893	12,971	12,880	
1894	12,700	15,877	
1895	11,701	42,563	23,881
1896	11,693	72,195	49,610
1897	11,988	78,667	53,350
1898	12,407	79,335	47,698
1899	12,876	87,201	47,635
1900	13,308	95,547	48,064

For the fiscal year of 1887 the number of gas street lamps throughout the State was 18,990, but for 1900, 13 years later, the number of these lamps was only 13,308, a decline of 30 per cent. This decrease in the number of gas street lamps took place in spite of a rapid rise of population during the period under consideration. Figures are not at hand to show the rate of increase for the population of the State since 1887, but from 1890 to 1900 this increase was 25.2 per cent. If the use of gas street lamps had only kept pace with the rise in population, the number of these lamps in 1900 would have been more than 25,000 instead of 13,308. While it is not possible to give the number of gas lamps in years prior to 1887, it seems certain that there was a constant decline during nearly all of the decade from 1880 to 1890. This view is supported by the known increase of electric street lighting during these years. In 1880 the income from electric street lamps in Massachusetts was practically nothing. For the fiscal year of 1890 the value of electric street lighting was $776,986.18, and the sum paid for gas street lighting was only 42.1 per cent. of this amount.

The lowest point reached in the number of gas street lamps was in 1896, when it fell to 11,693. Since that date the increase to 13,308 has hardly done more than maintain a constant ratio to the growing population.

Quite different from the declining use of street lamps has been the application of gas stoves. For the year 1887 the number of such stoves reported was only 2,378, while for 1900 the number was 95,547. That is, during 13 years the number of stoves reported has grown to more than forty times the original magnitude. In the seven years from 1887 to 1894, the number of stoves increased to 15,877, the average yearly addition being nearly equal to the original. During this period the reports seem to be incomplete, as figures for various large companies, notably those in Boston, were omitted. Beginning with the fiscal year of 1895 the returns seem to include nearly all important companies, and the number of gas stoves goes up to 42,563, or more than two and one-half times the reported number for the previous year. Of the stoves included in the report for 1895, 23,881, or a little more than one-half, were at Boston. Near the close of the fiscal year of 1894, one of the Boston companies, under the spur of competition, offered gas stoves to its customers on very favorable terms. This action, no doubt, had much to do with the large increase of the number of stoves in Boston in 1895 and 1896. How many stoves were put into use at Boston from 1894 to 1895 cannot be stated, but from 1895 to 1896 the number was 25,729, or more than the entire number there in 1895. During the year just considered, the number of stoves throughout the entire State, including those at Boston, increased from 42,563 to 72,195, or 29,632. It follows that the stoves added throughout the State outside of Boston numbered only 3,903, or less than one-sixth of the increase in that city. In 1896 the severe competition at Boston came to an end, and the maximum number of gas stoves there was reached in the fiscal year of 1897, when it stood at 53,350. Since the date just named this number has declined, and stood at 48,064 in 1900. At the time of severe competition stoves were installed at Boston without any charge and under contracts that titles should pass to the users when gas to a certain value had been consumed. The small decrease in the number of gas stoves used at Boston is probably due to failures of some consumers to burn enough gas to earn the stoves. Evidently the number of stoves in Boston had been pushed much beyond the normal demand.

Outside of Boston the increase has been constant and rapid, from 22,585 in 1896 to 47,483 in 1900, thus more than doubling in four years. This increase is the more instructive because it has come about simply through the natural demand. In 1897 Boston had 67 per cent. of all the gas stoves in the State, but in 1900 this had fallen to 50 per cent. Boston still has four times as many gas stoves per unit of population as the remainder of the State, since its number of inhabitants is only one-fifth of that for the entire State.—Scientific American.

SUBSCRIPTIONS POURING IN.

The Victoria, B.C., Tourists' Association is being placed on its feet by the support of all classes of citizens. Canvassers have been over about half of the city seeking subscriptions in aid of the Association, and already the sum of $2,493 has been promised. The collectors will start out in a short time. They are greatly encouraged and helped by the fact that the State of Maine last year secured through summer tourists and sportsmen the sum of $10,000,000. They are hoping for the same success out there, providing they keep the movement alive for a few years.

Island City Paint and Varnish Works

MANUFACTURERS OF THE

"ISLAND CITY" Carriage Varnishes.

"ISLAND CITY" Diamond Hard Finish.
For Floor and Inside Wainscoating.

"ISLAND CITY" Inside and Outside House Varnishes.

"ISLAND CITY" Agricultural Varnishes.

"ISLAND CITY" Floor Paints.
Dry Hard in Eight Hours.

"ISLAND CITY" Pure White Paint.
Is Non-Poisonous---Two coats cover as much as three coats of Pure Lead.

"ISLAND CITY" Pure White Lead.
Pure Decorators' Lead.

"ISLAND CITY" House Paints.
59 Artistic Shades—only purest and best materials used. Write for Sample Cards.

We make our Dry Colors—Dry Vermilions—
Dry Chrome Yellow — Golden Ochre — Dry
French Green for Blinds—Dry Chrome Green.

DRY PRUSSIAN BLUE A SPECIALTY.

P. D. DODS & CO.

MONTREAL Proprietors TORONTO

MR. J. H. MORIN has been appointed Managing Partner at our Toronto office from January 1st, 1902

OTTAWA TOURISTS' ASSOCIATION.

THE Ottawa Valley Tourist Association has been reorganized and is starting again with a new lease of life. This work was perfected at a meeting on February 11 in the Board of Trade rooms, Ottawa. Geo. F. Henderson occupied the chair, and amongst those present were: Lt.-Col. Coutlee, Lt.-Col. Hurdman, Major Brown, R. W. Shannon, John R. Reid, Andrew Holland, A. G. Pittaway, W. Lake Marler, Louis Simpson, N. E. Cormier, J. E. Walsh, King Arnoldi and others.

It was moved by W. Lake Marler and seconded by Louis Simpson that the association be organized with the following officers: Hon. presidents—Thos. Birkett, M.P., L. N. Champagne, M.P., Hon. F. R. Latchford; hon. vice-presidents, N. A. Belcourt, M.P., Charles Magee, Sir James Grant, M.D., K.C.M.G.; president, George F. Henderson; vice-presidents, C. B. Powell, M.P.P., W. E. Smallfield, mayor of Renfrew; N. E. Cormier, Aylmer, Que.; Peter White, jr., mayor of Pembroke; Colin Rankin, Mattawa, Que.; Mayor Cook; hon. treasurer, W. L. Marler, manager Merchants Bank, Ottawa; hon. secretary, A. M. Calderon, Ottawa; assistant secretary, G. A. White, Ottawa.

General Committee — A. E. Riddell, Galetta, Ont.; A. P. Logue, Maniwaki, Que.; R. G. Moles, Arnprior, Ont.; R. W. Shannon, Ottawa; J. R. Reid, Ottawa; W. H. Rowley, Ottawa; J. E. Walsh, Ottawa; C. Ross, Ottawa; Geo. Duncan, Ottawa; McLeod Stewart, Ottawa; H. Morrison, Ottawa; R. H. Haycock, Ottawa; F. W. Carling, Ottawa; F. X. St. Jacques, Ottawa; H. J. Gardiner, Ottawa; S. R. Poulin, Ottawa; A. Holland, Ottawa; Lieut.-Col. Hurdman, Ottawa; W. M. Southam, Ottawa; W. D. Morris, Ottawa; Ald. P. D. Ross, Ottawa; Lieut.-Col. Sherwood, Ottawa; Major Brown, Ottawa; A. A. Dion, Ottawa; D. E. Johnson, Ottawa; D'Arcy Scott, Ottawa; Louis Simpson, Ottawa; E. A. Olver, Ottawa; Ald. Payment, Ottawa; A. E. Palmer, Ottawa; W. A. Allan, Ottawa; Cecil Bethune, Ottawa; Lieut.-Col. Coutlee, Ottawa; Warden Cummings; A. G. Pittaway, Ottawa; Major Echlin, Ottawa; Henry C. Monk, Ottawa; C. A. Douglas, Ottawa; Ald. Sanderson, Ottawa; Lieut.-Col. Jarvis, Ottawa; Capt. Gorrell, King Arnoldi.

J. E. Walsh spoke of the Fish and Game Association, which met in Burlington recently and will meet in Ottawa next winter. He thought that a committee would have considerable benefit in distributing literature illustrating the beauties of the Ottawa Valley. He mentioned that the Canada Atlantic had spent on such work last year $9,000 in the United States, and the C.P.R. and other lines had done similar work also.

N. E. Cormier said that he realized that Ottawa was the gateway of the best game and fish district in the country.

R. W. Shannon explained how the Ottawa City Council had failed to donate the $1,000 asked for last year towards the work of the Association. He pointed out that the St. John Tourist Association had received a grant of $1,000 from the Provincial Government, and sufficient from the St. John merchants and council to bring up their funds in hand to $3,000 for the year. They had distributed 25,000 booklets and 25,000 picture postcards.

A committee was appointed to consider the question of a summer carnival of games, sports and tournament at Ottawa for 1902. A committee was also appointed to consider the resolution that was carried to the effect that it would be advisable to have a concentration of troops and a review at Ottawa some time in the year.

A committee will inquire into the suggestion that a characteristic stationery and literature would be of much value.

The following were appointed to the central executive committee: George F. Henderson, C. B. Powell, E. E. Smallfield, Major Brown, Ald. P. D. Ross, Mayor Cook, A. Holland, A. M. Calderon, Peter White, N. E. Cormier, E. A. Riddle, C. A. Douglas and C. E. E. Usher.

On motion, the executive were instructed to prepare a plan of finance and to draft a constitution and by-laws for the next meeting.

HALIFAX RETAILERS ORGANIZE.

ALTHOUGH only a few days have elapsed since the early-closing movement in Halifax began, considerable progress has already been made, and the result has been the formation of a retail merchants' association to complete the work. On February 5, a representative meeting was held, at which a number were present, to complete work of the organization, adopt a constitution and receive reports as to the workings of this movement. Different phases of the movement were discussed by a number of merchants, who all were in the fullest sympathy with the early-closing idea. A. W. Redden occupied the chair, and W. E. Webb was secretary.

When the meeting was finally called to order, William Crowe reported on behalf of a committee appointed to prepare a constitution and by-laws. The constitution states that the organization is to be known as the Halifax Retail Merchants' Association, which has for its object early closing and the discussion of all matters of interest to the various branches of trade represented in its members. Rules were adopted for the enrolment of members, election of officers, annual fees, duties of officers, date of regular meetings and other necessary matters.

The officers elected for the present year are as follows:

President—A. W. Redden.
Vice-Presidents—J. F. Colwell and H. L. Hart.
Secretary—W. E. Hebb.
Treasurer—F. P. Hayden.
Executive Committee—J. H. Emmett, W. J. Power, James Farquhar, J. J. Skerry, J. L. Archibald, W. E. Crowe, James Halliday, John Connolly, W. H. Merlin and Charles S. Lane.

Apollo galvanized iron is all alike; if not, send back to your jobber at our expense—we shall hear of it.

American Sheet Steel Company, New York

Representatives for Canada
B. & S. H. Thompson & Company
26 St. Sulpice Street
Montreal

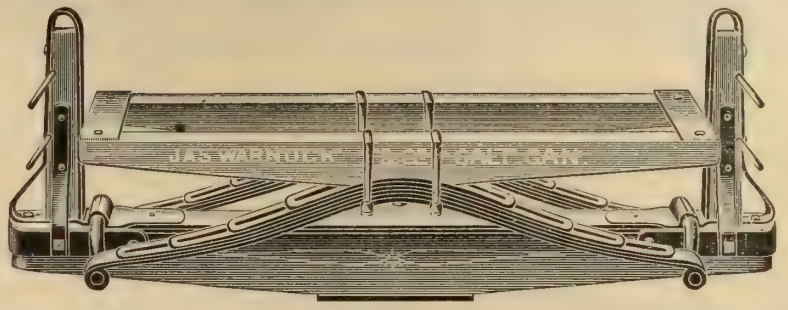
"MIDLAND"
BRAND
Foundry Pig Iron.

Made from carefully selected Lake Superior Ores, with Connellsville Coke as fuel, "Midland" will rival in quality and grading the very best of the imported brands.

Write for Prices to Sales Agents

Drummond, McCall & Co.
or to MONTREAL, QUE.
Canada Iron Furnace Co.
MIDLAND, ONT. Limited

"The Peerless"
is the best Bolster Spring ever produced. A fine line for the hardware trade. Write Us For Prices.



James Warnock & Co. = Galt, Ont.

CURRENT MARKET QUOTATIONS.

February 21, 1902.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag and Straits—		
56 and 28 lb. ingots, 100 lb.	28 00	29 00

Tinplates.

Charcoal Plates—Bright		
M.L.S., equal to Bradley		Per box
I.C., usual sizes		$6 75
I.X., "		8 25
I.X.X., "		9 75
Famous—		
I.C.		6 75
I.X		8 25
I.X.X		9 75
Raven & Vulture Grades—		
I.C., usual sizes		5 00
I.X., "		6 00
I.X.X "		7 00
I.XXX., "		8 00
D.C., 12½x17		4 50
D.X		5 25
D.X.X		6 00
Coke Plates—Bright		
Bessemer Steel—		
I.C., usual sizes		4 00
I.C., special sizes, base		4 50
20 x 28		8 50
Charcoal Plates—Terne		
Dean or J. G. Grade—		
I.C., 20x28, 112 sheets		8 50
I.X., Terne Tin		10 50
Charcoal Tin Boiler Plates		
Cookley Grade—		Per lb.
X X., 14x56, 50 shee bxs		
" 14x60, "		0 06½
" 14x65, "		
Tinned Sheets		
72x30 up to 24 gauge		0 07½
" 26 "		0 08

Iron and Steel.

Common Bar, per 100 lbs	1 95	2 05
Refined " "		2 45
Horse Shoe Iron "		2 40
Hoop steel, 1½ to 3 in. base,		3 10
Sleigh Shoe Steel " base		2 10
Tire Steel	2 30	2 50
Reeled Machinery		3 00
Toe Calk Steel	2 85	3 00
T. Firth & Co's tool steel, per lb	0 12½	0 13
Jessop's tool Steel		0 14
Morton's tool steel	0 12½	0 13
Black Diamond and "B.C." tool steel	0 10	0 11
Chas. Leonard's tool steel	0 08	0 09
Drill Steel, per lb	0 08	0 10

Boiler Tubes.

1½-inch		0 12½
"		0 13
2½ "		0 15
3 "		0 16
3½ "		0 20
4 "		0 25

Steel Boiler Plate.

¼ inch	2 50	2 60
5-16 inch	2 60	2 70
⅜ inch and thicker	2 50	2 60

Black Sheets.

	Com.	D.Fl.
18 gauge	2 85	3 00
20 gauge	2 85	3 00
22 to 24 "	2 95	3 25
26 "	3 05	3 50
28 "	3 15	

Canada Plates.

All dull, 52 sheets		3 00
Half polished		3 10
All bright		3 75

Iron Pipe.

Black pipe—

	Per 100 Feet.
⅛ inch	4 65
¼ "	3 40
⅜ "	3 45
½ "	3 70
¾ "	3 85
1 "	5 40
1¼ "	7 70
1½ "	9 20
2 "	12 50
2½ "	24 00
3 "	28 00
3½ "	36 00
4 "	43 00
4½ "	50 00
5 "	57 00
6 "	73 00

Galvanized pipe—

⅛ inch	5 15
¾ "	5 50
1 "	7 95
1¼ "	10 80
1½ "	12 95
2 "	17 35

5 p. c. off to preferred buyers.

Galvanized Sheets.

	G C. Comet.	Amer.	Queen's Head.
16 gauge			
18 to 24 gauge	4 05	3 75	4 05
26 "	4 25	4 00	4 25
28 "	4 50	4 25	4 50

Less than case lots 10 to 15c. extra.
28 gauge American equals 26 gauge English.

Chain.

Proof Coil, 3-16 in., per 100 lb				
"	¼	" "	7 85	8 10
"	5-16	" "	4 95	5 25
"	⅜	" "	4 35	4 60
"	7-16	" "	4 15	4 40
"	½	" "	4 00	4 25
"	9-16	" "	3 90	4 15
"	⅝	" "	3 80	4 05
"	¾	" "	3 85	4 10

Halter kennel and post chains, 40 to 40 and 5 p.c.
Cow ties 40 p.c.
Tie-out chains 65 p.c.
Stall fixtures 35 p.c.
Trace chain 45 p.c.
Jack chain, iron, single and double, discount 35 p c.
Jack chain, brass, single and double, discount 40 p.c.

Copper.

	Ingot	Per 100 lb.
English B. S., ton lots		15 00
Lake Superior		
Bars.		
Cut lengths round, ½ to ⅞ in.	23 00	25 00
" " round and square 1 to 2 inches	23 00	25 00
Sheet.		
Plain, 14 oz., and light, 16 oz., 14x48 and 14x60	22 00	22 50
Plain, 14 oz., and light, 16 oz., irregular sizes	22 50	23 00
Tinned copper sheets		24 00
Planished		32 00
Brazers (In sheets.)		
4x6 ft. 25 to 30 lbs ea., per lb.		0 23
" 35 to 45 " "		0 22
" 50-lb. and above, "		0 21
Boiler and T. K. Pitts		
Plain Tinned, per lb		0 28
Spun, per lb		0 32

Copper Ware.

Discount, 50 per cent.

Brass.

Rod and Sheet, 14 to 30 gauge, 15 per cent.

Sheets, hard-rolled, 2x4	0 23
Tubing, base per lb	0 23½

Zinc Spelter

Foreign, per lb	5 50	6 00
Domestic "		

Zinc Sheet.

5-cwt casks	6 00	6 25
Part casks	6 25	6 50

Lead.

Ported Pig, per 100 lb	3 50	3 75
Bar, 11b		0 05
Sheets, 2½ lbs. sq. ft., by		0 06¼
Sheets, 3 to 6 lbs., "		0 06

NOTE.—Cut sheets ⅛ cent per lb. extra.
Pipe, by the roll, usual weights per yard, lists at 7c. per lb. and 35 p.c. dis. f.o.b. Toronto.
NOTE.—Cut lengths, net price, waste pipe 3-ft. lengths lists at 7½ cents.

Shot.

Common, $6.50 per 100 lb.; chilled, $7.00 per 100 lb.; buck, seal and ball, $7.50. Discount, 22½ p.c. Prices are f.o.b. Toronto, Hamilton, Montreal, St. John and Halifax. Terms 3 per cent. cash, freights equalized.

Soil Pipe and Fittings.

Discount, 60 and 10 per cent. on medium and extra heavy, and 60 per cent. on light.

Solder.

	Per lb.	Per lb.
Bar half-and-half, guarant'd		0 19
Bar half-and-half, commer'l		0 18½
Refined		0 18
Wiping		0 17½

Antimony.

Cookson's, per lb		0 10

White Lead.

	Per 100 lb.
Pure	5 87½
No. 1	5 50
No. 2	5 12½
No. 3	4 75
No. 4	4 37½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B B. Genuine	7 00
" " No. 1	6 00

Red Lead.

Genuine, 560 lb. casks, per cwt.	$4 75
Genuine, 100 lb. kegs, per cwt.	5 00
No. 1, 560 lb. casks, per cwt.	4 25
No. 1, 100 lb. kegs, per cwt	4 50

White Zinc.

Extra Red Seal	0 06	0 08
No. 1	0 05½	0 07
No. 2	0 05	0 06

Dry White Lead.

Pure, casks	5 25
Pure, kegs	5 50
No. 1, casks	5 00
No. 1, kegs	5 25

Prepared Paints.

In ¼, ½ and 1 gallon tins.

Pure, per gallon		1 25
Second qualities, per gallon		1 10
Barn (in bbls.)	0 60	0 90
The Sherwin-Williams Paints		1 40
Canada Paint Co's Pure		1 25
Toronto Lead & Color Co's Pure		1 25
Sanderson Pearcy's Pure		1 20
Stewart & Wood's Champion Pure		1 20

Colors in Oil.

25 lb. tins, Standard Quality.

Venetian Red, per lb	0 04½	0 06
Chrome Yellow	0 12	0 14
Golden Ochre	0 08	0 10
French "		0 06
Marine Black		0 09
Chrome Green		0 10
French Imperial Green		0 12
Sign Writers' Black		0 16
Burnt Umber		0 11
" Sienna		0 11
Raw Umber		0 11
" Sienna		0 11

Colors, Dry.

Common Ochre bbls	1 20	1 30
Yellow Ochre J.F.L.S., bbls		2 00
Yellow Ochre (La Belle)	1 15	1 25
Brussels Ochre		2 00
Venetian Red (best), bbl	1 75	2 00
English Oxides, per cwt	3 00	3 25
American Oxides, bbls	1 25	2 00
Canadian Oxides, 1 bls	1 25	1 75
Super Magnetic Oxides, 93p.c.	2 00	2 25
Burnt Sienna, pure, per lb		0 10
" Umber, " "		0 10
Raw do		0 09
Drop Black, pure		0 09
Chrome Yellows, pure		0 18
Chrome Greens, pure, per lb.	0 19	0 10
Golden Ochre	0 04	0 05
Ultramarine Blue in 28-lb. boxes, per lb	0 06	0 18
Fire Proof Mineral, per 100 lb		1 00
Genuine Eng. Litharge, per lb		0 07
Mortar Color, per 100 lb	1 25	1 50
Pure Indian Red, No. 45 lb.	0 18	0 10
Whiting, bbl	0 55	0 60
English Vermillion in 50-lb. bags		0 95

Paris Green.

	per lb.
Petroleum Casks	
Arsenic Kegs	
50-lb. and 100-lb. drums	
25-lb. drums	
1-lb packages	
½-lb. do	
1-lb. tins	
½-lb do	

F. O. B. Toronto. Terms—3 p. c. off 30 days, or 4 mos. from date of de ivery.

Blue Stone.

Casks, for spraying, per lb	0 07
100-lb. lots, do. per lb	0 08

Putty.

Bulk in bbls.	1 90
Bulk in less quantity	2 05
Bladders in bbls	2 25
Bladders in kegs, boxes or loose	2 40
Bladders in 25-lb. tins	2 35
Bladders in 12½-lb. tins	2 65
Bladders in bulk or tins less than 100 lb	2 90

Varnishes.

In 5-gal. lots.	Per gal.	net.
Carriage, No. 1	1 50	1 60
Pale Durable body	4 10	4 25
" rubbing	2 85	3 00
Gold Size, Japan	2 85	3 00
No. 1 Brown Japan		0 85
Elastic Oak		1 50
Furniture, extra		1 25
" No. 1		0 85
Hard Oil Finish	1 65	1 75
Light Oil Finish	1 40	1 60
Demar	1 70	1 80
Shellac, white	2 3	2 45
" orange	2 25	2 35
Turpentine Brown Japan		1 25
" Black Japan	0 85	0 90
" No. 1	0 70	0 75

Elastilite Varnish 1 gal. can, each, $3 00.
Granitine Floor Finish per gal., $2.75.

Maple Leaf Coach Enamels: Size 1, $1 20 Size 2, 70c.; Size 3, 40c. each.

Castor Oil

East India, in cases, per lb	0 09½	0 10
" " small lots	0 10	0 10½

Cod Oil, Etc.

Cod Oil per gal	0 50	0 55
Pure Olive		1 20
" Neatsfoot		90

Glue.

Common	0 08½	0 09
French Medal	0 14	0 15
Cabinet sheet	0 12	0 13
White, extra	0 18	0 20
Gelatine	0 22	0 30
Strip	0 18	0 20
Coopers	0 19	0 20
Huttner		0 18

JOSEPH RODGERS & SONS Limited

SHEFFIELD, ENGLAND.

Each blade of our Goods bears the exact mark here represented.

REGISTERED TRADE MARK. GRANTED 1682

JAMES HUTTON & CO., MONTREAL SOLE AGENTS IN CANADA.

HARDWARE.

Ammunition.

Cartridges.

B. B Caps Dom. 50 and 5 per cent
Rim Fire Pistol, dis. 40 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Central Fire Pistol and Rifle, 10 p.c. Amer.
Central Fire Cartridges, pistol sizes Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 per cent.
Central Fire, Military and Sporting, Amer. add 5 p.c. to list. B.B. Caps, discount 40 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 10 p c. advance on list.
Brass shot Shells, 55 per cent.
Primers, Dom., 30 per cent.; American, $1.67.

Wads	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ¼-lb. bags	70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	

Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 20 per cent.

Anvils.

Wright's, 80-lb. and over	0 10¾
Hay Budden, 80-lb. and over	0 09¼
Brook's, " " "	0 11¼

Augers.

Gilmour's, discount 65 and 5 p.c. off list.

Axes.

Chopping Axes		
Single bit, per doz	5 50	10 00
Double bit, "	11 00	18 00
Bench Axes, 40 p.c.		
Broad Axes, 25 per cent.		
Hunters' Axes	5 50	6 00
Boy's Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Axle Grease.

Ordinary, per gross	5 75	6 00
Best quality	13 00	15 00

Bath Tubs.

Zinc	6 00

Copper, discount 15 p.c. off revised list

Baths.

Standard Enameled.

5½-inch rolled rim, 1st quality	25 00
" " " 2nd "	21 00

Anti-Friction Metal.

"Tandem" A. per lb.	0 27
" B. "	0 21
" C. "	0 11½
Magnolia Anti-Friction Metal, per lb.	0 25
Frictionless metal, per lb	0 23

SYRACUSE SMELTING WORKS.

Aluminum, genuine	0 41
Dynamo	0 27
Special	0 22
Aluminum, 99 p.c. pure "Syracuse"	0 45
Phosphorine anti-friction metal	0 25

Bells.

Hand.

Brass, 60 per cent.
Nickel, 55 per cent

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Door.

Gongs, Sargant's	5 50	8 00
" Peterboro', discount 45 per cent.		

Farm.

American, each	1 25	3 00

House.

American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00
Blacksmiths', discount 40 per cent.		

Belting.

Extra, 60 per cent.
Standard, 60 and 10 per cent.
No. 1, not wider than 6 in., 50 10 and 10 p.c.
Agricultural, not wider than 4 in., 75 p c.

Bits.

Auger.

Gilmour's, discount 60 and 5 per cent.
Rockford, 50 and 10 per cent.
Jennings' Gen., net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind and Bed Staples.

All sizes, per lb	0 07¾	0 12

Bolts and Nuts.

	Per cent.
Carriage Bolts, common ($1 list)	55 and 5
" " full square ($2.40 list)	60 and 5
" " Norway iron ($3 list)	60 and 5
Machine Bolts, all sizes	55 and 5
Plough Bolts	55 and 5
Blank Bolts	60
Bolt Ends	60
Sleigh Shoe Bolts	70
Coach Screws, cone point	70
Nuts, square, all sizes, 3¾c per lb. off.	
Nuts, hexagon, all sizes, 4c. per lb. off.	
Stove rods, per lb. 5½ to 6c.	
Nuts, in 50 lb. lots ¼c. per lb extra, in less than 50 lb lots, ½c. extra.	

Boot Calks.

Small and medium, ball, per M	4 25
Small heel, per M	4 50

Bright Wire Goods.

Discount 62½ per cent

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent

Henis, No. 8, "	6 00
Henis, No. 9, "	7 00
Queen City "	7 50 0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Building Paper, Etc.

Tarred felt, per 100 lb	1 70
Ready roofing, 2-ply, not under 45 lb. per rol	85
Ready roofing, 3-ply, not under 65 lb. per roll	1 10
Carpet felt, per ton	45 00
Dry sheathing, per roll, 400 sq ft	30
Tar sheathing, " " "	40
Dry fibre " " "	50
Tarred fibre, " " "	60
O.K. & I.X.L., " " "	65
Resin-sized, " " "	40
Oiled sheathing, " 600 "	1 10
" " " 400 "	70
Roof coating, in barrels, per gal	17
" " small packages	25
Refined tar, per barrel	4 50
Coal tar, "	4 00
Coal tar, less than barrels, per gal	15
Roofing pitch, per 100 lb	85

Bull Rings.

Copper, $2.00 for 2½ in. and $1.90 for 2 in.

Butts.

Wrought Brass net revised ist.

Cast Iron.

Loose Pin, dis., 60 per cent.

Wrought Steel

Fast Joint, dis. 65, 10 and 2½ per cent.
Loose Pin, dis. 65, 10 and 2½ per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.
Gen. Bronzed, per pair | 0 40 | 0 65

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	....

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	8 50	9 50

Cement.

Canadian Portland	2 25	2 75
English "	3 00	3 15
Belgian "	2 50	2 75
Canadian hydraulic	1 25	1 50

Chalk.

Carpenters Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 70 per cent.
Warnock's, dis. 70 per cent.
P. S. & W. Extra 60, 10 and 5 p.c.

Churns.

Revolving Churns, metal frames—No. 0, $8—No. 1, $8.50—No. 2, $9.00—No. 3, $10.00—No. 4, $12.00—No. 5, $16.00 each. Ditto, wood frames—20c. each less than above. Discounts: Delivered from factories, 56 p.c.; from stock in Montreal, 54 p.c. Terms, 4 months or 3 p.c. cash in 30 days

Clips.

Axle dis. 65 per cent.

Closets

	Net.
Plain York or Ontario Syphon Jet.	$9 60
Emb. York or Ontario Syphon Jet.	10 20
Fittings	1 00
Plain Elgin or Teu. Syphon Washout	6 00
Emb. Elgin or Teu. Syphon Washout	6 60
Fittings	1 25
Low Down Elgin or Teutonic, plain	9 60
" " " " emb.	10 20
Plain Richelieu	4 00
Emb. Richelieu	4 25
Connections	1 25
Low Down Ont. Sy. Jet, plain	11 70
" " " " emb'd.	12 30
Closet connection	1 25
Basins P.O., 14 in.	0 70
" oval, 17 x 14 in.	1 50
" " 19 x 15 in.	2 25

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Cradles, Grain.

Canadian, dis. 25 to 33⅓ per cent.

Crosscut Saw Handles.

S. & D., No. 3, per pair	17½
" " 5, "	22½
" 6, "	15
Boynto pattern "	20

Door Springs.

Torrey's Rod, per doz	(15 p.c.)	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Coach and Wagon, dis. 50 and 10 per cent
Carpenters, dis. 70 per cent.

Drills.

Hand and Breast

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis., 37½ to 40 per cent.
Standard dis. 50 and 5 to 55 per cent.

Faucets.

Common, cork-lined, dis. 35 per cent.

ELBOWS. (Stovepipe.)	per doz.
5 and 6-inch, common	1 20
7-inch	1 35

Polished, 15c. per doz. extra.

ESCUTCHEONS.

Discount, 45 per cent.

ESCUTCHEON PINS.

Iron, discount 40 per cent.

FACTORY MILK CANS.

Discount off revised list, 40 per cent.

FILES AND RASPS.

Great Western	70 and 10 per cent.	
Arcade	70 " 10	"
Kearney & Foot	70 " 10	"
Disston's	70 " 10	"
American	70 " 10	"
J. Barton Smith	70 " 10	"
McClellan	70 " 10	"
Eagle	70 " 10	"
Nicholson, 60 and 10 to 60, 10 and 5		"
Royal	80	"
Globe	70 to 75	"

Black Diamond, 60 and 10 to 60, 10 and 5 p.c.
Jowitt's, English list, 25 to 27½ per cent.
Nicholson File Co 's "Simplicity" file handle per gross, 85c. to $1.50.

GLASS—Window—Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	D. Diamond Per 50 ft.	D. Diamond Per 100 ft.
Under 26	2 20	4 25	....	6 25
26 to 40	2 40	4 65	....	6 75
41 to 50	....	5 10	....	7 50
51 to 60	....	5 35	....	8 50
61 to 70	....	5 75	....	9 75
71 to 80	....	6 25	....	11 00
81 to 85	....	7 00	....	12 55
86 to 90	....	7 75	..	15 00
91 to 95	..	....	...	17 50
96 to 100	.. ..	....	....	20 50
101 to 105	....	....	....	24 00
106 to 110	....	....	....	27 50

GAUGES

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's, Nos. 26 to 33, each	1 65	2 40

HALTERS.

Rope, ⅜ per gross	....	....
" ½ "	....	9 00
" ⅝ to ¾ "	....	14 00
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

Maydole's, dis. 5 to 10 per cent. Can. dis. 25 to 27½ per cent.

Tack.

Magnetic, per doz	1 10	1 20

Sledge.

Canadian, per lb	0 07½	0 08¾

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz. net	1 50	2 00
Store door, per doz	1 00	1 50

Fork.

C. & B., dis. 40 per cent. rev. list.

Hoe.

C. & B., dis. 40 per cent. rev. ist.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 75

Hammer and Hatchet.

Canadian, 40 per cent.

Cross-Cut Saws.

Canadian, per pair	0 13¾

HANGERS.

	doz. pairs.	
Steel barn door	5 85	6 00
Stearns, 4 inch	....	5 00
" 5 inch	....	6 50
Lane's covered—		
No. 11, 5-ft. run	....	8 40
No. 11½, 10-ft. run	....	10 80
No. 12, 10-ft. run	....	12 60
No. 14, 15-ft. run	....	21 00
Lane's O.N.T. track, per foot	....	4½

HARVEST TOOLS.

Discount, 70 per cent.

HATCHETS

Canadian, dis. 40 to 42½ per cent.

FOR THE STREET



THE TRADE "M&M" MARK LIGHT



FOR THE STORE

What "M & M" Lamps Do.

They give a stronger, whiter, steadier light than the electric arc. Operate easily, safely, satisfactorily. Save money—actual 600 candle-power light at a cost of one-half cent an hour. Think of it! Write for circulars, etc. GOOD AGENTS WANTED. Exclusive territory allowed.

ACORN BRASS WORKS,
Dept. 8, 15-23 Jefferson Street CHICAGO, ILL.

What "M & M" Lamps Save.

Barrett Hardware Co, Joliet, Ill, write: "Gasoline and supplies for six "M & M" Lamps cost us $45.46 last year, an average of 60c. a month per lamp. We believe we had as good a light as though we had six electric arc lights at a cost of $360." No wonder that over 30,000 "M & M" Lamps are in use all over the United States and Canada. THEY KILL BIG GAS AND ELECTRIC LIGHT BILLS. It will pay you to investigate. Write for circulars. AGENTS WANTED. Dept. 8, 15-23 Jefferson St., Chicago.

HINGES.

Blind, Parker's, dis. 50 and 10 to 60 per cent.
Heavy T and strap, 4-in., per lb.... 0 06½
" " 5-in., " 0 06¼
" " 6-in., " 0 06
" " 8-in., " 0 05¾
" " 10-in., " 0 05½
Light T and strap, dis. 65 and 5 per cent.
Screw hook and hinge—
6 to 10 in., per 100 lbs.... .... 4 25
12 in. up, per 100 lbs..... .... 3 25
Per gro. pairs
Spring..... .... 12 00

HOES.

Garden, Mortar, etc., dis. 50 and 10 p.c.
Planter, per doz..... 4 00 4 50

HOLLOW WARE

Discount,..... 45 and 5 per cent.

HOOKS.

Cast Iron.

Bird Cage, per doz.....	0 50	1 10
Clothes Line, per doz.....	0 27	0 63
Harness, per doz.....	0 72	0 88
Hat and Coat, per gross.....	1 00	3 00
Chandelier, per doz.....	0 50	1 00

Wrought Iron.
Wrought Hooks and Staples, Can. dis. 47½ per cent.

Wire.
Hat and Coat, discount 45 per cent.
Belt, per 1,000 ..... 0 60
Screw, bright, dis. 55 per cent.

HORSE NAILS.

"C" brand 50 and 7½ p.c. off new list } Oval-
"M" brand 50, 10 and 5 per cent. } head
Countersunk, 60 per cent.

HORSESHOES.

Iron Shoes.	F.O.B. Montreal. No. 2 and larger.	No. 1. and smaller.
Light, medium and heavy...	3 50	3 75
Snow shoes.....	3 75	4 00
Steel Shoes.		
Light.....	3 60	3 85
Featherweight (all sizes).....	4 85	4 85

F.O.B. Toronto, Hamilton, London and Guelph, 10c. per keg additional.
Toe weight steel shoes..... 6 70

JAPANNED WARE.

Discount, 45 and 5 p.c. off list, June 1899.

ICE PICKS.

Star per doz..... 3 00 3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.
Copper, per lb..... 0 30 0 50
American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 45 p.c.
Cabinet, trunk, and padlock, Am. per gross 60

KNOBS.

Door, japanned and N.P., per doz..... .... 1 50 2 50
Bronze, Berlin, per doz..... 2 75 3 25
Bronze Genuine, per doz.... 6 00 9 00
Shutter, porcelain, F. & L screw, per gross 1 30 4 00
White door knobs—per doz. 1 25

HAY KNIVES.

Discount, 50 and 10 per cent.

LAMP WICKS.

Discount, 60 per cent.

LANTERNS.

Cold Blast, per doz..... 7 00
No. 3 "Wright's"..... 8 50
Ordinary with O burner..... 4 00
Dashboard, cold blast..... 9 00
No. 0..... 5 75
Japanning, 50c. per doz. extra

LEMON SQUEEZERS.

Porcelain lined, ...per doz.	2 20	5 60
Galvanized.....	1 87	3 85
King, wood.....	2 75	2 90
King, glass.....	4 00	4 50
All glass.....	1 20	1 30

LINES.

Fish per gross.....	1 05	2 50
Chalk "	1 90	7 40

LOCKS.

Canadian, dis. 45 p.c.
Russel & Erwin, per doz.... 3 00 3 25
Cabinet.
Eagle, dis. 30 p.c.

Padlock.

English and Am. per doz....	50	6 00
Scandinavian, "	1 00	2 40

Eagle, dis. 20 to 25 p.c.

MACHINE SCREWS. Iron and Brass.

Flat head discount 25 p.c.
Round Head discount 20 p.c.

MALLETS.

Tinsmiths' per doz.....	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz..	3 85	5 00
Caulking each.....	60	2 00

MATTOCKS.

Canadian, per doz..... 5 50 6 50

MEAT CUTTERS.

American, dis. 25 to 30 p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are:	Cut.	Wire.
2 d and 3d	$3 35	$3 55
3 d	3 00	3 22
4 and 5d..... ..	2 75	3 05
6 and 7d.....	2 65	2 90
8 and 9d.....	2 50	2 70
10 and 12d.....	2 45	2 65
16 and 20d.....	2 40	2 60
30, 40, 50 and 60d. (base).....	2 35	2 55

Wire nails in carlots are $2 50
Galvanizing 2c. per lb. net extra.
Steel Cut Nails 10c. extra.
Miscellaneous wire nails, dis. 75 p.c.
Coopers' nails, dis. 30 per cent.
Flour barrel nails, dis. 25 per cent

NAIL PULLERS.

German and American.....	1 85	3 50

NAIL SETS.

Square round, and octagon per gross.....	3 38	4 00
Diamond.....	12 00	15 00

POULTRY NETTING.

2-in. Mesh, 19 w.g., dis. 61 p.c.
2- n. Mesh, 18 w.g. and heav er, 50 and 10 p.c.

OAKUM. Per 100 lb.

Navy	6 00
U.S. Navy.....	7 25

OIL.

Water White (U.S.)	0 16½
Prime White (U.S.)	0 15½
Water White (Can.)	0 15
Prime White (Can.)	0 14

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal. per doz..... .... 10 00
Zinc and tin, dis. 50, 50 and 10.
Copper, per doz..... 1 25 3 50
Brass, " 1 50 3 50
Malleable, dis. 25 per cent.

GALVANIZED PAILS.

Dufferin pattern pails, dis. 45 p.c.
Flaring pattern, discount 45 per cent.
Galvanized washtubs discount 45 per cent.

PIECED WARE.

Discount 40 per cent. off list, June, 1899.
10-qt. flaring sap buckets. dis. 40 p.c.
6, 10 and 14-qt. flaring pails, dis. 40 p.c.
Creamer cans, dis. 40 p.c.

PICKS.

Per doz..... 6 00 9 00

PICTURE NAILS.

Porcelain head, per gross...	1 75	3 00
Brass head "	0 40	1 00

PICTURE WIRE.

Tin and gilt, discount 75 p c.

PLANES.

Wood, bench, Canadian dis. 40 per cent. American dis. 50.
Wood, fancy Canadian or American 7½ to 40 per cent.

PLANE IRONS.

English, per doz.....	2 00	5 00

PLIERS AND NIPPERS.

Button's Genuine per doz pairs, dis. 40 p.c.	37½	
Button's Imitation, per doz..	5 00	9 00
German, per doz.....	0 60	2 60

PLUMBERS' BRASS GOODS.

Standard Compression work, dis. 60 p.c.
"J.M.T." Cushion work, dis. 50 p.c.
Fuller work, dis. 65 p.c.
6 doz. lots and over of the above, extra dis. 10 p c.
Rough Stops and Stops and Wa hers, dis. 60 p c. With, in lots of 2 doz. and over, an extra dis. of 10 p.c.
"J.M.T." Globe, Agnle and Check Valves, dis 55 p.c.
Standard Globe, Angle and Check Valves, dis. 60 p.c.
"J.M.T." Radiator Valves, dis. 55 p c.
Standard " " " dis., 60 p.c.
Patent Quick Opening Valves, dis. 65 p.c. and 10 p.c
No. 1 compression bath cock, net .. 2 00
No. 4 " " " 2 00
No. 7, Fuller's..... 2 20
No 4½, " 2 35
Patent Compression Cushion, basin cock, hot and cold. per doz. 15 00
Patent Compression Cushion, bath cock, No. 2208..... 2 25

POWDER.

Velox Smokeless Shotgun Powder.
100 lb. or less..... ..... 0 85
1,000 lb. or more..... ..... 0 80
Net 30 days.

PRESSED SPIKES.

Discount 25 per cent.

PULLEYS.

Hothouse, per doz.....	0 55	1 00
Axle.....	0 22	0 33
Screw.....	0 27	1 00
Awning.....	0 35	2 50

PUMPS.

Canadian cistern.....	1 80	3 60
Canadian pitcher spout.....	1 40	2 10

PUNCHES.

Saddlers', per doz.....	1 00	1 85
Conductors' "	9 00	15 00
Tinners', solid. per set.....	0 00	0 72
" hollow per inch	0 00	1 00

RANGE BOILERS. Net.

Dominion, 35 "	6 75
" 40 "	7 75
Ronald's Galvanized, 30 gallons	6 50
" " 35 "	7 50
" " 40 "	8 50
Copper, 30 gallons.....	25 00
" 35 "	29 00
" 40 "	33 00

RAKES.

Wood, 10 per cent.

RAZORS.

	per doz.	
Elliot's	4 00	18 00
Geo. Butler & Co.'s,.....	4 00	18 00
Boker's	7 50	11 00
" King Cutter	12 50	50 00
Wade & Butcher's...	3 60	10 00
Theile & Quack's	7 00	12 00

REGISTERS.

Discount,..... 40 per cent.

RIVETS AND BURRS.

Iron Rivets, black and tinned, discount 60 and 10 per cent.
Iron Burrs, liscount 55 per cent.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c per lb.
Copper Rivets with usual proportion burrs, 45 and 10 dis., cartons, 1c. per lb. extra, net.
Copper Burrs only, 30 and 0 p.c.
Extras on Tinned or Coppered Rivets ½-lb. cartons, 1c. per lb.

RIVET SETS

Canadian dis. 35 to 37½ per cent

ROPE ETC.

Sisal	12½
Pure Manilla.....	16
"British" Manilla.....	13½
Cotton, 3-16 inch and larger	16
" 5-32 inch....	21
" ⅛ inch.....	22
Russia Deep Sea	15
Jute	8
Lath Yarn	11

RULES.

Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p,c.

SAD IRONS. per set.

Mrs. Potts, No. 55, polished..	65
" No. 50, nickle-plated	75

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ pe cent.
B & A. sand, 40 and 5 per cent.
Emery, 40 per cent.
Garnet (Rurton's), 5 to 10 p.c. advance on list

SAP SPOUTS.

Bronzed iron with hooks, per doz... 9 50

SAWS.

Hand Disston's, dis. 12½ p.c.
S. & D., 40 per cent.

Crosscut, Disston's, per ft....	35	0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.		
Hack, complete, each.....	0 75	2 75
rame only.....		0 75

SASH WEIGHTS.

Sectional, per 100 lbs.....	2 25	2 50
Solid, "	1 75	2 00

SASH CORD.

Per lb.....	0 23	0 30

SAW SETS.

Lincoln' and Whiting, per doz... 4 75
Hand Sets, No. 1 Woodyatt (Morrill) 4 25
X-cut sets, No. 3 Woodyatt (Morrill) 9 50

SCALES.

Standard, 45 p.c.
Champion, 55 p.c.
Spring Balances, 10 p.c.
Fairbanks Standard, 35 p.c.
" Dominion, 55 p.c.
" Richelieu, 55 p.c.
Warren's new Standard 45 p c.
" " Champion 65 p.c.

SCREW DRIVERS.

Sargent's per doz..... 0 65 1 00

SCREWS

Wood, F. H., bright and steel, 87½ and 10 p.c
Wood R. H., " dis. 82½ and 10 p.c.
" F. H., brass dis. 80 and 10 p.c.
Wood, R. H., " dis. 75 and 10 p.c.
" F.H., bronze, dis. 75 p.c.
" R.H. " 70 p.c.
Drive Screws, 87½ and 10 per cent.

Bench, wood, per doz.....	3 25	4 00
" iron. "	4 25	5 75

Set, Case hardened, 60 per cent.
Square Cap, 50 and 5 per cent.
Hexagon Cap, 45 per cent.

SCYTHES.

Per doz. net 9 00

SCYTHE SNATHS.

Canadian, dis. 45 p.c.

SHEARS.

Bailey Cutlery Co., full nickeled, dis. 60 p.c
Seymour's, dis. 50 and 10 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SINKS.

Steel and galvanized, discoun 45 per cent.

SNAPS.

Harness, German, dis. 25 p.c.		
Lock, Andrews'.....	4 50	11 50

SOLDERING IRONS.

1, 1½ lb., per lb.....	0 37
2 lb. or over, per lb.	0 34

SQUARES.

Iron, No. 493, per doz	2 40	2 55
" Mo. 494, "	3 25	3 40

Steel, dis. 60 10 and 5 p.c.
Try and bevel, dis 50 to 52½ p.c.

STAMPED WARE.

Plain, dis., 75 and 12½ p.c. off revised list
Retinned, dis., 75 p.c. off revised ist.

STAPLES.

Galvanized 3 50		4 00
Plain 3 25		3 75

Coopers', discount 45 per cent.
Poultry netting staples, 40 per cent.

STANDARD CHAIN CO., PITTSBURGH, U. S. A.

MANUFACTURERS OF **CHAIN** OF ALL KINDS.

Proof Coil, B.B., B.B.B., Crane, Dredge Chain, Trace Chains, Cow Ties, etc.

ALEXANDER GIBB, Montreal. —Canadian Representatives— A. C. LESLIE & CO., Montreal.

For Provinces of Ontario and Quebec. For other Provinces.

STOCKS AND DIES.

American dis. 25 p.c.

STONE.	Per lb.	
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip,	0 09	0 09
Labrador	....	0 13
" Axe	....	0 15
Turkey	....	0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, 2 in, 40 to 200 lb, per ton	....	25 00
" under 40 lb. "	....	28 00
Grind. under 2 in. thick "	....	29 00

STOVE PIPES.

5 and 6 inch Per 100 lengths	....	7 00
7 inch " "	....	7 50

ENAMELINE STOVE POLISH.

No. 4—3 dozen in case, net cash	$4 80
No. 6—3 dozen in case, "	8 40

TACKS BRADS, ETC.

Cheese-box tacks, blued ..... 80 & 12½
Trunk tacks, black and tinned 85
Carpet tacks, blued ..... 80 & 15
" " tinned ..... 80 & 20
" " (in kegs) 40
Cut tacks, blued, in dozens only .. 80
" ¼ weights 60
Swedes cut tacks, blued and tinned—
In bulk ..... 80 & 10
In dozens 75
Swedes, upholsterers', bulk .... 85, 12½ & 12½
" brush, blued & tinned, bulk .. 70
" gimp, blued, tinned and japanned ..... 75 & 12½
Zinc tacks 35
Leather carpet tacks 55
Copper tacks 50
Copper nails 52½
Trunk nails, black ..... 65 and 5
Trunk nails, tinned ..... 65 and 10
Clout nails, blued ..... 65 and 5
Chair nails 35
Patent brads 40
Fine finishing 40
Lining tacks, in papers 10
Lining tacks, in bulk 15
" " solid heads, in bulk 75
Saddle nails in papers 10
" " in bulk 15
Tufting buttons, 22 line, in dozens only 60
Tin capped trunk nails 25
Zinc glazier's points 5
Double pointed tacks, papers ..... 90 and 10
" " " bulk 40

TAPE LINES.

English, ass skin, per doz.	2 75	5 00
English, Patent Leather	5 50	9 75
Chesterman's each	0 90	2 85
" steel, each	0 80	8 00

THERMOMETERS.

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TRAPS. (Steel.)

Game, Newhouse, dis. 25 p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's discount 10 per cent.
German, per doz. 4 75 6 00
S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb	....	0 27
Wrapping, cotton, 3-ply	....	0 18½
" " 4-ply	....	0 23½
Mattress, per lb	0 33	0 45
Staging, "	0 27	0 35

VISES.

Wright's	....	0 13½
Brook's	....	0 12¾
Pipe Vise, Hinge, No. 1	....	3 50
" " " No. 2	....	5 50
Saw Vise	4 50	9 00

ENAMELLED WARE.

White, Princess, Turquoise, Blue and White, discount 50 per cent.
Diamond, Famous, Premier, 50 and 10 p.c.
Granite or Pearl, Imperial, Crescent, 50, 10 and 10 per cent.

WIRE.

SMOOTH STEEL WIRE.

No. 0-9 gauge		$2 60
10 "	6c.	extra.
11 "	12c.	"
12 "	20c.	"
13 "	30c.	"
14 "	40c.	"
15 "	55c.	"
16 "	70c.	"

Add 60c. for coppering and $2 for tinning.

Extras net per 100 lb. — Oiled wire 10c., spring wire $1.25, special hay baling wire 30c., best steel wire 75c., bright 8 ft drawn 15c., charcoal (extra quality) $1.25, packed in casks or cases 15c., bagging and papering 10c., 50 and 100-lb. bundles 10c., in 25-lb. bundles 15c., in 5 and 10-lb. bundles 25c., in 1-lb. hanks 50c., in ½-lb. hanks 75c., in ¼-lb. hanks $1.

Fine Steel Wire, dis. 22½ per cent. List of extras: In 100-lb. lots: No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, 7.65—No. 24, $8—No. 25, $9—No. 26 $9.50—No. 27, $10—No. 28, $11 No. 29. $12—No. 30, $13—No. 31, $14—No. 32 $15, No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31 $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles, 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.50 to $3.85—No. 9, $3.85 to $3.15—No. 10, $3.60 to $3.95—No. 11, $3.70 to $4.10—No. 12, $3 to $3.30—No. 13, $3.10 to $3.40—No. 14, $4.10 to $4.50—No. 15, $4.60 to $5.05—No. 16, $4.85 to $5.35. Base sizes, Nos. 6 to 9 $2.52½ f.o.b. Cleveland.
Clothes Line Wire, regular 7 strand. No. 17, $4.65; No. 18, $2.90; No. 19, $2.60. Hollow 6 strand, No. 17, $4.30; No. 18, $2.70, No. 19, $2.35; No. 20, $2.30, f.o.b. Hamilton, Toronto Montreal.

WIRE FENCING.

Galvanized barb	....	3 00
Galvanized, plain twist	....	3 00
Galvanized barb, f.o.b. Cleveland, $2.77½ in less than carlots, and $2.65 in carlots		

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net .. 1 25

WASTE COTTON.

	per lb.
Colored	6
White	8

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 60 p.c.
Coe's Genuine, dis. 20 to 25 p.c.

Towers' Engineer, each	2 00	7 00
" S., per doz.	5 80	6 00
G. & K.'s Pipe, per doz.	....	3 40
Burrell's Pipe, each	....	3 00
Pocket, per doz.	0 25	2 90

WRINGERS.

Leader ..... per doz. $30 00		33 00
Royal Canadian .. "	....	24 00
Royal American "	....	24 00
Sampson "	....	24 00

Terms 4 months, or 3 p.c. 30 days.

WROUGHT IRON WASHERS.

Canadian make, discount, 40 per cent.

ADVERTISING in WESTERN CANADA

will be Carefully Efficiently, and Promptly attended to, by

The Roberts Advertising Agency,

WINNIPEG CANADA.

Buy the Best.



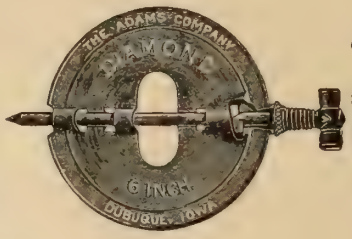
HERCULES

Sash Cord.

Star Brand Cotton Rope
Star Brand Cotton Clothes Lines
Star Brand Cotton Twine

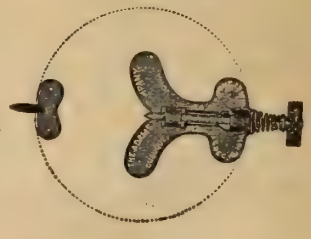
For Sale by all Wholesale Dealers

DIAMOND STOVE PIPE DAMPER AND CLIP.



U. S. Patent June 25th, 1895.
Canadian Pat. Dec. 13th, 1894.

Sold by Jobbers of - - -
HARDWARE
TINWARE
and STOVES,
for furnace pipe, to support the sheet steel blade.



Manufactured by THE ADAMS COMPANY, Dubuque, Iowa, U.S.A.
A. R. WOODYATT & CO., Guelph, Ontario.

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY MONTREAL.

Watch our ad. in next issue, or write to us for particulars on our patented

Automatic Door Strip and Weather Strip

Specially adapted for cold climates and takes the place of the inner window.

HELMS & HELMS, 148-50 Willow St., PHILADELPHIA.

Standard Paint & Varnish Works Limited
Makers of High Grade Varnishes, Japans, Paints, Colors & Enamels.
Windsor, Ont.

Ontario Nut Works, Paris

BROWN & CO.

Manufacturers of

All sizes of Hot Pressed Nuts, Square and Hexagon.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker,

13 St. John Street, Montreal

Representing British and American Manufacturers. Correspondence invited from firms wishing to be represented in Canada.

"THE EMLYN" SAW BENCH

Made in 6 sizes. Best value obtainable. Specially designed for export With or without "Emlyn" Patent Guard. Sole maker—

CHARLES D. PHILLIPS,

Cables—"Machinery," Newport. Emlyn Engineering Works, NEWPORT, MON., ENGLAND.

ONTARIO SILVER CO.,

Limited,

NIAGARA FALLS, CANADA.

Manufacturers of **FLATWARE, CUTLERY and ELECTRO PLATE.** . . .

Ask for our Catalogue and Quotations.

Mention again, for it means profit to you, that the

Wrapping Papers

of these mills will be the kind to give you satisfaction. We are careful in the manufacture of our wrapping papers, and in all cases they run full weight and full count—480 sheets to the ream.

CANADA PAPER CO., Limited

TORONTO and MONTREAL

The Batty Stove & Hardware Co.

Successors to

The Toronto Branch of THE COPP BROS. CO., Limited.

Wholesale dealers in

MANTELS, GRATES, TILES, ETC.

HOT-AIR REGISTERS.

HOT-AIR DAMPERS.

STOVE AND FURNACE CEMENT: 3½ and 5-lb. Cans.

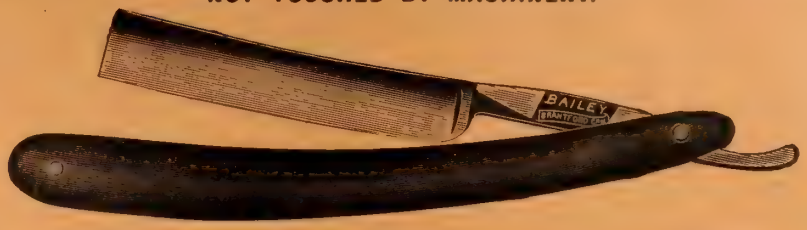
STOVE POLISH. STOVE REPAIRS.

THE BATTY STOVE & HARDWARE CO.

279 Queen West, TORONTO.

HAND-FORGED **RAZORS** HAND-GROUND

NOT TOUCHED BY MACHINERY.



Fully Warranted. Ask for Catalogue.

Made in Canada by——

Manufacturers of Steel-Laid Shears and Scissors, Hand-Forged Butcher Knives and Tinners' Snips.

BAILEY CUTLERY CO., LIMITED

BRANTFORD, ONTARIO.

CHAS. P. CLARK, President. **JARED CHITTENDEN, Treasurer.**

...ESTABLISHED 1849...

BRADSTREET'S

Capital and Surplus, $1,500,000. **Offices Throughout the Civilized World.**

Executive Offices: Nos. 346 and 348 Broadway, New York City, U.S.A.

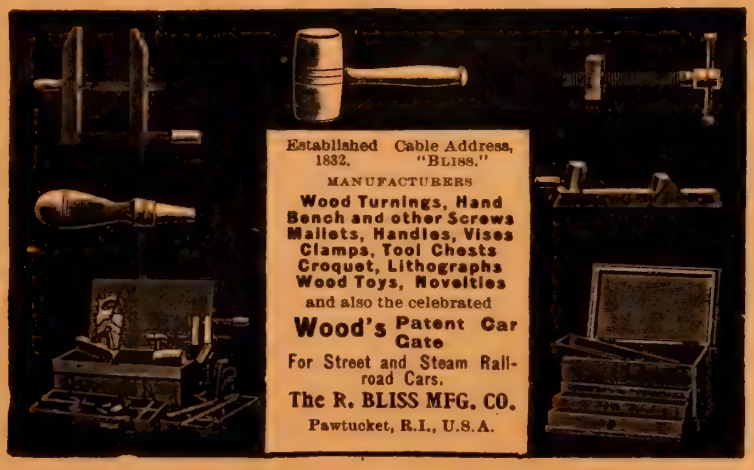
THE BRADSTREET COMPANY gathers information that reflects the financial condition and the controlling circumstances of every seeker of mercantile credit. Its business may be defined as of the merchants, by the merchants, for the merchants. In procuring, verifying and promulgating information, no effort is spared, and no reasonable expense considered too great, that the results may justify its claim as an authority on all matters affecting commercial affairs and mercantile credit. Its offices and connections have been steadily extended, and it furnishes information concerning mercantile persons throughout the civilized world.

Subscriptions are based on the service furnished, and are available only by reputable wholesale, jobbing and manufacturing concerns, and by responsible and worthy financial, fiduciary and business corporations. Specific terms may be obtained by addressing the Company at any of its offices. **Correspondence Invited.**

——OFFICES IN CANADA——

HALIFAX, N.S.	HAMILTON, ONT.	LONDON, ONT.	MONTREAL, QUE.
OTTAWA, ONT.	QUEBEC, QUE.	ST. JOHN, N.B.	TORONTO, ONT.
VANCOUVER, B.C.	VICTORIA, B.C.	WINNIPEG, MAN.	

THOS. C. IRVING, Gen. Man. Western Canada, Toronto. JOHN A. FULTON, Gen. Man. Eastern Canada, Montreal.



Established 1832. Cable Address, "BLISS."

MANUFACTURERS

Wood Turnings, Hand Bench and other Screws Mallets, Handles, Vises Clamps, Tool Chests Croquet, Lithographs Wood Toys, Novelties

and also the celebrated

Wood's Patent Car Gate

For Street and Steam Railroad Cars.

The R. BLISS MFG. CO.

Pawtucket, R.I., U.S.A.

Canadian Representative: ALEXANDER GIBB, 13 St. John St., MONTREAL.

75 YEARS. *ESTABLISHED 1825.* *75 YEARS.*

CELEBRATED **HEINISCH** SHEARS.

Tailors' Shears, Trimmers, Scissors, Tinners' Snips, etc.



ACKNOWLEDGED THE BEST.

R. HEINISCH'S SONS CO.

NEW YORK OFFICE, 90 Chambers St. NEWARK, N.J., U.S.A.

Not connected with any Shear Combination.

Est. 1865 — Inc. 1895

Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve Medals



Awarded
By **JURORS** at
International Expositions
Special Prize
Gold Medal at Atlanta, 1895

RUBBER HOSE

FOR

Water	Air	Suction
Steam	Acids	Fire Protection
Gas	Brewers	Pneumatic Tools

SUPERIOR IN QUALITY.
SATISFACTORY IN SERVICE.

When you want anything made of rubber, write to us.

THE GUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

Head Office and Warerooms—
45-47-49 West Front St.

TORONTO,

Factories—115-165 West Lodge Ave.
124-148 O'Hara Ave.

CANADA.

We have in stock:

- Gold and Metal Leaves
- Chamois Skins
- Glaziers' Diamonds
- Graining Combs
- Dry White Lead
- Red Lead
- Litharge
- Orange Mineral
- Zinc Oxides
- Whiting

and shall be pleased to quote lowest prices on application.

B. & S. H. THOMPSON & CO.

53 St. Sulpice Street,

MONTREAL.

CORDAGE

ALL KINDS AND FOR ALL PURPOSES.

Manila Rope	Lathyarn
Sisal Rope	Shingleyarn
Jute Rope	Bale Rope
Russian Rope	Lariat Rope
Marline	Hemp Packing
Houseline	Italian Packing
Hambroline	Jute Packing
Clotheslines	Drilling Cables
Tarred Hemp Rope	Spunyarn
White Hemp Rope	Pulp Cord
Bolt Rope	Lobster Marlin
Hide Rope	Paper Cord
Halyards	Cheese Cord
Deep Sealine	Hay Rope
Ratline	Fish Cord
Plow Lines	Sand Lines

"RED THREAD" Transmission Rope from the finest quality Manila hemp obtainable, laid in tallow.

CONSUMERS CORDAGE COMPANY, Limited

Western Ontario Representative—
WM. B. STEWART,
Tel 94. 27 Front St. West, TORONTO.

MONTREAL, QUE.



Desirable Anti-Friction Metal—Langwell's Babbit, Montreal.

CANADIAN

HARDWARE

AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XIV. MONTREAL AND TORONTO, MARCH 1, 1902 NO. 9.

POCKET KNIVES

H. BOKER & COS

IMPROVED

TREE BRAND

TRADE MARK

RAZORS CUTLERY SCISSORS

FOR SALE BY LEADING WHOLESALE HARDWARE HOUSES.

If any other brand will do in place of "QUEEN'S HEAD," buy . . . . .



"Fleur de Lis"

NOT a second quality, but "QUEEN'S HEAD" quality with ordinary galvanizing. Rapidly coming to the front for work where a heavy coating is not needed.

JOHN LYSAGHT, Limited, Makers, BRISTOL, ENG.

A. C. LESLIE & CO., MONTREAL, Managers Canadian Branch.

ITS POPULARITY



The cause of the "SAFFORD" Radiator's great popularity is its great efficiency as a perfect heater.

It's made without bolts or packing, does not cost any more than—and is superior to—the ones with packing.

It's easy to handle and has never failed in giving satisfaction.

If you haven't a catalogue, write

The Dominion Radiator Co.

Head Office: DUFFERIN ST., TORONTO, CANADA Limited

SPRING 1902.

GARDEN TOOLS

HOSE and SPRINKLERS.

RICE LEWIS & SON
LIMITED

WRITE FOR PRICES. TORONTO.

IN STOCK

Common Black Sheets
Dead Flat Steel Sheets
Galvanized Sheets
Genuine Russia Sheets

Stock List and prices sent on application

M. & L. Samuel, Benjamin & Co.

General Importers and Exporters and Metal Merchants.

27 Wellington St. West, TORONTO, ONT.

THEY'RE ALL ALIKE

THAT'S THE BEAUTY OF THE

CARBO MAGNETIC



ALL JUST ALIKE

No Saw Edges
No Soft Spots
No Temper Streaks
No Returned Blades to the Dealer
Will Shave for Years Without Requiring Honing

Sold by all Leading Jobbers.

BOOKLET COMING— if you'll ask for a copy with trade discount.

FIRM OF

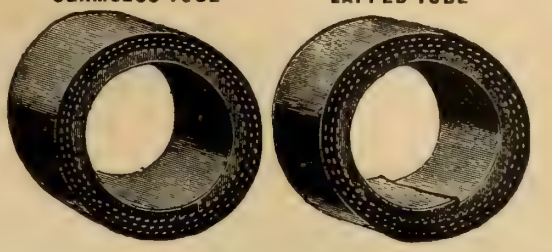
A. L. SILBERSTEIN

Mfrs of "Griffon" CUTLERY

459-461 Broadway, NEW YORK CITY.

GARDEN HOSE

Seamless Tube.



All brands of our **GARDEN HOSE** are made with our

Patent Seamless Tube

WRITE FOR DISCOUNTS.

The Canadian Rubber Co.

MONTREAL TORONTO WINNIPEG

Other Tools are very good Tools, but

"YANKEE TOOLS"

ARE BETTER



No. 15. "Yankee" Ratchet Screw Driver, with Finger Turn on Blade.



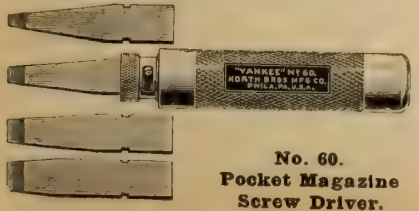
No. 30. "Yankee" Spiral-Ratchet Screw Driver, Right and Left Hand.



No. 41. "Yankee" Automatic Drill, Eight Drill Points in Handle.



No. 50. "Yankee" Reciprocating Drill, for Iron, Steel, Brass, Wood, etc.



No. 60. Pocket Magazine Screw Driver.

Our "YANKEE" Tool Book tells all about them. Mailed free on application. . . . . .

Manufacturers also of

LIGHTNING, GEM and BLIZZARD Ice Cream Freezers.

Toy Freezers, Ice Shaves and Ice Chippers.

Fluting Machines, Hand Fluters.

Sold by Leading Jobbers in Canada.

NORTH BROS. MFG. CO.,

Philadelphia, Pa., U.S.A.

WINDOW GLASS—TO IMPORT.

Prompt Deliveries

EVERY KIND OF PLATE AND WINDOW GLASS IN STOCK.

BENT GLASS of all kinds, our own manufacture. **Closest Prices.**

TORONTO PLATE GLASS IMPORTING CO.,

Hill & Rutherford

Warerooms and Offices—135 to 143 Victoria St.
Bending Works—209 to 213 Victoria St.

TORONTO

USE PHOSPHORINE ANTI-FRICTION METAL

It is the new discovery. Ask for particulars.

It is the only Anti-Friction Metal known to be chemically pure.



For Paper and Pulp Mills, Saw and Wood Working Machinery, Cotton and Silk Mills, Dynamos, Marine Engines, and all kinds of Machinery Bearings.

Wire, Triangular and Bar Solder, Pig Tin, Lead, Ingot Copper, Ingot Brass, Antimony, Aluminum, Bismuth, Zinc Spelter, Phosphor Tin, Phosphor Bronze, Nickle, etc., always in stock.

CANADIAN WORKS, MONTREAL, P.Q.
AMERICAN " SYRACUSE, N.Y.

Syracuse Smelting Works



Steel Frame Churn.

DAVID MAXWELL & SONS

ST. MARYS, ONT., CANADA.

"Maxwell Favorite Churn"

PATENTED FEATURES: Improved Steel Stand, Roller Bearings, and Foot and Hand Lever Drive, and Detachable Driving Link. Improved for season of 1902. Steel or Wood Frame as desired.

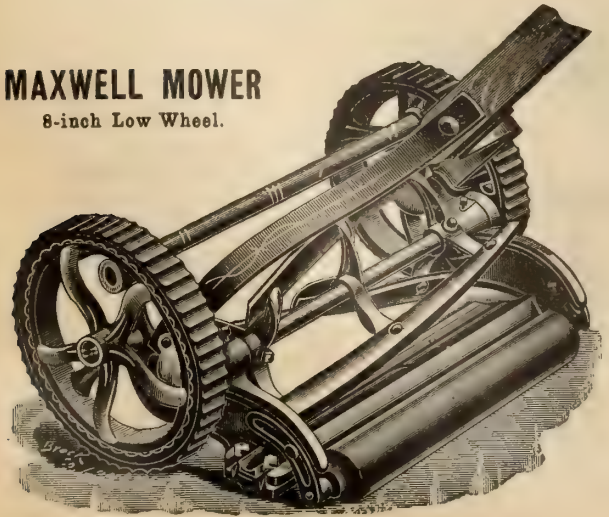
Wheelbarrows. In Four different Sizes.

Lawn Mowers. High and Low Wheels. from 12 in. to 20-in, widths. Cold Rolled Steel Shafting, Crucible Steel Knives and Cutting Plate.

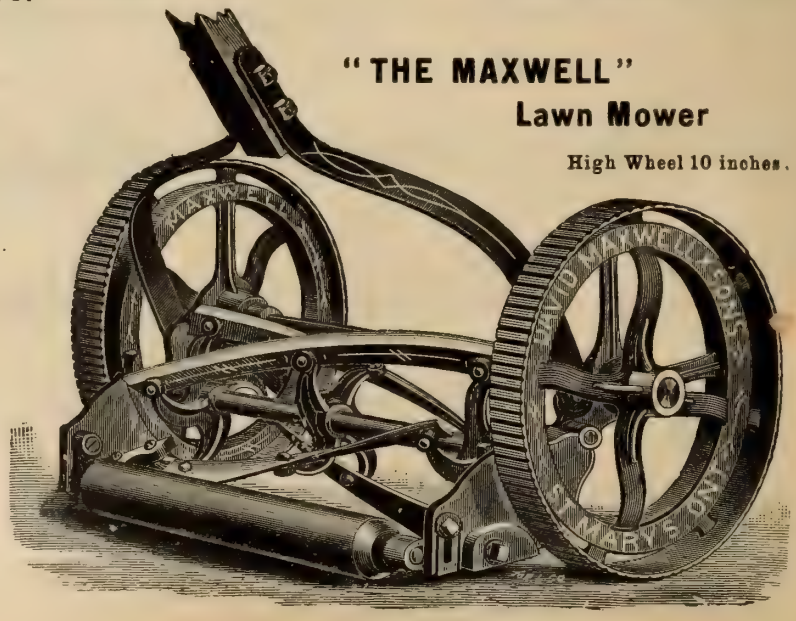
If your Wholesale House does not offer you these articles

SEND DIRECT TO US.

MAXWELL MOWER
8-inch Low Wheel.



"THE MAXWELL"
Lawn Mower
High Wheel 10 inches.



H. S. HOWLAND, SONS & CO.

WHOLESALE ONLY

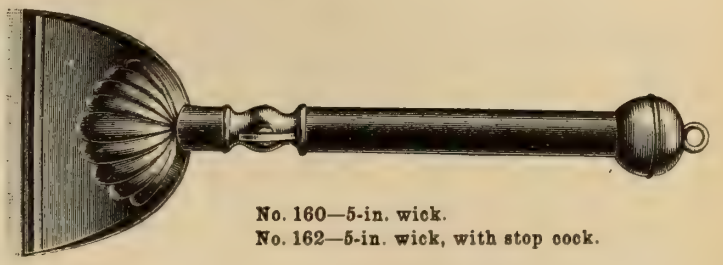
37-39 Front Street West, **Toronto.**

ONLY WHOLESALE

HORSE SINGERS.



"Eclipse," 4-in. wick.
No. 156—5-in. wick.



No. 160—5-in. wick.
No. 162—5-in. wick, with stop cock.

HORSE CLIPPERS.



Boker's Horse Clippers

"Dandy."
"Keen Cut."
"1704"—Ball-bearing.

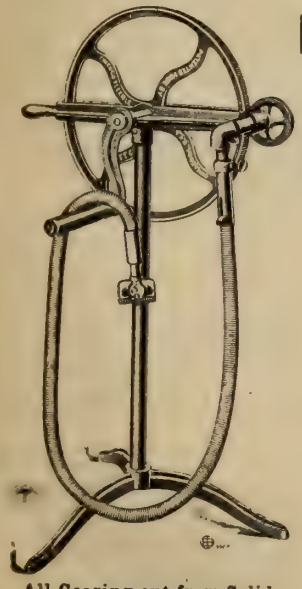


American Horse Clippers

"Empire State."
"The Star Pointer."
"National Newmarket."
"The I X L Ball-bearing."

"Newmarket" Horse Clippers

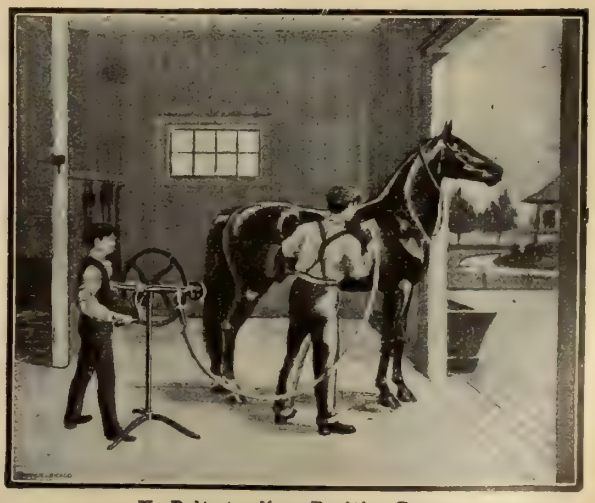
1902—THE NEW CHICAGO HORSE-CLIPPING MACHINE.—1902



All Gearing cut from Solid Metal (not cast).



"Stewart's Patent."
Knife and Handle complete.
PARTS.
Without Handle. Top Plate.
Handle only. Bottom Plate.



No Belts to slip. Positive Power.
It has a rigid base, tubular upright, and a fine, strong crank handle.

H. S. HOWLAND, SONS & CO., Toronto.

OUR PRICES ARE RIGHT

Graham Nails are the Best.

Factory: Dufferin Street, Toronto.

WE SHIP PROMPTLY

HENRY ROGERS, SONS & CO.,

SHEFFIELD, ENGLAND

Manufacturers of the celebrated



"UNION JACK" COLD SHEETS

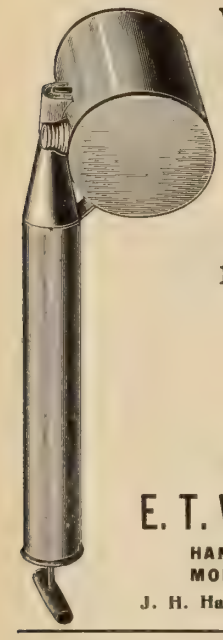
HOOP IRON

BARB and PLAIN WIRE

Canadian Office:

6 ST. SACRAMENT ST., MONTREAL

F. A. YORK, Manager.



WRIGHT'S Insect Sprayers

PLAIN TIN,
LACQUERED,
ALL BRAS .

"BEST ON EARTH."

Manufactured by

E. T. WRIGHT & CO.

HAMILTON, ONT., and MONTREAL, QUE.

J. H. Hanson, Agent, Montreal.

KNOX HENRY

Heavy Hardware and Metal Broker
Room 32, Canada Life Bldg., MONTREAL.



Samples sent free on application.

HORSE NAILS—"C." Brand Horse – Nails
Canada Horse Nail Co.

"BRASSITE" GOODS — Gunn Castor Co Limited, Birmingham, Eng.



THE PAPERS ARE TELLING

about the great advantages of CHURCH'S COLD WATER

ALABASTINE

For tinting and decorating walls and ceilings. In other words, we are doing a lot of general newspaper advertising.

ALABASTINE is the acknowledged standard wall-coating

THE WORLD OVER

Because it is **PERMANENT,** Easily Applied and **SELLS ON ITS OWN MERITS.** Is it worth while to spend time trying to sell worthless imitations that have no record of value or proof of origin ?

ALABASTINE is made in Canada, by Canadian labor, and from rock taken out of Canadian mines. See that your assortment is complete.

The jobber who sells it, the dealer who buys,
The painter and decorator, the people likewise
Proclaim "For the walls of a cottage, to the palace of a queen,
"There is nothing so suitable as ALABASTINE."

ALABASTINE is for sale by Wholesale Hardware and Paint Dealers. Manufactured by

THE ALABASTINE CO., LIMITED, PARIS, ONT.

STEVENS SINGLE BARREL SHOT GUN.

LATEST AND BEST SINGLE GUN ON THE MARKET.



MADE IN THREE STYLES THREE GAUGES UP-TO-DATE.

FINEST SINGLE GUN YET PRODUCED.

Our Goods are Handled by the Leading Jobbers.

J. Stevens Arms & Tool Co., P.O. Box 217 Chicopee Falls, Mass., U.S.A.

THE INDEPENDENT CORDAGE CO., Limited,

TORONTO.

Highest Award Pan-American Exposition

MANUFACTURERS OF ALL KINDS OF

SISAL MANILA **ROPE,** Lath Yarn, Shingle Yarn, Hide Cord, **BINDER TWINE** Pulp Cord, Clothes Lines.

Transmission Rope a specialty.

TRADE



MARK

Nobles & Hoare.

CORNWALL ROAD STAMFORD STREET.

LONDON, ENG.

Manufacturers of

HIGH-CLASS VARNISHES ONLY

Which can be obtained direct from the works or from the principal Color Dealers in Canada.

H. & R. SINGLE GUN AUTOMATIC AND NON-EJECTING.

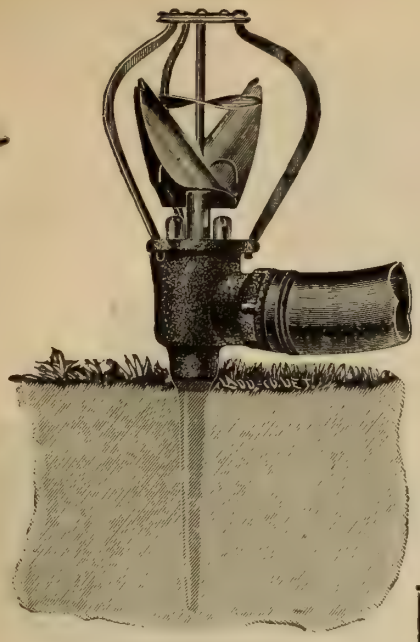
12 and 16 Gauges.
Steel and Twist Barrels.

Superior in Design, Workmanship and Finish, and the most popular Gun on the Market.

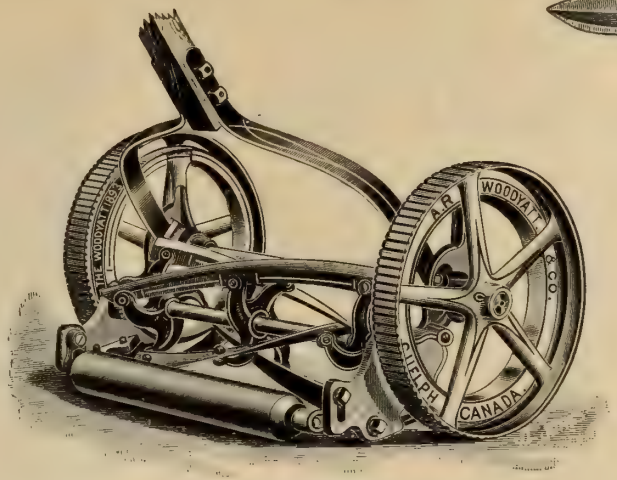
Simplest "Take Down" Gun Made.



HARRINGTON & RICHARDSON ARMS CO.
Also makers of H. & R. Revolvers,
Catalog on request. Worcester, Mass., U.S.A.



ARC SPRINKLER.

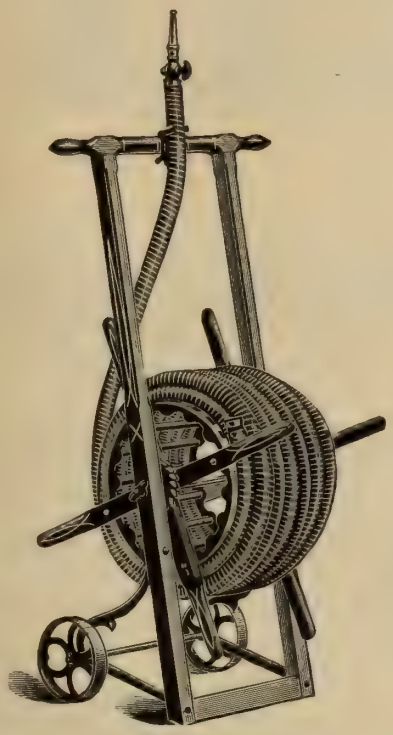


WOODYATT LAWN MOWER.

A Catalog devoted exclusively to Lawn and Garden Goods.
Send for it.



NO. 105.
GARDEN SHEARS.



COLUMBIA HOSE REEL.

A Little Catalog
Showing
a Line of

LAWN

AND GARDEN

GOODS

FOR SEASON 1902.

Those that are
Sold by

LEWIS BROS. & CO.
OF
MONTREAL, Quebec.

Mowers
Hose . .
Reels . .
Rakes .
etc. . . .

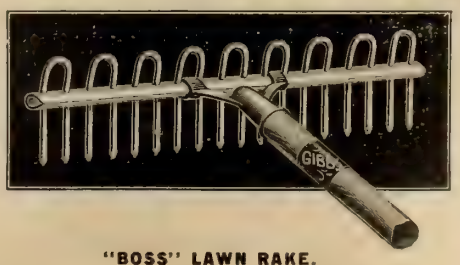


LADIES'
GARDEN SHEARS.

Fac-simile (reduced) of Lawn and Garden Goods Catalog just issued.



GARDEN HOSE.



"BOSS" LAWN RAKE.



GRASS SHEARS.

The Best Selling Range Ever Made.

Popular with dealers in every part of the country because it is so enthusiastically praised by every buyer.

Our Imperial Oxford

has won its laurels—it is the favorite range of Canada—widely advertised and everywhere appreciated for its practical superiority.

Are you familiar with its
Diffusive Flue Construction
Front Draw-Out Grate
Draw-Out Oven Rack
and other talking points

?

If there's any range business in your locality you'll get it by handling the Imperial Oxford. Fullest details if you write

THE GURNEY FOUNDRY CO., Limited
TORONTO. WINNIPEG. VANCOUVER.



THE GURNEY-MASSEY CO., LIMITED, MONTREAL.



Australasian Hardware and Machinery.

The Organ of the Hardware, Machinery and Kindred trades of the Antipodes.

SUBSCRIPTION $1.25 PER ANNUM,

post free to any part of the world.

PUBLISHING OFFICES:
Melbourne - Fink's Buildings.
Sydney, - - - Post Office Chambers.
AMERICAN OFFICES:
New York, - Park Row Building.
BRITISH OFFICES:
London, - - - 42 Cannon St., E.C.

Specimen Copies on application.

Canada Foundry Company

LIMITED

Architectural Iron { BEAMS, COLUMNS, CASTINGS, FIRE ESCAPES.

Waterworks Supplies { PIPES, SPECIALS, HYDRANTS, VALVES.

Railway Supplies { BRAKE SHOES, FROGS, SWITCHES.

Ornamental Iron { GRILLS, FENCES, RAILINGS.

General Jobbing

HEAD OFFICE:

TORONTO, ONT.

District Offices:
Montreal, Que., Halifax, N. S., Winnipeg, Man., Vancouver, B. C., Rossland, B. C.

THE OSHAWA WIRE FENCE CO., LIMITED

OSHAWA, ONT.

Manufacturers of Woven Wire Fencing, Gates, Etc.

Also Dealers in Galvanized Fence Wire.

Agents Wanted.

Send for Catalogue and Prices.

SOUTH AFRICAN MARKETS.

ROBERT CROOKS & CO., Stock Exchange Building, MONTREAL.

GENERAL IMPORTING AND EXPORTING MERCHANTS.

HAVE THEIR OWN OFFICES ESTABLISHED AT

CAPE TOWN, PORT ELIZABETH, DURBAN, JOHANNESBURG, } SOUTH AFRICA.

CORRESPONDENCE AND CONSIGNMENTS SOLICITED.

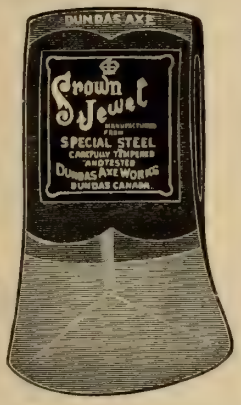
OFFICES ALSO AT

LIVERPOOL, LONDON, } England. NEW YORK, CHICAGO, } U.S.A.

There are twelve Axes that sell well in every dozen of

DUNDAS AXES

Wait for travellers with samples before placing your orders.

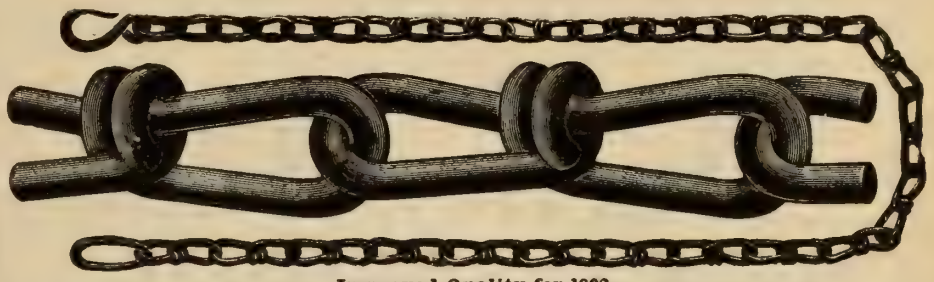


Dundas Axe Works, Dundas, Ont.

W. L. Haldimand, Jr., Montreal, Agent.

IMPROVED STEEL WIRE TRACE CHAINS.

Every chain guaranteed. Most profitable and satisfactory chain to handle.



Improved Quality for 1902.

THE B. GREENING WIRE CO., LIMITED

HAMILTON, ONT., AND MONTREAL, QUE.

THE EDINBURGH ROPERIE & SAILCLOTH Co Ld

ESTABLISHED 1750

LEITH SCOTLAND

(TELEGRAPHIC ADDRESS ROPERIE)

MANUFACTURERS OF EVERY DESCRIPTION OF

CORDAGE & CANVAS









MANILA ROPE
SISAL ROPE
NEW ZEALAND ROPE
RUSSIAN ROPE
JUTE ROPE
FISHING LINES
NETTING TWINES
PARCEL TWINES
SPUNYARNS & PACKINGS
BAILING ROPES & CORDS

TRADE E R C MARK 1750

SAILCLOTH
STEAMER CLOTHS
AWNINGS
TENT CLOTHS
DUCKS
PRESSING CLOTHS
TARPAULINGS
CHEMICAL WATERPROOF
SEAMING TWINES
ROPING TWINES



BUYERS OWN SAMPLES MATCHED AT LOWEST TRADE TERMS

ADDRESS ALL COMMUNICATIONS TO OUR CANADIAN OFFICE AND STORES,

THE EDINBURGH ROPERIE & SAILCLOTH CO'Y, Limited, - - 9 St. Peter Street, MONTREAL.

Locks and Builders' Hardware.

We have a most complete line of all these goods, including the very newest ideas in

Bronze and Brass Knobs, Door Sets and Escutcheons.

LOCKS AND LATCHES OF ALL KINDS.

Any dealer asking for a catalogue will be sent full prices, discount sheets, etc., etc. Drop a card.

ESTABLISHED 1843. INCORPORATED 1893.

THE Gurney-Tilden Co., LIMITED

Hamilton, Toronto, Montreal.

AGENCIES:—SAINT JOHN, N. B., VANCOUVER, B C.

Supplies for the Maple Syrup Season

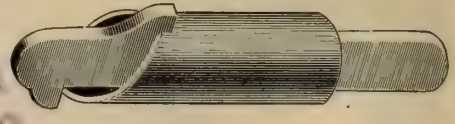


Sap Buckets.

Extra deep and straight. Three sizes. They possess many advantages over the ordinary flaring Buckets; being small in diameter they do not catch the rain or snow, and, as they are very deep, they hang perpendicularly and consequently will not overflow until full. Covers supplied if required. They nest close for shipping or storing.

We can also supply the ordinary Flaring or Western Sap Pails.

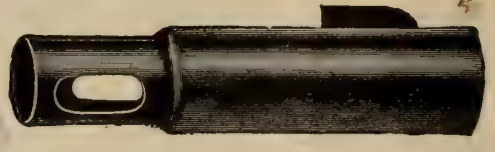
E. T. Sap Spouts.



Made of Retinned Steel. Strong and durable. Only require a ⅜-in. hole in tree. It does not cover the inside surface of the hole, therefore a larger amount of sap is obtained. Packed in cardboard boxes.

Maple Leaf Sap Spouts.

Made in Bronzed Steel. Require a ½-in. hole. Has a shoulder which prevents it being driven in too far. The hole in the tree is not exposed to wind and snow, consequently sap will flow longer. Packed in cardboard boxes.



Syrup Cans. Round or Square.

Plain or Decorated. Made in ¼, ½ and 1-gallon sizes—either Wine or Imperial measure.

A FULL STOCK CARRIED IN ALL LINES. ORDERS SHIPPED PROMPTLY.

KEMP MANUFACTURING CO'Y, - - Toronto, Canada.

HARDWARE AND METAL

VOL. XIV. MONTREAL AND TORONTO, MARCH 1, 1902. NO. 9.

President:
JOHN BAYNE MacLEAN,
Montreal.

The MacLean Publishing Co.
Limited

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P.E. Island and Newfoundland.

OFFICES.

MONTREAL - - - - 232 McGill Street. Telephone 1255.
TORONTO - - - 10 Front Street East. Telephone 2701.
LONDON, ENG. - - 109 Fleet Street, E.C. W. H. Miln.
MANCHESTER, ENG. - - 18 St. Ann Street. H. S. Ashburner.
WINNIPEG - - - Western Canada Block. J. J. Roberts.
VANCOUVER, B.C. - - - Flack Block. J. A. Macdonald.
ST. JOHN, N.B. - - No. 3 Market Wharf. J. Hunter White.
NEW YORK - Room 442 New York Life Bldg.

Subscription, Canada and United States, $2.00.
Great Britain and elsewhere - - 12s.

Published every Saturday.

Cable Address { Adscript, London. / Adscript, Canada.

WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

THE U.S. CAPITALIST IN CANADA.

A GOOD many tears are being shed by some of the newspapers in Canada because the United States capitalists are becoming prominent in her industrial life.

These tears are either of the crocodile description, or inability on the part of those who shed them to appreciate the economic conditions which induced capitalists in the United States to invest their money in the Dominion.

One of the drawbacks to Canada in the past was the slowness with which her natural resources were being developed. We had not the necessary capital ourselves. And we deplored the fact that outside capital did not come in and assist us. The capital we most courted was British capital. And that capital we still prefer to all others.

But the British capitalist has prepared to invest his funds elsewhere: in Central and South America, in Africa, and almost everywhere but in Canada. True, he is showing some signs of departing from his normal apathetic condition; but his condition is still passive. It is the capitalist in the United States who is active in his investments on Canadian account. It is the United States capitalist who first saw the possibilities of the iron and steel industry in this country and devoted his dollars to the development of it; that saw the possibilities of the gold, silver and lead mining industries in British Columbia and the Klondike and exhibited his confidence in them by spending his money on their development; and that put new life and energy into the coal-mining industry of Nova Scotia. In fact, in nearly all branches of Canadian industrial activity the United States capitalist is much in evidence.

The fact that United States capitalists are paying so much attention to Canada is an evidence that they realize the vastness of her natural resources and the greatness of her possibilities.

Those who are ready to grasp opportunities are those who have not allowed time to slip through their fingers.

ADVERTISING CANADA IN THE SOUTHERN STATES.

THE Grand Trunk Railway Company is sending a car on a 70-day trip through the Southern States for the purpose of advertising Canada as a summer resort. The car is specially equipped for the purpose, and will distribute at the places at which it stops a large quantity of advertising matter regarding the many summer resorts to be found on the G. T. R. System.

Canada is at least second to no other country in the world as a summer resort. As for variety, we know of no other that can approach it, with the Atlantic on her east coast, the Pacific on her west coast, and her magnificent rivers and enormous inland seas between. And all supplemented by a dry and bracing climate, and the means for gratifying the most ardent of sportsmen.

All these things are gradually becoming known to the outside world, but the railways (the Grand Trunk and the Canadian Pacific) have done far more to bring this about than all other agencies combined. Naturally, the railways have their own interests first in mind, but their enterprise is none the less worthy of commendation. And all the benefit by no means accrues to them. Business men certainly gain a great deal, directly or indirectly, from the influx of tourists, and, wherever and whenever they can assist the railways to disseminate information about Canada as a tourist resort, self-interest, if nothing else, should induce them to do so.

THE SITUATION IN IRON AND STEEL.

THE strength and activity of the iron and steel market are increasing rather than diminishing. Those who have been watching the market during the past few weeks cannot but have been struck by this fact.

In the United States this feature is particularly striking, where pig iron and steel continue to advance. It is said that eight of the Southern furnaces have orders for 700,000 tons of pig iron on their books, most of which is for delivery first half of the year. The Southern furnaces, it will be remembered, make about one-half the pig iron turned out in the United States.

During January the furnaces in the United States turned out 1,500,000 tons of pig iron, or at the rate of 18,000,000 tons a year. A number of the Southern and Pennsylvania furnaces have sold everything they can make up to January 1, 1903.

In spite of the quantity of pig iron that is being made, there is a scarcity in the foundry description. One of the causes of this is the difficulty of obtaining prompt transportation, but the chief appears to be the fact that a number of the furnaces have been running on Bessemer iron in order to supply the very heavy demand from the steel mills.

Owing to the difficulty which large users of pig iron have lately been experiencing in getting supplies, and encouraged by the strong outlook for the future, a good many buyers have recently placed orders for their requirements for the second half of the year.

In spite of the heavy demand, however, the price of pig iron in the United States is only about 10 per cent. higher than it was a year ago. This is, no doubt, due to the influence of the United States Steel Corporation, or, as it is more familiarly known, the Trust, and to the efforts of the Southern furnaces, who have set their faces against any sharp advances in prices.

This conservative policy is the wise and proper one. Inordinate advances in prices are certain to bring about a curtailment of consumption. And the concomitant of that is, of course, a reaction in prices and a lack of confidence in the situation. Then exist what we call hard times. The Steel Trust recognized this, and its adherence to it has gained for it many friends in the commercial world.

While iron is only about 10 per cent. higher than a year ago, there have been some marked advances in steel. Steel billets, for instance, are 50 per cent. dearer than they were a year ago. In fact, it is the strength of the steel market which is the key to the present extraordinary situation. The New York Journal of Commerce says: "There never was a time when there was such an enormous demand for all kinds of iron and steel and at such profitable prices. The mills that roll beams and channels are so gorged with tonnage for months to come that a movement is on foot to import about 10,000 tons of structural shapes from abroad, something that has never before been thought of in the history of the iron trade."

In an attempt to relieve the situation it has been necessary to import steel billets from Germany. This in turn has led to an advance of $4 to $5 in German steel, and it is thought that the price of steel bars in the latter country is now at a figure which will prevent their importation. At a meeting of independent steel manufacturers in Pittsburg last week it was decided to send a commission to Great Britain and Germany to try and purchase 40,000 tons of steel bars. Without taking this into account, it is estimated that something like 150,000 tons of English and German steel have already been purchased on United States account.

The situation has been materially improved in Great Britain, as well as in Germany, on account of the demand for iron and steel for shipment to the United States. And to-day, pig iron in Great Britain is $1 to $1.25 per ton higher than it was a month or six weeks ago.

The strength of the iron and steel market in Canada is scarcely less marked than it is in the United States. The large users of pig iron are quoting about $2 per ton higher for Canadian pig iron than they were a couple of months ago, and the prices of nearly all staple lines are firm, in sympathy.

The condition of the steel market is a reflection of that in the United States. This appears to be particularly marked in regard to steel sheets.

Manufacturers in Canada are being put to some inconvenience owing to the scarcity of malleable iron. The makers of malleable iron are positively compelled to turn away orders because they cannot fill them. And some of them are unable to run to the full capacity of their works owing to a scarcity of molders.

In Canada as well as in the United States there is every indication of a continuance for some time to come of the present extraordinary activity in iron and steel.

PARTNERSHIPS FOR CLERKS.

THE keenest competition that merchants sometimes experience is that which arises from their own clerks who have gone into business on their own account.

It would be unwise to advise clerks not to go into business on their own account. On the contrary, it would be wise to induce them to cultivate an ambition in that direction. A young man who has no such ambition, or who has no desire to cultivate one, is lacking in those fundamentals which go to make a good clerk.

Merchants can, however, in many instances, prevent their clerks from becoming competitors by making them their partners.

It would not be reasonable for a merchant to give all his clerks an interest in his business. There are many who are not qualified for partnerships. But to the best clerk, where it is at all possible, it is only fair that an interest in the business should be held out as a reward for faithful services.

TRADE MARKS.

There seems to be an impression with the average dealer that a trade mark needs to be registered to make it valuable. Such is not the case.

Any name or trade mark, which is original with the user, is his own property and no person has any right to copy or imitate same. Of course it is advisable for any owner of a trade mark to have same duly registered so as to establish proof of priority, but it must be understood that a trade mark only becomes a trade mark after the goods bearing it have been marked.

TRADE IN COUNTRIES OTHER THAN OUR OWN.

PIG IRON IN THE STATES.

FORGE pig market is very excited and buying for the third and fourth quarters has put prices to $16.75 and $17. A majority of Southern furnaces are temporarily out of the market, while figuring how they stand. Consuming interests are losing their heads on both forge and foundry.—American Metal Market, February 25.

The feature of the week has been the general advance in quotations of pig iron. Not only on early shipments, but for delivery running up to the end of the year there was a general hardening of values. Conservative men have vigorously opposed the tendency upward, but market conditions became too strong to be ignored. Orders of great size were placed for delivery in the third quarter of the year at $16.75 Pittsburg, and 50c. more was readily paid for earlier shipment or smaller quantities. Grey forge and Southern foundry iron also shared the better feeling, although the latter is more stubbornly held. While the pressure of delivery of Bessemer pig is so great it is fortunate that coke cannot be had in desired quantity. More structural mills have refused to take new business at any terms, even where consumers agree to accept goods without any date specified. Pressure continues phenomenal as to rails and other railroad equipment, and even in pipe there is a fair business, thoughthe season is not yet fully opened. —Dun's Review, February 22.

BRITISH TINPLATE TRADE.

The market is very firm, and values all around have increased on the week. As much as 13s. 1½d. per box has been paid for common 14 by 20, 112 sheets, 108 lb., Bessemer cokes f.o.b. Wales, for quick delivery. Makers generally are asking 13s. 3d. per box for February delivery, with 1½d. to 3d. extra for Siemens' steel. Few transactions of any moment are reported however, the enhanced prices causing buyers to hold off as much as possible.—Iron and Coal Trades' Review, February 14.

BRITISH FINISHED IRON TRADE.

The Birmingham market for merchant iron was decidedly firmer yesterday. In black sheets and galvanized iron there has been a decided upward movement, the demand has expanded and prices are higher. In other branches business is better, without orders being any too plentiful, but prices are hardening all round, in view of a rising market for raw materials. South-African business is opening out, and trade with the Far East is certain to improve, now we know that we are allied with Japan in keeping the open-door and the peace in China. Marked bars at £8 10s. are selling steadily. Common Staffordshire bar iron is quoted at £6 15s., and some makers will not sell under £6 17s. 6d. The markets for common bar iron in Cleveland, South Wales and Scotland are quiet, but prices are rather firmer, owing to the move in pig iron.—Iron and Steel Trades' Journal, February 15.

PIG IRON IN GREAT BRITAIN.

Both Scotch and Cleveland warrants have taken an upward turn this week, and although in the former case the rise may, to some extent, be said to have a more speculative basis than in the latter, the advance, coming, as it has done, at a time when what is usually a busy period of the year—the spring season—is imminent, has exercised a favorable influence upon the general market, consumers apparently arguing that the movement may develop as the year grows older. As a result, there has been somewhat more demand in the Cleveland district, and, taking into account the downward tendency in coke prices, and the better rates obtainable for pig iron, the market may be considered to have assumed a more encouraging aspect for makers. Manufacturers of East Coast hematite are not so fortunate, however, for while their quotations are falling the price of ore is going up. Mixed numbers have sold at 54s. 9d. this week. On the West Coast the tone of the hematite market is steady, and in Barrow makers are quoting 58s. to 59s. per ton f.o.b., for mixed numbers. The following is a statement of the stocks of pig iron in public stores :—

Public stores stocks, in tons :	Wednesday.
Connal's at Glasgow	55,900
Connal's at Middlesbrough	140,600
Connal's at Middlesbrough, hematite	300
West Coast hematite	17,400
N.E.R. Stores, Middlesbrough	1,460

The decrease of stocks in Middlesbrough during the week ended February 11 was 1,050 tons, in Glasgow, 951 tons, and in Barrow, 1,746 tons.—Iron and Coal Trades' Review, February 14.

WIRE NAILS IN THE STATES.

The demand for wire nails is large and active. Recent storms added to the insufficiency of transportation facilities have temporarily increased the difficulty of getting prompt mill shipments. The market is strong, and is represented by the quotation in carlots of $2.05 to $2.15 f.o.b. Pittsburgh, plus actual freight to destination.—Iron Age.

AXES HIGHER IN THE STATES.

As referred to more fully in another column in connection with the notice of what is being done by the axe manufacturers in the way of consolidation, prices on this line of goods are slightly higher. The advance is from 5 to 10 per cent. on the leading goods. The manufacturers on the 17th began marketing their product for the coming season, thus putting the new prices into effect. While it is anticipated that the market will be quite regular, as the new prices are strictly maintained, there will probably be a good deal of enterprise shown by the manufacturers is securing orders for their various factories.—Iron Age.

THE OTTAWA BOARD OF TRADE

THE Ottawa Board of Trade held a well-attended meeting on the evening of February 19 to listen to the inaugural address of President Coates and take part in an informal discussion on the Temiscaming and Northern Ontario Railway, the Bill for the construction of which is now before the Dominion House. Mention was also made of the coming session of the Dominion Board of Trade at Ottawa on March 4 and 5.

The President, John Coates, commenced by stating the need that the board had for a new building. He then said that the question of what the future rates would be that would have to be paid in Ottawa for an efficient telephone service was an important one. The service, he admitted, that The Bell Telephone Co. was giving at the present time was very good, and the rates reasonable, but they had no guarantee as to the future. He would like to see a municipal telephone service, but questioned the wisdom of entering into competition with a long established and powerful company. The best safeguard was the appointment of a commission by the Government to regulate rates in a similar way that tolls are regulated by the Railway Commission whenever a complaint was made.

Preferential trade within the Empire was now an important question. Things are slowly but surely tending to a change in the fiscal policy of the Mother Country, where the conviction is steadily gaining ground that Great Britain can serve her own interests and that of her colonies by adopting such a change as would give colonial proddcts a preference against the products of foreign countries. We should take a lesson from the United States who were always aiming at getting the best in any trade negotiations, and as far as possible meet them on equal terms with the tariffs

He touched on the question of State-owned cables and thought that the first practical step to be taken in this direction was the nationalization of all the land lines in the Dominion, and the taking of immediate steps for the establishment of the best methods of telegraphy between Canada and the Motherland by a direct line under Government control.

He concluded his address by a reference to the Queen's death, the new King, and the recent tour of the Duke and Duchess of Cornwall around the world.

It was moved, and carried : "That this board has learned with much pleasure and hereby express its gratification that a conference of representatives from Australia and Canada is likely to be held in London during the present year, to discuss trade and cable matters."

The Temiscaming and Northern Ontario Railway Bill which is now before the Dominion House was touched on by R. W. Shannon. He stated that he had arranged for a special meeting with the Hon. F. R. Latchford and Messrs. Lumsden and Powell, M.P.P.'s and the Board of Trade, which will be held at some future date.

Mr. Shannon said the road was to be 106 miles long, and would run from the town of North Bay, on Lake Nipissing, to Lake Temiscaming. According to Premier Ross the estimated cost of this line was $1,750,000. Mr. Shannon thought that this line should be brought through to Mattawa if the city of Ottawa and surrounding district were to control the trade of that section of the country. If this road was not constructed through to Mattawa a large proportion of this trade would be diverted from Ottawa to Toronto.

A number of others also had something to say about this railroad.

President Coates referred to the revival of the Dominion Board of Trade. George Chapman, of Toronto, the secretary, had received word that delegates would be sent to Ottawa from over fifteen boards in the Dominion on March 4 and 5. Questions, some of them of an Imperial character, affecting the interests of the Dominion, would be discussed.

The delegates from the Ottawa Board are : President Coates, Vice-President Reid, Messrs. MacFarlane, Holland and Shannon. The sessions will probably be held in Goldsmiths' Hall.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

C. V. PRICE (late) general merchant, Copper Cliff, Ont., is offering to compromise.

E. Audet, general merchant, Black Lake, Que., has compromised at 50c. on the dollar

George Peters, planing mill proprietor, Merlin, Ont., has assigned to Wallace B. Shaw.

J. A. Renault & Co., general merchants, St. Ephrem de Tring, Que., have assigned.

N. St. Amour is curator of O. E. Leger & Frere, general merchants, Coteau Station, Que.

The estate of T. J. Metheral, general merchant, Singhampton, Ont., is to be wound up.

Desire Ricard, general merchant, Batiscan, Que., has compromised at 15c. on the dollar cash.

The creditors of Daniel Shaw, hardware merchant, Almonte, Ont., held a meeting on February 26.

Carr Bros., general merchants, St. Chrysostome, Que., have assigned to Lamarche & Benoit.

A consent for the assignment of Magnan & Frere, hardware merchants, Montreal, has been filed.

The creditors of A. Champagne, carriagemaker, Chambly Canton, Que., will hold a meeting on March 1.

The creditors of Charles Tremblay, general merchant, Shawenegan Falls, Que., held a meeting on February 22.

H. D. Allen, late general merchant, Cape Tormentine, N.B., offers to compromise at 25c. on the dollar.

The creditors of M. P. Plouffe, general merchant, Ladysmith and Shawville, Que., held a meeting on February 26.

H. Gilbert, general merchant, Chicoutimi, Que., has assigned, and a meeting to appoint a curator is called for February 28.

G. C. Bristow, general merchant, Aylmer, Ont., has assigned to R. Tew, Toronto, and his creditors held a meeting on February 27.

M. Richardson & Co., general merchants, Dundalk, Ont., have assigned to J. G. Strong, Toronto, and their creditors meet on March 3.

R. Bergeron & Co., general merchants, Shawenegan Falls, Que., have assigned to Lamarche & Benoit, and a statement of their affairs is being prepared.

The creditors of J. N. A. Carriere, general merchant, St. Phillipe D'Argenteuil, Que., held a meeting on February 20, and received an offer of 50c. on the dollar cash.

PARTNERSHIPS FORMED AND DISSOLVED.

Dumont & Rho, painters, Montreal, have dissolved.

Berry & Wilson, foundry owners, Warden, Que., have dissolved.

The Swan River Lumber Co., Swan River, Man., have dissolved.

Dormer & McGilvery, foundry owners, Morden, Man., have dissolved.

Smith & Barnes, bicycle merchants, Ottawa, Ont., are about dissolving.

Byrnes & Campbell, wholesale lumber merchants, Winnipeg, Man., have dissolved.

Bowser & McDonald, agricultural implement agents, Glenboro', Man., have dissolved.

Robert W. Cherry, agricultural implement agent, Russell, Ont., has admitted a partner.

The Dominion Showcase Co., Toronto, have dissolved partnership. A. T. Darragh has retired.

John Miller & Sons, hardware merchants, Montreal, have dissolved, and a new partnership has been registered.

Campbell & Co., general merchants, Richmond, Que., have dissolved, and a new partnership has been registered.

SALES MADE AND PENDING.

Mrs. A. McLaren, general merchant, Lower Argyle, N.S., is selling out.

E. H. Hannah, blacksmith, Hillsburg, Ont., is advertising his business for sale.

E. Bacon, blacksmith, Cartwright, Man., is advertising his business for sale.

D. A. Hyslop, general merchant, Ancaster, Ont., is advertising his business for sale.

James Dobson, general merchant, Bronte, Ont., is advertising his business for sale.

The assets of H. A. Lalonde, general merchant, River Beaudette, Que., have been sold.

The stock of J. C. Morton & Co., general merchants, White Horse, B.C., has been sold.

J. A. Hunter, general merchant, Durham, Ont., is advertising his hardware stock for sale.

R. McKenzie, agricultural implement agent, etc., Manitou, Man., has sold his blacksmith business.

A. O. Veitch, general merchant, Richmond, Bayham P. O., Ont., is advertising his business for sale.

The assets of Alf. Fradette, general merchant, Lafayette, Que., were to be sold on February 27.

The stock of T. J. Metheral, general merchant, Singhampton, Ont., is advertised for sale by auction on March 5.

The plant, etc., of The National Iron Works, Limited, Wingham, Ont., is advertised to be sold by auction on March 5.

The stock of the estate of Elliott & Borland, general merchants, Steinbach, Man., was advertised for sale by auction on February 21.

CHANGES.

Brosseau & Frere, tinsmiths, etc., Quebec, have registered.

Vezina & Goneau, blacksmiths, Three Rivers, Que., have registered.

H. K. Livingston, general merchant, Robson, B.C., is out of business.

T. H. Linton is removing his foundry from Orono, Ont., to Bowmanville.

Beaudry & Blouin, hardware merchants, Three Rivers, Que., have registered.

James Harris, blacksmith, Glencoe, Ont., has sold out to N. A. Leitch.

The Art Cabinet Fixtures Co., frames, signs, etc., Montreal, has registered.

Miss M. J. Fafard & Co., general merchants, St. Thecle, Que., have registered.

F. L. Irwin, general merchant, Treesbank, Man., has sold out to C. F. Wood.

W. J. Mathison, general merchant, Cathcart, Ont., has sold out to D. H. Stevenson.

Joseph Dudley, blacksmith and wagonmaker, London, Ont., has sold out to Thomas Moxworthy.

R. E. T. Pringle has registered for The Alpha Electric Manufacturing Co., electrical supplies, Montreal.

The Cockshutt Plow Co., Limited, and Noble & Graham, agricultural implement agents, Carman, Man., are both succeeded by Noble & Lytle.

FIRES.

E. H. Phelps & Co., Merritton, Ont., manufacturers of carriage woodwork, have suffered loss by fire.

The Dunnville Planing Mills Co., Limited, Dunnville, Ont., were partly burned out. The loss is covered by insurance.

The Gibson property of Emery Sewell, general merchant, Upper Maugerville, N.B., was burned; there was no insurance.

The premises and stock of Thomas Hunter, paint merchant, etc., Ottawa, were slightly damaged by fire. The loss is covered by insurance.

S. Brown, general merchant; J. A. Cargar, miller and grain merchant; and George Sibbett, liquor merchant, Bracebridge, Ont., were burned out; they were all insured.

DEATHS.

Thomas Kells, contractor, Ottawa, is dead.

George Copeland, carriagemaker, Smithville, Ont., is dead.

Philip S. Pellerin, general merchant, Scadonc, N.B., is dead.

C. Lautz, of Lautz & Co., lumber merchants, Milford, N.S., is dead.

Alfred C. Kuhn, of Holland & Kuhn, window shades, etc., Halifax, N.S., is dead.

M. Simon, general merchant, Alexandria, Ont., is offering 40c. on the dollar.

WIRE NAILS
TACKS
WIRE

Prompt Shipment

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

MARCELLUS HARTLEY'S ESTATE.

It has now been learned that the late Marcellus Hartley left a will. The estate had previously been estimated to be about $4,000,000, but it is thought that it will now amount to upward of $60,000,000. Mr. Hartley was the head of the firm of M. Hartley & Co., of New York, which was formerly known as Hartley & Graham.

The firm did a conspicuous business prior to the Spanish War, and it is said that most of the supplies in the way of ammunition and arms supplied to the Cuban insurgents in the many filibustering expeditions which left the shores of the United States for Cuba were either sold or collected through the agency of this firm. Mr. Hartley was also a stockholder and director in The Westinghouse Electric Co.

The finding of the will was a surprise, as it was at first believed that he died intestate.

M. H. Dodge, his grandson, who is named as the heir to this vast estate, is now 20 years old and is a junior in Columbia University.

Mr. Hartley died very suddenly about a month ago, while he was attending a meeting of the directors of The American Surety Co.

For many years Mr. Hartley had been prominent in commercial life in the metropolis, having large and varied interests in important institutions. At his death he was president of The International Banking Corporation recently 100,000 tons, of which Quebec supplies the formed, and which secured, after vigorous competition, the business of handling the Chinese indemnity for the United States.

Mr. Hartley was also president of The Remington Arms, The Union Metallic Cartridge, The Bridgeport Gun Implement, and of The M. Hartley companies. He was vice-president of The Western National Bank and director of the Lincoln and German-American National Banks, The Manhattan Railway, Westinghouse Electric, Mercantile Trust, American District Telegraph, American Ordnance, The Audit Co., and of The Equitable Life Assurance Society. He was a trustee of The American Deposit Loan, The Fifth Avenue Trust and the American Surety Companies.

The Best Time

to put your paint business on the right footing is at the beginning of the busy season.

It pays to start early to push

THE SHERWIN-WILLIAMS PAINT

It pays to be ahead of the "other fellows."

There's no other paint can do so much to place you at the top. We give you methods and advertising material that put you there, backed up by paint quality that holds the position for you.

If you're out for business this year go after it with

The Sherwin-Williams Paint and
The Sherwin-Williams Methods.



THE SHERWIN-WILLIAMS CO.

PAINT AND VARNISH MAKERS.

CLEVELAND.

CHICAGO, NEW YORK, NEWARK, MONTREAL, BOSTON, TORONTO, SAN FRANCISCO. KANSAS CITY.



TIN DEPOSITS BECOMING RARE.

Mr. Wahl, in The Journal of Franklin Institute, observes that it is a curious fact that the known deposits of tin in the world are far less extensive in area than those of gold. Specifically there are about 132 square miles yielding workable gold deposits to every square mile containing commercially available tin deposits. There is scarcely a country in the world in which gold might not be profitably obtained or from which it has not been obtained in the past, but there are at the present time probably not more than a dozen districts in the world where tin is being mined. The famous tin deposits of Cornwall are about exhausted, and the same is true of the deposits of Bohemia, Tuscany, Southern Spain and the Pyrenees. In all the vast area of Asia there are but two workable districts—one in China and the other in the Straits Settlement and adjacent principalities, from the latter of which by far the largest quantity of metal has been obtained in recent years. Africa has no known deposits, and but little is produced in South America. Several deposits have been discovered in the United States, but not in profitable quantities. Australia and New Zealand contain the most promising new deposits, though at present they only produce about one-tenth that of the Straits.

A LARGE SHINGLE MILL.

The Hastings Shingle Mill Co., Vancouver, B.C., are commencing on their huge new shingle mill which they expect to have in working order by May 1. It will be located on the old Powell estate, and will have an output of 1,000,000 shingles per day. The building will be 250 feet long, and will average 32 to 60 feet in width. Four boilers, 10 x 66 feet, fitted with Dutch ovens, will supply steam to a pair of twin engines, 20 x 24 feet. All these will be set on solid stone foundations. Ten upright machines, one ten-pound block, one single-block power-feed, and two band machines will comprise the outfit, and enough floor space will be left to allow of four uprights and one single-block power feed being added without alterations to the building. The dry kilns will be 88 x 152 feet. The sheds will be of sufficient length to contain enough stock to keep the mill in operation for four months.

The structure is to have a galvanized iron roof, and will be fitted throughout in the most modern style.

PORT HOOD COAL CO.

At the annual meeting of The Port Hood Coal Co., at Halifax, N.S., on February 14, the reports were quite satisfactory to the shareholders. Large quantities of coal have been sold by the company throughout the Province of Nova Scotia, and everywhere it seems to have given satisfaction. In the city of Halifax over 10,000 tons of their coal have been used during the past year. At present the daily output from their mines averages about 1,000 tons. Their coal areas extend over a space of 16 square miles, and there is an unlimited supply of coal. They are constantly adding new machinery, and since the close of navigation orders are being filled for the I.C.R. and points in the Province.

The officers and directors elected for the ensuing year were as follows :

President—George E. Faulkner.

Vice-President—Hon. G. E. Foster, Toronto.

Directors—H. G. Bauld, W. A. Black, Alex. A. McNeil, Lorne C. Webster (Quebec), Evan Thompson

William Lithgrow was appointed business manager.

The company propose to greatly increase their facilities shortly, and their output will be considerably larger.

HOW THE TRUST KILLED THE BICYCLE BUSINESS.

The convention of the L. A. W. at Torrington, Conn., was something like a funeral. The despatches from that cheerless meeting said that the reports showed that the League had shrunk over 50 per cent. in membership, but that is putting the case too mildly. Former Boston officials of the League said yesterday that the shrinkage is nearly 90 per cent. in less than four years. In 1898, the League membership was 103,000. It is now 10,500. Four years ago there were 50 newspapers in the country devoted to cycling interests. Now the 50 have dwindled to one. Four years ago there were 53 cycling clubs in Boston that were active in enrolling members, in holding club runs, etc. Now, who ever hears of a cycling club?

What is the reason for this tremendous change? The question was put yesterday to Secretary Bassett and to a number of Boston men who were once prominent in the L.A.W. Their answers were pretty nearly unanimous. The bicyle business, the L. A. W., the general interest in bicycling began to die together when the bicycle advertising business stopped. When the Bicycle Trust began to take shape, the managers of the Trust decided that, as they controlled the business anyway, the advertising could be and should be cut down. If they had hunted around for a club to kill their own business, they could not have hit upon a surer one.—Boston Advertiser.

GOOD NAME BETTER THAN RICHES

Neither ships, racehorses, nor anything else are so aptly named as the crack trains of the world—the Flying Scotchman, which is the Transinsular Limited of Great Britain; The Flying Yankee, from Boston to Bangor; the Congressional Limited, to Washington; the Empire State, to Buffalo, and the Sunset Limited, to Southern California. There is more in the name of a fast express train than in the title of a play or novel. The man who is going to travel on a railroad, and has the price in his pocket, wants to buy a ticket for one of those appropriately titled trains every time.—New York Press.

LARGER OFFICES FOR CANADA HARDWARE CO.

The Canada Hardware Co., Limited, Montreal, have found their general offices too small for their needs, and have been forced to make changes in the arrangement of the departments, which are now going on. The private offices are being removed to the ground floor, and the general offices will in future be on the first floor, where they will have considerably more space.

THE IVER JOHNSON

TRUSS FRAME.

Has a mechanical and commercial value not possessed by other bicycles.

The trade appreciates and recognizes the fact.

It responds to a long-felt demand for something new in cycle construction; it has the advantage of racing weight, with roadster strength; a rigid crank hanger—greater speed; no buckling of frame.

Made of one-inch Tubing.

Agents wanted in unoccupied territory. Send for catalog just issued.



(FRAME PATENTED.)

IVER JOHNSON'S ARMS & CYCLE WORKS,

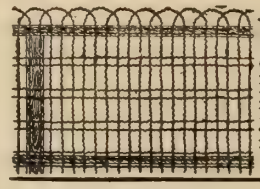
New York Salesroom—
99 Chambers Street.

FITCHBURG, MASS, U.S.A.

Zanzibar Paints

We do not say "there are no other good paints"; we do not have to sell our paints in that way, but we do say **ZANZIBAR PAINTS** in point of service and appearance are unequalled. Do you carry them in stock? You should. Write for our "Terse Talks."

THE ZANZIBAR PAINT CO., Limited - - Toronto, Can.



Page Metal Ornamental Fence. We now make fence that is ornamental, very showy and surprisingly cheap. It is just what is wanted for door yards, division fences in town lots, grave yards, orchards, etc. It is painted and retails at only **20 cts. PER RUNNING FOOT.** Just think of it. Let us send you full particulars. We also make farm fence, poultry netting, nails and staples.

The Page Wire Fence Co., Limited, Walkerville, Ont. 8

STANYON ENGINEERING CO.

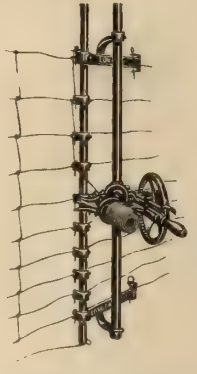
402 McKINNON BUILDING,

Phone Main 2177. TORONTO

CONTRACTING AND CONSULTING ENGINEERS.

Steel Works, all kinds of Rolling Mills, Wire Mills, etc., all built complete. Machinery designed for any purpose.

GENERAL OFFICES, - - PITTSBURG, Pa



LONDON FENCE MACHINES

Are so light, durable and practical, and so easily and rapidly operated, that farmers cannot help seeing that they are unlike any of the big, clumsy and costly machines which have been on the market.

The LONDON builds the highest standard of coiled spring woven wire fence, and as it will more than pay for itself the first year, our machines find quick sales and fast friends.

The agency for the LONDON will pay the dealer, and never fails to draw custom and please the purchaser.

Our Spring Catalogue will be out shortly and a copy will be forwarded on request. Write for our trade prices on coiled spring wire.

THE LONDON FENCE MACHINE CO., Limited.
LONDON, ONTARIO.

The Woman who Buys

The White Mountain Freezer



helps to spread the story of its merit. You know the benefit of word of tongue advertising. Probably no household article sold to-day gets so much of this kind of advertising as the White Mountain Freezer. We know of hundreds of instances where a plate of good ice cream has resulted in a thirty-minute talk on the merits of the freezer.

Think of it! You sell a freezer. The woman you sell to uses it—she serves the cream. Her guests eat it, they like it, they want a freezer that will make cream as good. She tells them where it can be had. You sell more freezers.

Is it possible to exaggerate the wisdom of selling an article that is well spoken of?

If you're not thoroughly familiar with the various points of merit in the White Mountain, write to-day for the best freezer catalogue ever made. Write for it anyway. We'll mail it to you free.

THE WHITE MOUNTAIN FREEZER COMPANY

NASHUA, NEW HAMPSHIRE.

A NEW STEAMER.

THE new steamer Venture which is being built at Victoria, B.C., for N. P. Shaw & Co. for the freight and passenger business between Victoria, Vancouver and Skagway will be constructed more on the model of the vessels on the great lakes than those at present plying on the coast. She will be specially built for heavy weather. Her length is 165 ft., breadth 37 ft., moulded depth 9 ft. 6 in. Her draught when light will be 8 ft. 6 in., and when laden 10 to 11 ft. Her pilot house will be well forward, and back of it will be accommodation for a limited number of passengers. She will be equipped with derricks and steam hoisting gear and a steam winch. She will have two decks, and will have accommodation for 200 head of cattle on the main deck, and 500 sheep and pigs on the upper. In her hold will be cargo space for 300 tons. She will be propelled by twin screws driven by engines fitted with fore and aft condensors which will work under a pressure of 150 lb. of steam per sq. in. The engines and boilers are being built by Alex. McDonald, Victoria, and the hull by the Victoria Machinery Depot. Her speed will be from eight to nine knots per hour.

VICTORIA TOURIST ASSOCIATION.

AT a meeting of the Victoria, B.C., Tourist Association, presided over by Mayor Hayward, on February 20, the reports of the provisional committee were received and officers elected for the coming year. A large attendance evidenced the interest displayed by the people at large.

The provisional committee that had been appointed at the regular meeting of December 20 reported that they had had an interview with the Dominion Fisheries Commissioners and asked for certain amendments to the fisheries regulations. This request was subsequently embodied in a memorial and forwarded to the Minister of Marine and Fisheries and the members of Parliament representing the districts included in the Island of Vancouver.

Although their canvass had not by any means covered the city, they had met with hearty and substantial responses, and now over $3,700 has been subscribed towards the work of the association. In moving the report, Mr. E. S. Rowe, in part, said that he was in favor of judicious advertising by means of pamphlets, circulars, folders.

Comfortable hotel accommodation should be provided, as should also amusements such as games and band concerts.

The sanitary condition of the city should also be improved. People should be encouraged to beautify the city, and the streets should be bettered. In seconding this motion, C. H. Lagrin said it was of much importance to the city and the Island that the fish should be preserved, and commended the provisional committee for the action they had taken.

His idea of the work of the Association was to commence operations in the territory west of the Mississippi and extend its scope until the whole of Eastern Canada and the United States was covered. They might also advertise in Great Britain, where there were numbers of people who had plenty of wealth and were willing to cover vast distances provided something worth seeing was at the other end.

A resolution was passed to the effect that the executive committee be requested to memoralize the City Council of Victoria and the Provincial Government to contribute financial aid to the Association.

The following officers were elected :

President—The Mayor.
1st Vice-President—D. R. Ker.
2nd Vice-President—L. G. McQuade.
Honorary Treasurer—A. B. Fraser, sr.
Secretary—Frank I. Clarke.
Executive Committee—Ald. W. G. Cameron, Stephen Jones, E. E. Blackwood, James Forman, Anton Henderson.

TO BE REPRESENTED AT BOSTON.

At a meeting of the Tourist Association, Fredericton, N.B., the coming Boston Sportmen's Show was talked over, and it was arranged that one of their members, at least, should be at the show throughout its duration. At this show a large amount of advertising literature will be circulated, explaining the attractions that that section of New Brunswick has for the tourist and sportsman.

The city council will be asked to donate $250 for the aid of the association in its work. It is felt that much more effective work could be done by this increased grant. Last year the amount given was $150. The city of St. John gives $500 to the tourist association every year.

LAWN GOODS CATALOGUE.

A little catalogue just issued by Lewis Bros. & Co. contains a list of the various articles that will be in demand before long for getting lawns into shape. Mowers, reversible lawn rakes, sprays, hose reels, hose menders, weeding hooks and hoes, grass hooks and ladies' floral sets are among the many articles, all illustrated, described, and prices given. The catalogue is a timely one, and readers of HARDWARE AND METAL dropping a card to Lewis Bros. & Co. will find it also a very useful one.

HORSE NAILS

Are like other articles: — "You pay your money and you take your choice." If you want the best Horse Nails, you have to pay the best price, simply because the best article costs the most to produce. We could make "low-priced" Horse Nails as well as any other maker in Canada, but it would be at the sacrifice of quality. We have been loyally supported by the trade in our endeavors to make only the best, and we offer the "C" brand, made by this Company since 1865, as representing the perfection of Horse-Nail manufacture in this country.

They are made exclusively from the best obtainable imported Swedish Charcoal Mild Steel Nail Rods, which are hot hammer forged, giving all the good qualities of the old-fashioned hand-made Nail, but with greater uniformity. The difference between the cost of our Nails and the low-priced inferior goods sold only represents a trifle in the Nails used in shoeing a horse. One-third of one cent is the difference on a set of shoes, when the difference in price is one cent per pound.

Don't sacrifice quality; support the manufacturer who is trying to make the best goods. Order from your wholesale dealer the "C" brand made by the

Canada Horse Nail Company,

. . . MONTREAL.

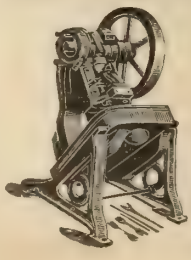


GLASS— Art Leaded Glass.
Plate and Window Glass
Prismatic Glass.

All Glass required for building.

Catalogue and Prices on Application.

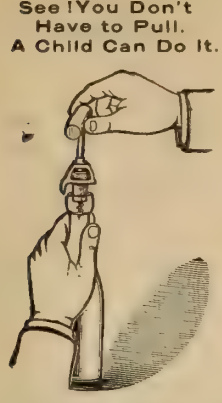
THE WOOD ART GLASS CO., London, Ont.

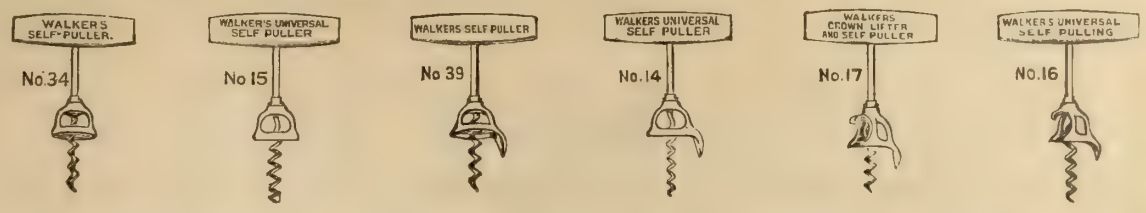


G. A. Crosby & Co. of Ontario, LIMITED
SARNIA, ONT.

Manufacturers of

Patent Automatic Can Making Machinery, Presses, Dies and Special Machinery for Working Sheet Metal.



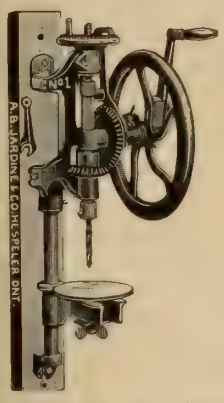


Walker's Self-Pulling Cork Screws

Made of Crucible Steel, Nickel Plated, Polished Apple Wood Handles.

EVERY ONE TESTED AND GUARANTEED. Several imitations on the market, but none as good

Mfrd. only by **ERIE SPECIALTY CO., Erie, Pa., U.S.A.**

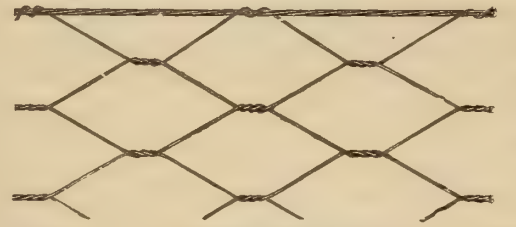


TRADE MARK J REGISTERED

Blacksmiths' Hand Drills.

The very best.

A. B. JARDINE & CO.
HESPELER, ONT.



First-class **FARM FENCING**

only 30 cents per ROD

For Sale by — With Discount to Dealers.

The Ontario Wire Fencing Co.,
PICTON, ONT. Limited.

FILES. **RASPS.**

WE ARE NOT IN THE TRUST.

Quality of our goods guaranteed and our discounts very liberal. A trial order solicited. Write for discounts.

99 Niagara St., **TORONTO FILE CO.**

CANADIAN GOODS FOR CANADIANS.

Lockerby & McComb

AGENTS IN CANADA

FOR THE

Celebrated P. & B. Cold Storage Lining

AND

. . Ruberoid Roofing . .

P. S.--Prices on Application.

65 Shannon Street, MONTREAL.

DEALERS

Do you sell the "GLORIA" Light?

WHY NOT?

Our goods are the best—our prices are the lowest. Our "United Gloria" Triple Weave Mantle is the strongest and most brilliant mantle in the market. We manufacture it and know when we sell it it will bring repeat orders. We manufacture "United" Single Weave and Gasoline Mantles and carry a large stock of Burners, Chimneys, Bulb Globes, Fancy Etched and Ruby Globes.

SEND FOR PRICE LIST.

THE UNITED INCANDESCENT LIGHT CO.

Phone Main 969. 7 Yonge St. Arcade, Toronto.

The Frost Wire Fence Company, Limited

WELLAND, ONT.

FACTORIES AT CLEVELAND, OHIO, AND WELLAND, ONT.

MAKERS OF **Frost Fencing, Frost Steel Gates, and Coiled Spring Wire.**

CLOSEST PRICES QUOTED ON APPLICATION.

Telephone: MAIN 2927 — Cable Address: "TIMA"

The International Mercantile Agency

JANES BUILDING . . . **of TORONTO**

begs to announce to the Manufacturers and Merchants of Canada that they have the most effective system for collecting past due and old accounts in Canada, United States and Europe, without using offensive methods to debtors. Our reputation has been established by doing business on business principles, and prompt remittances, and we will be pleased to refer prospective clients to the hundreds of patrons we are doing business with.

We will be pleased to quote our rates on application or send one of our representatives to call on you. Correspondence solicited.

THE INTERNATIONAL MERCANTILE AGENCY OF TORONTO

A Timely Talk to Business Men.

THE most necessary item in the preparation of a candidate for success is "self-stock-taking." He must make a careful inventory of his success-qualities and rate his possibilities so that he will know to a hair's breadth just what he measures, and, to a grain, just how much he weighs. In other words, he must first know himself, his powers and possibilities, before he can use them.

After he has taken his inventory, the next thing is to plan to get the most possible out of his capital; and, in doing this, he should be very careful not to allow his judgment and commonsense to be blinded by his ambition; for, if he does, in nine cases out of ten, he will destroy many of his possibilities by overtaxing them.

The man who would make the most of life must learn "to be good to himself"; that is, while he should strain every nerve to develop himself to the utmost, he must remember that his success will depend very largely upon the care he takes of his success-machine—that is, of himself.

Many so-called successful men are their own worst enemies. They would never think of abusing a horse or any other dumb animal as they impose upon themselves. They go without eating, are irregular at meals, and rob themselves of sleep and recreation; in fact, they violate every law of their physical and mental natures, and yet wonder why they are grey-haired, dyspeptic and broken-down before middle life. They cannot understand why their ambition and greed to get on in the world should not be the measure of their strength, and so they go on forcing their brains to work when every particle of nerve energy which was stored up the previous 24 hours has been exhausted.

THAT WHICH WILL MAINTAIN HEALTH IS NOT TOO COSTLY.

It makes all the difference in the world to you whether you cut off five, 10, or 15 years of your life by foolish indiscretion, abusing yourself by overworking, or depriving yourself of needed rest—by not knowing exactly how much you can stand — or whether you save those precious years by obedience to the laws of health.

Many people cramp their powers and dwarf their possibilities by denying themselves the comforts which make life harmonious and agreeable. For example, I have known people, who were travelling long distances by night, to go in a day coach, so as to avoid the expense of a sleeper, and either to carry their food and eat it on the train, or depend upon sandwiches or any little "pick-ups" that they could get at the stations along the road. Of course there are people who cannot afford the comforts—luxuries if you will—of travelling in sleeping cars and dining or lunching in dining saloons, in which case they must, of course, do the best they can. But those who can afford them make the greatest possible mistake by trying to economize at the expense of their physical and mental well-being, for they cramp themselves, and dwarf their energy and success-ability, just in proportion as they deny their bodies proper care.

There is nothing else so valuable as one's physical and mental energy, which should be preserved, at whatever cost. In other words, nothing is dear, which we can possibly afford, that will in any way help us to get on in the world faster and better.

Personal power is a great thing to achieve and maintain. Everywhere, in city and country, we see men and women, especially men, old at 30 or 35, their shoulders stooped, their hair grey, and their spirits broken. They have no elasticity in their step, no buoyancy in their bearing. They destroyed their possibilities in their overreaching ambition to become wealthy or famous — to out-distance all competitors. Their lives have become dry and sere, and they are nervous wrecks, when they should be in their physical and mental prime.

TAKE AMPLE TIME TO EAT YOUR LUNCHEON!

Thousands of well-meaning men deprive themselves of needed nourishing, force-giving food by trying to economize. They stand at a lunch counter and hastily swallow a sandwich and a glass of milk to economize time and money, when they owe it to themselves and to their highest well-being to go to a good restaurant or hotel, take time enough to eat a nutritious, properly-cooked and properly-served meal and give the stomach time to begin the process of assimilation before resuming work.

There is not only no economy in this, but it is the worst kind of extravagance. The greatest economy a success-candidate can practise is storing up the largest amount of success-force, vitality, nervous and mental energy in his constitution for effective and efficient achievement. To rob oneself of the food material which gives this magic force is like killing the goose which lays the golden eggs.

Many a man has mocked a magnificent natural ability with mediocre achievement, simply because he has ruined his success-machine by neglect, in failing to supply the motive power to run it.

Thousands of men have died amid the wreck of disappointed ambitions, having failed to carry out one tenth of what they expected and had the ability to accomplish, simply because they did not take proper care of themselves.

Would you not think that man insane who, possessing a reservoir of precious elixir of life, should bore gimlet holes through it, here and there, and let the life-power run to waste? Yet this is exactly what thousands of us are doing. We start out with a great pond or lake of life-power, and let the major part of it escape through the leaks made in the reservoir by our own carelessness or ignorance.

We are all the time cutting off our success-possibilities by wasting, here and there, life's force and energy, robbing ourselves of the reserve which alone would make great achievement possible; and yet we wonder why we do not succeed.

Lack of sleep, lack of exercise in the open air, lack of nourishing food, and of congenial intercourse with friends, overwork, doing our work in the spirit of drudgery—all these things are leaks which sap our energy and rob us of the great reserve of life-force which enables one to achieve results.

On account of the influence of your clothing upon your habits, your character and your success generally, be as generous with your dress, especially in material, as you can possibly afford.

If you have been handicapped in early life by lack of education, or of social advantages, and do not feel certain of yourself in society, it will help you wonderfully to dress well. It will tend to give you ease of manner and make your awkardness and lack of general culture less apparent. In other words, it will help to cover up little defects which may embarrass you, especially if you are over self-conscious.

KEEN OBSERVATION PRODUCTIVE OF EASE.

The very conviction or consciousness that you are deficient in matters pertaining to

WE have the nicest set of Hose samples ever shown to the Canadian trade. Don't fail to see them.

HOSE

GARDEN
STEAM
SUCTION
ETC.

Send for samples and quotations.

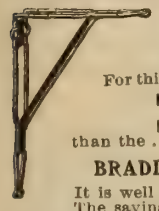
WE make Hose of all kinds for all purposes. Our equipment is the most modern and our goods are perfection.

MANUFACTURED BY

THE DURHAM RUBBER CO., LIMITED

Bowmanville, Ont.

Persons addressing advertisers will kindly mention having seen their advertisement in The Canadian Hardware and Metal Merchant.



Will Hold Up a Shelf!

That's what a shelf bracket is for. For this purpose there can be

NOTHING BETTER
NOTHING CHEAPER

than the . . . .

BRADLEY STEEL SHELF BRACKET

It is well **Japanned, Strong** and **Light.** The saving in freight is a good profit, aside from the **lower price** at which the goods are sold.

☞ Order direct or through your jobber.

ATLAS MFG. CO., New Haven, Conn., U.S.A.

WESTERN

Incorporated 1851.

ASSURANCE COMPANY

Fire and Marine

Capital - -	**$2,000,000.00**
Assets, over - -	**2,900,000.00**
Annual Income -	**3,000,000.00**

Head Office: TORONTO, ONT.

Hon. Geo. A. Cox, President. J. J. Kenny, Vice-Presiden. C. C. Foster Secretary.

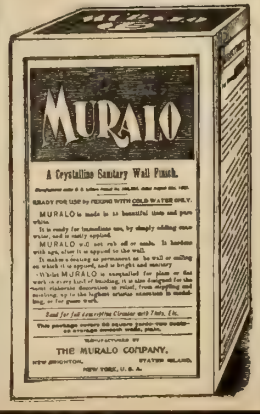
HOLLYWOOD

Buffalo, Chicago,
New York, Columbus, O.

PAINT CO., Limited

Hollywood Paste Paints — **Enamels**
Hollywood Liquid Paints — **Agricultural Colors**
Hollywood Floor Paints — **Dry Colors**
Hollywood White Lead — **Varnishes.**

CANADIAN WORKS - HAMILTON, ONT.



MONEY IN GOOD WALL FINISH.

There are lots of good money-makers in the world if we only knew them. **MURALO** is a money-maker, because it is the best **COLD WATER** Wall Finish in the world, the best advertised, the nicest colors, easier to work and healthier than any other. There is a great demand for a good Wall Finish—**MURALO** supplies it.

Agents:

A. RAMSAY & SON, - - -	**MONTREAL**
J. H. ASHDOWN, - - -	**WINNIPEG**
McLENNAN, McFEELY & CO., -	**VANCOUVER**

culture and social usages tends to aggravate those defects, and you should avoid self-consciousness in every possible way. Neat, bright, yet fashionable well-fitting clothing will help you very materially.

The wise man tries to compensate for his deficiencies in every way he can. It pays, therefore, to avoid bad impressions when strangers first meet you, for they will put you to a great disadvantage if you are too self-conscious and timid.

People who have not had early advantages, but have come into prominence through achievement, are often placed at great disadvantage, and they should study ways to compensate for these deficiencies. In other words, we should do everything possible to bring ourselves into harmony with our surroundings, because we cannot exhibit strength or use our success-force until we are at ease or in harmony with our environment.

Many shrewd men and women have been able to cover up early deficiencies in education and culture generally by close observation, and by adopting dress and manners like those with whom they associate. [A keen observation is one of the greatest assistants in the acquirement of ease and power.

Many hard-worked business and professional men think they cannot afford a vacation. These people know very well that they cannot work their horses all the time, nor could they expect any of their employes to work all the time and stand it.

There is, perhaps, nothing which pays better or is more beneficial than a vacation. Most of us, sooner or later, learn — unfortunately, most of us learn later—that we cannot get more money out of a bank than we deposit there. Our drafts on nature's bank cannot exceed the reserve of the deposits.

In youth, we store up a reserve of physical and mental energy, which, if properly used, will enable us to overdraw temporarily in emergencies, but, if we use, from day to day, more nervous or vital force than is generated during each 24 hours, it does not require a great mathematician to convince us that we shall soon be bankrupt.

A man, therefore, who has been tied up many months in his store or office, or confined by his vocation, whatever it may be, although he may not have worked very hard, requires a complete change of surroundings; he needs a new mental environment.

GO INTO THE COUNTRY FREQUENTLY AND GET NEW LIFE!

People in routine work soon lose their elasticity of mind, their buoyancy and spontaneity of thought; their imagination becomes torpid, and nothing else will then refresh the faculties and functions so quickly as a complete change of surroundings.

How quickly, for example, one's whole nature responds to a change from the city to the country! A man who feels heavy, tired, and languid, in the city, feels ten years younger when he gets into the country. He is a boy again; his imagination becomes enlivened, and his whole life is rejuvenated. It is not always because one is overworked that he needs a vacation; for man is an omnivorous animal, and requires a variety of food.—Success.

COPPER CONSUMPTION IN EUROPE.

The diminished consumption of copper in Europe in 1901 had a very important effect on the copper market for the year, as has been heretofore noted. The following table, the figures for which are furnished by the circular of Henry R. Merton & Co., of London, show approximately the consumption of copper in Great Britain and on the continent of Europe for the year, and the sources from which the supplies were drawn. The figures are in long tons of 2,240 lb.:

	1900.	1901.	Changes.
Stocks January 1	22,817	28,860	I. 6,043
Receipts from—			
North America	161,209	94,670	D. 66,539
Spain and Portugal...	26,749	24,134	D. 2,615
Other countries	45,919	53,267	I. 7,348
Chili	25,700	30,650	I. 4,950
Australia	20,800	25,200	I. 4,400
Total supplies....	280,377	227,921	D. 52,456
Totals	303,194	256,781	D. 46,413
Deliveries for consumption	269,635	227,533	D. 42,102
Shipment of standard to U. S.....	4,699	7,197	I. 2,498
Totals	274,334	234,730	D. 39,604
Stocks Dec.31....	28,860	22,051	D. 6,809

The total falling off in consumption, as shown by this statement, was 15.6 per cent., which was due in part to the depressed condition of trade.

KAMLOOPS BOARD OF TRADE.

At the annual meeting of the Kamloops, B.C., Board of Trade there was a good attendance, and several new members were added.

A letter to Andrew Carnegie was read and adopted, asking him for assistance towards the erection of a sanatorium somewhere in the dry belt of British Columbia.

It was decided to withdraw from the membership of the Associated Boards of Trades of Eastern British Columbia.

It was moved that the C.P.R. be asked to hurry forward the equipment of their engines with electric headlights.

The election of officers resulted as follows:

President—J. T. Robinson.
Vice-President—J. R. Michell.
Secretary—J. F. Smith.
The Council—Messrs. J. A. Gill, M. P. Gordon, F. J. Fulton, J. M. Harper, T. J. Roadley, Dr. Proctor, J. Vair, N. J. Hopkins, H. Ashby, Dr. Wade and A. McIntyre.

CONDENSED OR "WANT" ADVERTISEMENTS.

Advertisements under this heading, 2c. a word each insertion; cash in advance. Letters, figures, and abbreviations each count as one word in estimating cost.

WANTED.

LOT OF SECOND-HAND TINSMITHS' TOOLS, in good condition. Apply giving list of same, to HARDWARE AND METAL, Toronto, Box 80. (9)

BUSINESS FOR SALE.

HARDWARE BUSINESS, IN A GROWING town. Prosperous farming section. Good location and premises. Opening for plumbing in connection. Business established thirty years. Owner has other interests. Address, Box 74, HARDWARE AND METAL, Montreal or Toronto. (8-tf.)

TRAVELLER WANTED.

WANTED—FOR MANITOBA AND NORTH-West Territories an experienced hardware traveller for Montreal wholesale hardware firm. A splendid opening for a steady, good "hustler." A good salary will be paid to the right man. Applicant must have good connection with western trade—none other need apply. Good references required. Apply to Box L, HARDWARE AND METAL, Montreal. (9)

Canadian Wringer Co.

Manufacturers of the following

CLOTHES WRINGERS

Queen,	Eureka,
Royal Canadian,	New Eureka,
New Metropolitan,	Stone,
New Lightning,	Jubilee Ball Bearing,
	Etc., Etc.

All our Rolls are of Solid White Rubber and Vulcanized to Shaft. . . . Send for Catalogue and Discounts.

16 SHEPPARD STREET, TORONTO.

TOOLS

We make tools required by

Stone Workers, Cement Workers, Paving, Building, Sewer and Railroad Contractors.

Likewise Special Wrought Iron or Steel Work to drawings. Estimates promptly furnished for any quantity. You ought to know our advantages. Correspondence solicited.

W. H. ANDERSON & SONS,

Factory and Main Office— DETROIT, MICH

Canadian Branch, with Eureka Planter Co., WINDSOR, ONT.

LOOKING FOR MAPLE LEAVES.

It seems early to talk about looking for leaves, but this is what Hardware and Stove dealers are doing all the year round when buying stove brick. They are looking for the "Maple Leaf" brand on our goods, and they will have no other make. Over 200 varieties to choose from. Write for catalogue.

JONES BROS., Bracondale, P.O., Ont.

Lace Leather

Send direct to us for the celebrated "NIAGARA" Brand Lace Leather, best produced in this country. Yellow and White in Sides or Cut Strings. Prices and Samples on application.

WOOD BROS.
Tanners of High-Class Leathers,
ST. CATHARINES, ONT.

John Bowman

HARDWARE & COAL CO.

LONDON, ONT.

SKATES SKATES SKATES

We have a large stock of SKATES to dispose of and will fill all orders promptly at closest prices.

Cutlery Cutlery Cutlery

Special Lines Special Prices

English and German Table and Pocket Cutlery, Cases, Carvers, Razors, Scissors, Pen and Pocket and Table Cutlery in great variety.

Special Prices.

After Stock-Taking

You will be replenishing your stock, so we wish to keep before your notice, "**Dominion**" Goods, all of which bear the following Trade Mark, which is a guarantee of quality:

SHELF GOODS — DOMINION WIRE MANUFACTG. CO. LTD. DOMINION TRADE MARK. — HEAVY GOODS

Wood Screws, Wire Nails, (Papers), Bright Wire Goods, Wire Door Pulls, Steel and Brass Jack Chain, "Crescent" Wire Coat and Hat Hooks.	Wire Nails, Iron and Steel, Brass and Copper, Hay Baling, Pulp Binding, Galvanized, Barbed.	WIRE

Bed, Blind, and Poultry Netting. } **STAPLES** { Bright and Galvanized Fence.

BROOM, MATTRESS, BOTTLING, and other wires.

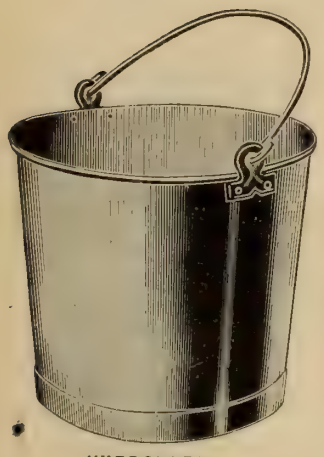
Dominion Wire Manufacturing Co.

MONTREAL Limited TORONTO

LEADERS from COAST TO COAST

ARE OUR

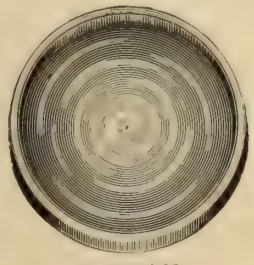
•—MILK PAILS—•



"HERCULES"

Heavy.
Enduring.
Rustless.
Useful
Leaders.
Easy
Sellers.

See how "Hercules" bottom is made.



BOTTOM



SECTION

Deep Double Rolled Rim.

Quality
Unsurpassed.

Easily
Emptied.

Never Break.



"QUEEN"

Made of IXX Charcoal Tin, with heavy bails, Malleable Ears, XXXX Retinned Bottoms.
Prices right. Prompt delivery. Order sample dozen.

(BOTTOMS ALSO SOLD SEPARATE.)

THE THOS. DAVIDSON MFG. CO., Limited, MONTREAL, P.Q.

ESTABLISHED 1860. INCORPORATED 1895.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

Montreal, February 28, 1901.

HARDWARE.

THE hardware business in general this week is active, and in nearly every item of the trade prices have been steady. The change in the discount of pressed spikes was inadvertently overlooked in these columns. It is now 25 per cent. instead of 22½ per cent. Prices on washing machines also show a slight reduction. Wholesale hardware houses report a rapidly increasing sale for paints and oils, while other lines of trade are much the same as last week.

BARB WIRE.—We quote $3 per 100 lb. f.o.b. Montreal.

GALVANIZED WIRE. Trade fair. We quote: Nos. 6, 7, and 8 gauge, $3.15; No. 9, $2.80; No. 10, $3.55; No. 11, $3.65; No. 12, $2.95; No. 13, $3.05; No. 14, $4.05; No. 15, $4.55; No. 16, $4.80; No. 17, $5.20; No. 18, $5.45.

SMOOTH STEEL WIRE.—A big improvement is noted this week in the demand. Our quotations are as follows: Bright iron and annealed on a base of $2.60 per 100 lb., f.o.b. Montreal, Toronto, Halifax, London, Hamilton and St. John. Net extras, per 100 lb. are as follows: Coppered wire, 60c.; tinned wire, $2; oiling, 10c.; spring wire, $1.25; best steel wire, 75c.; bright soft drawn, 15c.; special hay-baling wire, 30c.

FINE WIRE. The discount is 22½ per cent.

BRASS AND COPPER WIRE.—Business is as usual. The discount on both brass and copper wire is 60 per cent.

FENCE STAPLES.—These are in good demand for spring delivery. Prices per 100-lb. keg are: Bright, $2.90; galvanized, $3.25.

WIRE NAILS.—Trade is active at current quotations. We quote as follows: $2.55 for small lots and $2.50 for carlots f.o.b. Montreal, London, Hamilton, Toronto, Gananoque, Brantford, Windsor, Ont., St. John and Halifax.

CUT NAILS.—There is little doing. The price is $2.35 per keg in small lots and $2.27½ in carlots. Flour barrel and coopers' nails are discounted at 40 per cent.

HORSE NAILS.—There is very little doing. We quote: "C" brand at 50 and 7½ per cent. off and "M" brand at 60 per cent. off on oval and new city heads and 66 2-3 per cent. off for new countersunk heads.

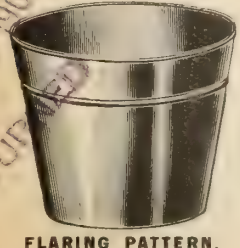
HORSESHOES.—There is nothing doing. We quote as follows: Iron shoes, light and medium pattern, No. 2 and larger, $3.50; No. 1 and smaller, $3.75; snow shoes, No. 2 and larger, $3.75; No. 1 and smaller, $4; X L steel shoes, all sizes, 1 to 5, No. 2 and larger, $3.60; No. 1 and smaller, $3.85; feather-weight, all sizes, $4.85; toe weight, steel shoes, all sizes, $5.95 f.o.b. Montreal; f.o.b. Hamilton, London and Guelph, 10c. extra.

SCREWS.—The demand for screws steadily improves, and a good number of orders have been booked this week for spring. The discounts follow: Flat head bright, 87½ and 10 per cent. off list; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.

BOLTS.—The demand continues good. Our quotations are as follows: Norway carriage bolts, 60 and 5 per cent.; common, 55 and 5 per cent.; full square carriage bolts, 60 and 5 per cent.; machine bolts, 55 and 5 per cent.; coach screws, 70 per cent.; sleigh shoe bolts, 70 per cent.; blank bolts, 60 per cent.; bolt ends, 60 per cent.; plough bolts, 55 and 5 per cent.; tire bolts, 67½ per cent.;



STRAIGHT PATTERN.



FLARING PATTERN.



Sap Pails and Spiles.

The sugar-making season is close at hand now, and you will insure yourself a good season's trade in sap pails and spiles by ordering early.

Sap Pails.

We make them in **both** straight and flaring patterns—three sizes in each.

"Eureka" Cast Iron Sap Spiles

are well known, and generally acknowledged to be the best on the Canadian market.

Galvanized Iron

in the following sizes and gauges always in stock:

48 x 96 x 16	48 x 96 x 18	48 x 96 x 20
48 x 96 x 22	36 x 96 x 20	36 x 96 x 24

Tinned Iron.

48 x 96 x 22	48 x 96 x 24	**Also I C and I X**
36 x 84 x 22	36 x 84 x 24	**Tin for Sap Pails.**

The McClary Manufacturing Co.

LONDON, TORONTO. MONTREAL, WINNIPEG, VANCOUVER, ST. JOHN, N.B.

"Everything for the Tinshop."

ENGLISH
GERMAN
BELGIAN
CANADIAN
AMERICAN
} PORTLAND CEMENTS.

FIRE
BUILDING
ENAMELLED
SILICA
MAGNESIA
} BRICKS.

DRAIN
CULVERT
} PIPES.

F. HYDE & CO.
31 WELLINGTON ST., MONTREAL

. . FULL STOCK . .
Salt Glazed Vitrified



Double Strength Culvert Pipe a Specialty.
THE CANADIAN SEWER PIPE CO.
HAMILTON, ONT. TORONTO, ONT.
ST. JOHNS, QUE.

Deseronto Iron Co.
LIMITED
DESERONTO, ONT.
Manufacturers of
CHARCOAL PIG IRON
BRAND "DESERONTO."

Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

The Robin Hood Powder Company

If you want the best Trap or Game load in the world, buy "Robin Hood Smokeless," in "Robin Hood" Shells. It is quick, safe, and reliable. Try it for pattern and penetration from forty to seventy yards against any powder on the market. We make the powder, we make the shells, and we load them. Write for our booklet, "Powder Facts."

The Robin Hood Powder Company
SWANTON, VT.

stove bolts, 67½ per cent. To any retailer an extra discount of 5 per cent. is allowed. Nuts, square, 3¾c. per lb. off list; hexagon nuts, 4c. per lb. off list. To all retailers an extra discount of ¼c. per lb. is allowed.

BUILDING PAPER.—There is a fair inquiry, and prices are steady at our last quotations. We quote as follows: Tar red felt, $1.70 per 100 lb.; 2-ply, ready roofing, 85c. per roll; 3-ply, $1.10 per roll; carpet felt, $2.25 per 100 lb.; dry sheathing, 30c. per roll; tar sheathing, 40c. per roll; dry fibre, 50c. per roll; tarred fibre, 60c. per roll; O K and I X L, 65c. per roll; heavy straw sheathing, $30 per ton; slaters' felt, 60c. per roll.

CORDAGE. Since the advance of last week in sisal rope there has been nothing new. Business continues brisk. We quote as follows: Manila, 16c.; British manila, 13½c.; sisal, 12½c.; lathyarn 11c. Prices on binder twine are as follows: Blue ribbon, 650 feet to the pound, 14½c.; Redcoat, 600 feet to the pound, 13½c.; Tiger, 550 feet to the pound, 12½c.; Standard, 500 feet to the pound, 11c.; sisal, 500 feet to the pound, 11c. Prices are subject to a rebate of ½c. in carload lots.

RIVETS AND BURRS. Trade is only fair. The discounts are as follows: Best iron rivets, section, carriage, and wagon box, black rivets, tinned do., coopers' rivets and tinned swedes rivets, 60 and 10 per cent.; swedes iron burrs are quoted at 55 per cent. off; copper rivets, 35 and 5 per cent. off, and coppered iron rivets and burrs, in 5-lb. carton boxes, are quoted at 60 and 10 per cent. off list.

SCREEN WIRE CLOTH.—There is still an active inquiry for spring delivery. The price is $1.25 per 100 square feet.

POULTRY NETTING.—The demand is moderate. Canadian or English is discounted at 60 per cent. off 2 x 2 mesh, 19 wire, and 55 per cent. off 2 x 2 mesh, heavier, Canadian list.

HARVEST TOOLS.—The discount is 70 per cent.

FIREBRICKS.—There is not much doing. Scotch sell for $19 to $23.50 and English, $18.50 to $22.50 per 1,000.

CEMENT.—The demand for cement continues moderate. We quote as follows: German cement, $2.30 to $2.40; English, $2.25 to $2.35; Belgian, $1.70 to $1.95 per bbl. ex-wharf, and American, $2.20 to $2.30 ex-cars.

METALS.

The strong position of practically all metals on the foreign markets continues, and there is no prospect of a break for some time to come. The fact that manufacturers have taken about all the orders they can fill up to April or May, and the firm price of the raw material, will further tend to keep a strong metal market. Locally, business is quite active for forward shipment. Some houses are in receipt of a record-breaking number of orders. We quote:

PIG IRON.—Business is good. Summerlee sells for $21 to $21.50 and Canadian, $18.50 to $19.

BAR IRON.—There is an active inquiry for bar iron at our last quotations. Merchants' bar, in small lots, is worth $1.95; horseshoe iron, $2.15 to $2.20.

BLACK SHEETS.—There is a moderate demand and the market continues firm. No quotable change has occurred. Our quotations are as follows: 28 gauge,

THE BEST BRANDS

TINPLATES
"Allaways" Charcoal.
"Lydbrook," "Trym," "Grafton" Cokes.
TINNED SHEETS
"Wilder" Best Coke or Charcoal.
TERNE PLATES
"Dean," dull finish.
CANADA PLATES
"Dominion," polished.
Accept no Substitutes.
A. C. LESLIE & CO.
MONTREAL.



IRON AND BRASS
Pumps
Force, Lift and Cistern Hand and Power.
For all duties. We can supply your wants with—quality the best and prices right. Catalogues and full information for a request.
THE R. McDOUGALL CO., Limited,
Manufacturers, GALT, CANADA.

ADAM HOPE & CO.
Hamilton, Ont.
We offer for prompt shipment
Pig Tin,
L. & F. and STRAITS.
Ingot Copper, O.C.
Pig Lead.
Spelter.
Antimony.

NOVA SCOTIA STEEL & COAL CO., Limited
NEW GLASGOW, N.S.
Manufacturers of
Ferrona Pig Iron
And SIEMENS MARTIN
OPEN HEARTH STEEL.





You profit by our experience when you sell your customers **ELASTILITE VARNISH.**

We not only know how to make it good, but always do so. Our guarantee goes with every tin to protect you. In tins only, from ½-pints to 1-gallon.

MANUFACTURED ONLY BY

The Imperial Varnish & Color Co. LIMITED

Toronto, Ont., Canada.

Canadian Agents for Buehne's "Red, White and Blue" Brand Steel Wool.

"Ark Brand" Paint

There is a positive demand for honest paint.

Paint that is produced, not with the idea of how cheap it can be made, but how good, regardless of cost.

No better all-round paint can be made than our "Ark Brand" for outside and inside use.

There is a sale for "Ark Brand" everywhere it is carried in stock.

The live dealer will not overlook this item in stocking paint for the coming season. Let us hear from you. Our guarantee on every can of "Ark Brand."

THE FRANCIS-FROST CO. Limited

TORONTO.

Canadian Distributing Agents for Grippin's Crack Filler.

$2.65 ; 26 gauge, $2.60 ; 20 to 24 gauge. $2.50, and 8 to 20 gauge, $2.50.

GALVANIZED IRON. The demand is light and prices are steady, as follows : No. 28, Queen's Head, $4.40 ; Apollo, 10¾ oz., $4.40 ; Comet, $4.25 with 10c. extra in less than case lots.

INGOT COPPER.—We quote 14c.

INGOT TIN.—There is a small amount of business being done. Straits are worth 29 cents.

PIG LEAD.—Trade is active. The price is $3.25.

LEAD PIPE.—The demand is fair. We quote : Composition waste, 7½c.; ordinary, 7c. The discount is 35 per cent.

IRON PIPE.—There has been no change since our last report and at current quotations there is a good demand. Our quotations are as follows per 100 feet, for standard pipe, screwed and coupled, in lengths under 19 feet : Black pipe, ⅛, $3 ; ¼, $2.50 ; ⅜, $2.75 ; ½, $3 ; ¾, $3.70 ; 1-inch, $5.25 ; 1¼, $7.40 ; 1½, $8.90 ; 2-inch, $12.40 Galvanized, ⅜, $3.55 ; ½, $4 ; ¾, $5.05 ; 1-inch, $7.25 ; 1¼, $10 10 ; 1½, $12.15 ; 2-inch, $16.70. Extra heavy pipe, plain ends, are quoted, per 100 feet, as follows : Black, ½, $4.35 ; ¾, $5.30 ; 1-inch, $7.60 ; 1¼, $10.60 ; 1½, $12.70 ; 2-inch, $17.45. Galvanized, ½, $5.35 ; ¾, $6.70 ; 1-inch, $9.60 ; 1¼, $13.30; 1½, $15.95 ; 2-inch, $21.75. For threads and couplings, 5 per cent. is added.

TINPLATES.—The demand keeps up. Cokes sell for $4.50 per box, and charcoal, $4.75 to $5.25.

CANADA PLATE.—There is a good business being done this week in Canada plates, and prices have, if anything, a firmer tendency. Our quotations are as follows : 52's, $2.65 to $2.70 ; 60's, $2.75 to $2.80 ; 75's, $2.80 to $2.85 ; full polished, $3.75, and galvanized, $4.25 to $4.35.

STEEL.—There is a good demand for steel, and prices, generally, are firm. Sleighshoe has advanced 5c., and bar steel is also 5c. higher. We quote as follows : Sleighshoe, $2.10 ; tire, $2.15; bar, $2.05 ; spring, $2.85 ; machinery, $3.00 ; toecalk, $2.60.

SHEET STEEL.—Trade is not active. We quote : Nos. 10 to 20, $2.50 ; 3-16, $2.50 ; ¼, 5-16 and ⅜, $2.40.

TOOL STEEL.—There is only a moderate trade doing. Diamond is worth 8c., and Jessop's, 13c.

TERNE PLATES. The demand is still light, and the price is $7.75 to $8.

COIL CHAIN.—All chains are going well this week, and as the season advances the market improves. No quotable change has occurred, but prices remain firm. Our quotations are as follows: No. 6, 12½c.; No. 5, 10½c.; No. 4, 10c.; No. 3, 9½c.; ¼-in., 7½c. per lb.; 5-16, $4.80 ; 5-16 exact, $5.25 ; ⅜, $4.25 ; 7-16, $4.05 ; ½, $3.85 ; 9-16, $3.75 ; ⅝, $3.55 ; ¾, $3.50 ; ⅞, $3.45 ; 1-in., $3.45. In carload lots an allowance of 10c. is made.

SHEET ZINC.—There is not much doing. The price is $5.75 to $6.25.

ANTIMONY.—We quote 10c.

ZINC SPELTER.—The market is dull. We quote 5c.

SOLDER.—An active inquiry continues at steady and unchanged prices. Bar solder sells for 18c.; wire solder, 20c.

PAINTS AND OILS.

There has been no quotable change since our last report. The turpentine and linseed oil markets remain firm at current quotations. The latter is fluctuating on the primary markets, but there has been no marked change either one way or the other. Paris green is in heavy demand, and it looks as though dealers were expecting to do an unusually good business when the active season opens. We quote as follows :

WHITE LEAD.—Best brands, Government standard, $5.87½; No. 1, $5.50 ; No. 2 $5.12½ ; No. 3, $4.75 ; No. 4, $4.37½ all f.o.b. Montreal. Terms, 3 per cent. cash or four months.

DRY WHITE LEAD—$5.25 in casks ; kegs, $5.50.

DRY WHITE ZINC — Pure dry, 6¼c. ; No. 1, 5¼c. ; in oil, pure, 7¼c. ; No. 1, 6¼c. ; No. 2, 5¼c.

PUTTY — We quote : Bulk, in bbls., $1.90 per 100 lb. ; bulk, in less quantity, $2.05 ; bladders, in bbls., $2.25 ; bladders, in 100 or 200 lb. kegs or boxes, $2.40 ; in tins, $2.55 to $2.65 ; in less than 100-lb. lots, $3 f.o.b. Montreal, Ottawa, Toronto, Hamilton, London and Guelph. Maritime Provinces, 10c. higher, f.o.b. St. John and Halifax.

ORANGE MINERAL—Casks, 7c. ; 100-lb. kegs, 7¼c. ; smaller quantities, 8¼c.

RED LEAD — Genuine red lead in casks, $4.50 ; in 100-lb. kegs, $4.75 ; less quantities, $5.75 per 100 lb. No. 1 red lead, casks, $4.25 ; kegs, $4.50, and smaller quantities, $5.50.

LITHARGE—Ground, casks, 5c. ; less, 5½c. ; flake litharge, casks, $5.25 ; smalls, $5.75 per 100 lb.

LINSEED OIL.—Raw, 80c.; boiled, 83c. In 5 to 9 bbls., 1c. less ; 10 to 20 bbl. lots open, net cash, plus 2c. for four months. Delivered anywhere in Ontario

between Montreal and Oshawa at 2c. per gal. advance and freight allowed.

TURPENTINE.—Single bbls., 67c.; 2 to 4 bbls., 66c.; 5 bbls. and over, open terms.

SHELLAC VARNISH — Pure white, $2.35 to $2.45; orange, $2.25 to $2.35.

MIXED PAINTS—$1.20 to $1.45 per gal.

CASTOR OIL—8¾ to 9¼c. in wholesale lots, and ¼c. additional for small lots.

SEAL OIL—47½ to 49c.

COD OIL—32½ to 35c.

PARIS GREEN — Petroleum barrels, 16¾c. per lb.; arsenic kegs, 17c.; 50 and 100-lb. drums, 17½c.; 25-lb. drums, 18c.; 1-lb. packages, 18½c.; ½-lb. packages, 20½c.; 1-lb. tins, 19½c.; ½-lb. tins, 21½c. f.o.b. Montreal. Terms: 3 per cent. 30 days, or four months from date of delivery.

SCRAP METALS.

Business in scrap metals is as good as can be expected at this season. A few small advances have been made in copper and brass scrap. There is practically no cast scrap iron in the market, and wrought iron is also scarce. We quote: Heavy copper and wire, 11½c. per lb.; light copper, 9c.; heavy red brass, 11c.; heavy yellow, 9c.; light brass, 6c.; lead, 2⅞ to 2⅝c.; zinc, 2 to 2¼c.; iron, No. 1 wrought, $17; machinery scrap, $16; stove plate, $9 to $11; light iron, No. 2, $7 per ton; malleable and steel, $4; rags, country, 60 to 70c. per 100 lb.; old rubbers, 6 to 6½c. per lb.

GLASS.

There is an active demand for glass for spring delivery, and a good business is doing in small lots for immediate requirements. The market remains firm, but no changes have occurred in prices. Our quotations are as follows: First break, 50 feet, $2.10; second, $2.20 for 50 feet; first break, 100 feet, $4.00; second break, $4.20; third break, $4.70; fourth break, $4.95.

HIDES.

The hide market remains quiet and featureless. No. 1 hides are worth 7c.; No. 2, 6c.; No. 3, 5c. Lambskins, 65c.

MONTREAL NOTES.

The discount on pressed spikes is 25 per cent.

Sleighshoe and bar steel have each advanced 5c.

ONTARIO MARKETS.

Toronto, February 28, 1902.

HARDWARE.

THERE has been no material change in the situation since last week. The wholesale hardware trade is not active, and at this season of the year it seldom is. Most of the orders on spring account have been booked, and shipments will begin in a week or so. In such lines as sap buckets, milk-can trimmings, and dairy and cheese-factory supplies generally, the shipments have been quite heavy during the week. The sorting up business in general hardware is fair for this time of the year, and what is being ordered in that way just now is wanted immediately. Orders for wire nails are not coming in as fast as they were, but there are still a few being booked. A slightly better movement is reported this week in both tinware and enamelled ware. Some orders for refrigerators have been booked during the week for future delivery.

BARB WIRE.—Not many orders have been booked during the past week, most of them for spring delivery having already been placed. We quote: F.o.b. Cleveland, $2.77½ for less than carlots, and $2.65 for carlots. From stock Toronto, $3.

GALVANIZED WIRE.—Most of the business on spring account has also been done in this line, only an occasional order now coming forward. Our quotations are as follows: Nos. 6, 7 and 8, $3.50 to $3.85 per 100 lb., according to quantity; No. 9, $2.85 to $3.15; No. 10, $3.60 to $3.95; No. 11, $3.70 to $4.10; No. 12, $3 to $3.30; No. 13, $3.10 to $3.40; No. 14, $4.10 to $4.50; No. 15 $4.60 to $5.50; No. 16, $4.85 to $5.35 Nos. 6 to 9 base f.o.b. Cleveland are quoted at $2.52½ in less than carlots and 12c. less for carlots of 15 tons.

SMOOTH STEEL WIRE.—Business is confined to an occasional order for spring delivery. Base price is $2.60 per 100 lb. Oiling, 10c.; coppering, 60c.; and tinning, $2 per 100 lb. extra. Delivery points Toronto, Hamilton, London and Montreal, with freights equalized on those points.

FINE STEEL WIRE.—There is a little business being done in stovepipe wire. Discount 22½ per cent.

WIRE NAILS. Orders are not coming in as fast as they were. For immediate shipment a few sorting-up orders are coming in. Our quotations are as follows: $2.55 for less than carlots and $2.50 for carlots. Delivery points, Toronto, Hamilton, London, Gananoque and Montreal.

CUT NAILS.—Still dull. We quote as follows: Base price $2.35 per keg, with 7½c. allowance on carlots.

HORSE NAILS.—Practically nothing doing. Discounts are as follows: "C" brand, oval head, 50 and 7½ per cent., and on "M" and other brands, 50, 10 and 5 per cent. Countersunk head 60 per cent.

HORSESHOES.—Very little doing. We quote f.o.b. Toronto as follows: Iron shoes, No. 2 and larger, light, medium and heavy, $3.60; snow shoes, $3.85; light steel shoes, $3.70; featherweight (all sizes), $4.95; iron shoes, No. 1 and smaller, light, medium and heavy (all sizes), $3.85; snow shoes, $4; light steel shoes, $3.95; featherweight (all sizes), $4.95.

SCREWS.—Trade is fair. Discounts are as follows: Flat head bright, 87½ and 10 per cent.; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.; round head bronze, 65 per cent., and flat head bronze 70 per cent.

RIVETS AND BURRS.—Trade is just fair. We quote: Iron rivets, 60 and 10 per cent.; iron burrs, 55 per cent.; copper rivets, with usual proportion of burrs, 45 and 10 per cent.; copper burrs alone, 30 and 10 per cent.

BOLTS AND NUTS.—A fair business is being done this week. Quotations are as follows: Carriage bolts, common ($1 list), 55 and 5 per cent.; carriage bolts, full square ($2.40 list), 60 and 5 per cent.; carriage bolts, Norway iron ($3 list), 60 and 5 per cent.; machine bolts, all sizes, 55 and 5 per cent.; coach screws, 70 per cent.

We have on hand a large stock of steel sheets for making

EMBOSSED CEILINGS,

etc., and are now prepared to make prompt shipment of anything required in our line, and shall be pleased to receive your orders which shall have our best attention.

The Metallic Roofing Co.
LIMITED
Wholesale Manufacturers
TORONTO, - - - CANADA

ROPE.—Trade is dull. The outside hemp markets rule steady. We quote: Pure manila, 16c.; British mbnila, 13½c.; sisal, 12½c.; lathyarn, 11c.

MILK-CAN TRIMMINGS.—Shipments have been going forward freely during the past week. Discount is 25 per cent.

SAP BUCKETS.—The demand has shown increased activity during the week, and dealers have been pressing for delivery. Discount is 40 and 10 per cent.

TINWARE AND ENAMELLED WARE. There has been an increasing demand during the week, and compared with the early part of the month business is much better.

EVETROUGH.—A few shipments have gone forward, but the regular movement can hardly be said to have begun. The movement to fix up prices has not yet obtained its object, and the ruling price for 10-inch is still $3.10 per 100 feet.

REFRIGERATORS.—A few orders are being booked for future delivery, but they are so far only for small quantities.

SCREEN DOORS AND WINDOWS.—Very few orders are now being taken and shipments will soon begin. Common doors, 2 or 3 panel, are quoted f.o.b. factory points as follows: Walnut, stained, 3-in. style, $6.80 per dozen; stained, yellow, $7; natural color, oil finish, $8.15; 4-in. style, 20c. extra per dozen. Windows: No. 0, $1.60; No. 1, $1.70; No. 2, $1.95; No. 3, $2.10; No. 4, $2 50 per dozen.

GREEN WIRE CLOTH.—Trade is quiet and price unchanged at $1.25 per 100 square feet.

SPADES AND SHOVELS. There is a little more doing than there was, but the volume of business is still light. It is yet too early to begin shipments. Discount is 40 and 5 per cent

HARVEST TOOLS.—A few are beginning to move out, and wholesalers are looking for a good season. Discount 70 per cent.

BUILDING PAPER.—There is quite a little building paper going out although it is getting towards the end of the season. Our quotations are as follows: Dry sheathing, grey or straw, 30c.

per roll; tar sheathing, grey or straw, 40c. per roll; dry fibre, 50c. per roll; tarred fibre, 60c. per roll.

CUTLERY.—Business is seasonably quiet.

CEMENT.—The demand is recovering and travellers report prospects good for an unusually big season. The market is strong. We quote: Canadian Portland, $1.90 to $2.65; English, $3; German, $3.15; Belgian, $2.50 to $2.75; Canadian hydraulic, $1.25 to $1.50 per bbl.

METALS.

The position of the metal market continues strong, with the demand, on the whole, good.

PIG IRON—The position of the pig iron market shows increasing, rather than diminishing, strength. Canadian pig iron on track Toronto is quoted at $19 for No. 1 and $18.25 to $18.50 for No. 2 foundry.

BAR IRON — There is a fair demand for bar iron and the price keeps firm. Base price, $1.95 to $2.05. Extras cut to length while rolling: 2 ft. and over, 10c. per 100 lb.; 1 ft. and under 2 ft., 15c.; under 1 ft., 20c.; over 20 ft. by special agreement, according to length and size.

STEEL—The price of steel continues to advance in both the United States and Germany. The scarcity is still pronounced, particularly in sheets. Quotations by Toronto wholesalers are: Merchantable cast steel, 9 to 15c. per lb.; drill steel, 8 to 10c. per lb.; "B C" and "Black Diamond" tool steel, 10 to 11c.; Jessop's, Morton's and Firth's tool steel, 14c.; toe-calk steel, $2.85 to $3; tire steel, $2.30 to $2.50; sleighshoe steel, $2.10 to $2.25; reeled machinery steel, $3, hoop steel, $3.10.

BLACK SHEETS—The demand has been fair during the past week and prices firm. We quote as follows: Common, $3.15 for 28 gauge; and dead flat, $2.50 for 26 gauge.

CANADA PLATES—Shipments from stock are small, but there has been considerable booking for import. Prices have advanced quite perceptibly on the outside market. We quote as follows: All dull, $3; half polished, $3.10; all bright, $3.75.

GALVANIZED SHEETS—A good trade is being done. Trade if anything is better than it was a week ago, which, with the improvement in the weather, is natural. A great deal of difficulty is being experienced in getting delivery. We quote: "Queen's Head" brand at $4.50 in case lots, and $4.65 in less quantities.

TIN—Early in the week the tin market in both New York and London showed considerable firmness, but at the time of writing this has given place to weakness. On Wednesday the market closed in London £1 15s. lower on spot tin, and 5s. lower on futures. New York was dull and considerably lower in sympathy. Locally quotations are unchanged, and business has been confined to small lots. We quote $28 to $29.

TINPLATES — The demand for prompt shipment is active, and stocks have become much reduced, in consequence. Prices are 25 to 50c. higher, and we now quote IC, usual sizes, at $4.25 per box.

TINNED SHEETS—The demand is active. We quote as follows: 72 x 30, up to 24 gauge, 7½c.; ditto, up to 26 gauge, 8c.

COPPER—There has been more inquiry for ingot copper, and a good business has been done in sheet copper during the week. The London and New York markets are easy. We quote: Half-and-half, guaranteed, 19c.; do. commercial, 18½c.; refined, 18c.; wiping, 17½c.

BRASS—There has been a little more demand. Discount 15 per cent.

LEAD—While prices are firm in the United States they are a little lower in London. Locally the market is active and the tendency of prices upward. We still, however, quote pig at $3 50 to $3.75 and bar at $5.

IRON PIPE — The market is firm and trade fair. We quote: Black pipe, $5.40 for 1-inch.; galvanized, $7 95 for 1-inch.

ZINC SPELTER—The demand is fair. We quote $5.50 to $6 per 100 lb.

ZINC SHEET—A fair trade is being done. We quote $6 to $6 25 in casks and $6.25 to $6 50 in part casks.

SOLDER—A fair amount of business is being done. We quote: Half-and-half, guaranteed, 19c.; do. commercial, 18½c.; refined, 18c.; wiping, 17½c.

ANTIMONY—The demand is moderate at 10c. per lb. for Cookson's.

PAINTS AND OILS.

The most important feature in the paint and oil market this week is the unsettled condition of white leads ground in oil, owing to the lower quotations of one or two houses. There is a small local trade in dry colors. Manufacturers are placing their orders early this season. Turpentine is steady, and the movement is normal. The advances in boiled and raw linseed oil have been maintained, and the market for it is strong. We quote:

WHITE LEAD—Ex Toronto, pure white lead, $5.87½; No. 1, $5.50; No. 2. $5.12½; No. 3, $4.75; No. 4, $4.37½ in pkgs. of 25 lb. and upwards; ½c. per lb. extra will be charged for 12½-lb. pkgs.; genuine dry white lead in casks, $5.12½.

RED LEAD—Genuine, in casks of 560 lb. $5.12½; ditto, in kegs of 100 lb., $5.50; No. 1, in casks of 560 lb., $4; ditto, kegs of 100 lb., $4.50.

LITHARGE—Genuine, 6 to 6½c.

ORANGE MINERAL—Genuine, 7½ to 8c.

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.
'WELLINGTON' KNIFE POLISH
JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
Wellington Mills, London, England.
Agent:
JOHN FORMAN, 644 Craig Street
MONTREAL


COVERT MFG. CO.
West Troy, N.Y.
Steel Carriage and Wagon Jacks,
Harness Snaps, Chain, Rope and Web Goods, etc.
FOR SALE BY JOBBERS AT MFRS. PRICES.

PRIEST'S CLIPPERS
BALL BEARINGS
Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., U.S.A.

NEWMAN'S PATENT
INVINCIBLE FLOOR SPRINGS
Combine all the qualities desirable in a Door Closer. They work silently and effectually, and never get out of order. In use in many of the public buildings throughout Great Britain and the Colonies.
MADE SOLELY BY
W. NEWMAN & SONS, Birmingham.

Oneida Community Goods
HALTERS, COW TIES SNAPS, etc., etc.,
in all sizes and styles. May be had of all jobbers throughout Canada.
Factory—NIAGARA FALLS, ONT.

Persons addressing advertisers will kindly mention having seen their advertisement in The Canadian Hardware and Metal Merchant.

"PULLMAN"
TROUSER or SKIRT HANGERS.
TWO SIZES

PULLMAN SASH BALANCE CO.,
ROCHESTER, N.Y., U.S.A.

WHITE ZINC—Genuine, French V.M., in casks, $6 to $6.25; Lehigh, in casks, $6.

BENZINE—In barrel lots, 16½c. per gal.; less quantities, 25c. per gal.

PARIS WHITE—90c. to $1 per 100 lb.

WHITING — 65c. per 100 lb.; Gilders' whiting, 80c.

GUM SHELLAC — In cases, 35c.; in less than cases, 40c. per lb.

LIQUID SHELLAC—Pure orange, in bbls., $2.25 to $2.35; white, $2.35 to $2.45 per gal.; in less quantities, 10c. extra.

PUTTY—Bladders, in bbls., $2.25; bladders, in 100 lb. kegs, $2.40; bulk in bbls., $1.90; bulk, less than bbls. and up to 100 lb., $2.05; bladders, bulk or tins, less than 100 lb., $2.90.

PLASTER PARIS—New Brunswick, $1.90 per bbl.

PUMICE STONE — Powdered, $2.50 per cwt. in bbls., and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in bbls.

LIQUID PAINTS—Pure, $1.20 to $1.30 per gal.

CASTOR OIL — English, in cases, 9½ to 10c. per lb. and 10 to 10½c. for single tins.

LINSEED OIL—Raw, 1 to 4 barrels, 82c.; boiled, 85c.; 5 to 9 barrels, raw, 81c.; boiled, 84c., delivered. To Toronto, Hamilton and London, 2c. less.

TURPENTINE—Single barrels, 68c.; 2 to 4 barrels, 67c., delivered. Toronto, Hamilton and London 1c. less. For less quantities than barrels, 5c. per gallon extra will be added, and for 5-gallon packages, 50c., and 10-gallon packages, 80c. will be charged.

GLASS.

Enough import orders are being booked to make trade steady. The local demand is light. We quote: Under 26 in., $4 25; 26 to 40 in., $4.65; 41 to 50 in., $5.10; 51 to 60 in., $5.35; 61 to 70 in., $5.75; 71 to 80, $6.25; 81 to 85, $7; 86 to 90, $7.75; Toronto, Hamilton and London. Terms, 4 months, or 3 per cent. 30 days. Discount off pane price list, 33⅓ per cent.

OLD MATERIAL.

There is a a pronounced quietness in trade for old material owing to the unsuitable weather. The recovery of the copper market has resulted in an advance of ½c. in copper bottoms and heavy red brass. The other prices are steady. We quote: Agricultural, 60c. per cwt.; machinery cast, 60c.; heavy copper, 10c½. per lb.; stove cast, 40c.; No. 1 wrought, 50c. per 100 lb.; new light scrap copper, 7½c. per lb.; bottoms, 8½c.; coil wire, 10c.; light brass, 5c.; heavy yellow brass, 7½c.; heavy red brass, 8½c.; scrap lead, 2¼c.; zinc, 2c.; scrap rubber, 6c.; good country mixed rags, 50 to 60c.; clean dry bones, 40 to 45c. per 100 lb.

HIDES, SKINS AND WOOL.

Trade is slack in hides and skins and wool is stagnant. Prices are steady We quote buyers' prices on arrival:

HIDES—We quote: No. 1, green, 7c.; No. 2 green, 6c.; No. 1 green, steers, 8c.; No. 2 green, steers, 7c.; cured, 7¾ to 8c.

SKINS—We quote: No. 1 calfskins, 9c.; and No. 2, 7c.; deacons (dairies) 55 to 60c. each; sheepskins, 65 to 80c.; deerskins, 12½ to 14c. per lb.

WOOL—We quote: Fleece, 13c., and unwashed, 7 to 8c. per lb.

SEEDS.

The prices this week are unchanged and the market is quiet. As usual, a little more will be paid for better and a little less for poorer samples. We quote buying price at outside points: Red clover, $4.50 to $4 60; alsike, $7 to $8, and timothy, $2.50 to $3.25 per bush.

COAL.

Matters are unchanged as far as the scarcity of cars goes, and no stock shipments are being received. Prices are nominal. We quote at international bridges as follows: Grate, $4 75 per gross ton; egg, stove and nut, $5 per gross ton; soft coal, $2.50 to $3.25 in bond, according to grade.

PETROLEUM.

Trade continues fair, although there is the usual slackness this time of the year. We quote as follows: Pratt's Astral, 16½ to 17c. in bulk (barrels, extra); American water white, 17 to 17½c. in barrels; Photogene, 16½ to 17c.; Sarnia water white, 16 to 16½c. in barrels; Sarnia prime white, 14½ to 15c. in barrels.

MARKET NOTES.

Tinplates are quoted 25 to 50c. per box higher.

Copper bottoms and heavy red brass have both advanced ½c.

Though trade is not in anything like a satisfactory condition at the heavy steel works of the district, there is some satisfaction in reporting that after a protracted period of depression, more or less acute, there is an improved tone in both heavy iron and steel departments. Things are a shade better at the bar iron works, which are now busier than a week since. Most of the large firms are replenishing stocks, which had become low, and purchases are being made with more freedom. Pig iron sales have distinctly improved. In the heavy industries it is hoped that the worst has now been seen. —Iron and Steel Trades' Journal, February 15.

NICHOLSON FILE CO.

FILES AND RASPS

WARRANTED



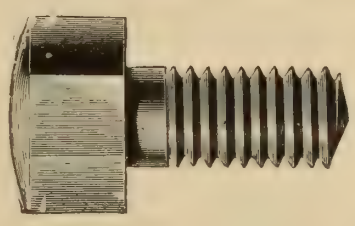
Largest Makers in the World.

FACTORIES AT
Providence, R.I.; Paterson, N.J.; Anderson, Ind.; Kent, Ohio; Beaver Falls, Pa.; Port Hope, Canada.

Nicholson's make of FILES and RASPS have a world-wide reputation for excellence of quality.

For Sale by all prominent Hardware Merchants.
DOMINION WORKS: DAILY CAPACITY 500 DOZEN.

WALTER GROSE, MONTREAL, Selling Agent.



THE JOHN MORROW MACHINE SCREW COMPANY, Limited

Manufacturers of

Set and Cap Screws, Special Milled Work, Engine Studs, Etc. Cold Punched Nuts of every variety of finish.

INGERSOLL, ONT.



FOR SALE

125 tons 65-lb. Relaying Steel Rails with plates.
475 tons 56-lb. Relaying Steel Rails with plates.
80 tons 25-lb. Relaying Steel Rails with plates.
30 tons 14-lb. Relaying Steel Rails with plates.

Correspondence Solicited. *IMMEDIATE DELIVERY.*

SESSENWEIN BROS., - Montreal

NOVA SCOTIA MARKETS.

HALIFAX, February 25, 1902.

THE general state of the hardware business for the last week or two has been extremely good, and both the retail and wholesale departments have been kept busy. The dull season is fairly over, and business is brightening up considerably. A fair start has been made towards the spring movement of goods, and the trade generally have every confidence of a brisk season's trade.

* * *

Orders from travellers are coming in well, and they denote that many parts of the Province are looking forward to a large amount of building operations, the dealers in outside towns being quite free in their orders in the builders' line. Fishing supplies are also in demand, and the merchants who handle mill and mining machinery have every evidence that there is a big boom opening up in the gold and other mining fields.

* * *

Prices remain firm in all lines on account of the general firmness of the world's market in iron and steel. Higher prices in some lines may, however, be expected, as manufacturers are slow in filling orders—an inconvenience which hampered the trade somewhat last year. Tinplates have advanced in England to some extent, and there is also a slight increase in sheet lead and in manila cordage.

* * *

Oils, especially linseed and turpentine, are subject to the late advance from causes already noted. Linseed oil advanced 6c. on Monday, and raw is quoted at 85c. by the Imperial Oil Co., and boiled at 88c. Turpentine is quoted at 68c., 8c. higher than a fortnight ago. The same firm quotes illuminating oils: Mayflower, American W. W. at 20c.; 1½c. less if delivered from tank wagon.

* * *

The steamer Maverick arrived in port from Philadelphia on Friday last with 509 728 gals., equal to 2,200 tons, to be placed in the big oil tank three miles from the city, on Bedford Basin. The Maverick is always an interesting visitor here now, as it was she who was burned and sunk in Bedford Basin while unloading her cargo some two years ago. Those who saw the grand illumination from her cargo of burning oil will never forget the sight.

* * *

The general state of the hardware business in the city may be practically gauged by the wording of the advertisement of one of the progressive firms, as follows: "We are as busy as nailers making room for spring stock and preparing to ship orders taken in advance. These are larger and more numerous than before, but we have made special preparations for prompt and careful shipments when the time comes."

R.C.H.

LEWIS BROS.' IMPROVEMENTS.

The alterations being made in Lewis Bros. & Co.'s warehouse are nearing completion, and visitors who have not been to call on them for a few weeks will find a great difference in the appearance of things. All the offices have been brought together now, and the whole of the second floor will be used for them. In the warehouse, they have now more than double the room they had formerly, and a very fine ironware house will be found added to the departments. They are deciding on where to locate their new sample-room. For this, they have ordered the finest fittings, and it will be finished in oak. When completed, they claim it will be one of the best sample-rooms in Canada.

The Dowd Milling Co., Almonte, Ont., has just purchased the Guest & Steed mills and Francis' powers at Parkenham, Ont. This embraces grist and woollen mills, planing factory, electric light power and a cheese factory.



"AFTER-HOLIDAY" ORDERS.

Every merchant is interested in this subject just now. It is easy enough to sell Silverware before the Christmas season, but the "after-holiday" orders are the ones you want. Consult us and we will tell you how to do business in Silverware twelve months in the year.

Standard Silverware sells all the year round.

Its **beauty of design and finish** makes it popular always with the buyer, while its **absolute guarantee of quality** insures the seller. Last of all the price is within the reach of everybody.

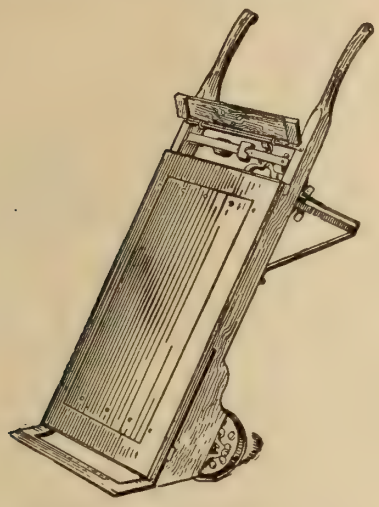
SHALL WE SEND YOU OUR CATALOGUE?

STANDARD SILVER CO.

LIMITED

31-43 Hayter St., TORONTO.

The Parcell Drop Lever Truck Scales



Highly endorsed by Government Inspectors.

Designed for Farm, Mill, Factory and Warehouse uses. Ask your wholesale Dealer for cuts and prices, or write

AYLMER IRON WORKS CO., Limited,
AYLMER, ONT.

Gas Fixtures

We make Attractive Fixtures in

GAS . . .
ELECTRIC
COMBINATION

Catalogues to the Trade.

The James Morrison Brass Mfg. Co., Limited
89-97 Adelaide St. West, TORONTO.

Sausage Stuffer, Lard and Fruit Press



8 Sizes and Styles

Rapid Grinding and Pulverizing Mills
40 Sizes and Styles for Hand and Power



No. 3, $5.00

Bone, Shell and Corn Mill



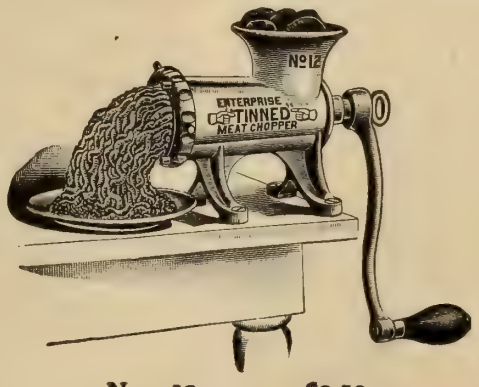
No. 750, $7.50

TRADE **"ENTERPRISE"** MARK

Meat and Food Choppers

TINNED

40 Sizes and Styles for Hand and Power
from $1.00 to $300.00



No. 12, - - $2.50

Sold by all the leading Jobbers of the Dominion
ILLUSTRATED CATALOGUE MAILED FREE

The Enterprise Mfg. Co. of Pa.
Philadelphia, Pa., U. S. A.

Meat Juice Extractor



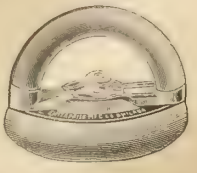
No. 21, $2.50

Raisin Seeder



No. 36, $1.00

Cold Handle Polishing IRON



No. 82, $6.75 per doz.

MANITOBA MARKETS.

WINNIPEG, February 24, 1902.

IN common with their neighbors, hardwaremen have been very busy all week attending to visitors, and some considerable business has resulted. There have been quite a number of changes in the price list during the week. Solder has dropped 3c., and is now 18c. Planished copper and tinned sheets are 6c. lower. A new price list on coil chain has been issued as follows: 3-16, 10½c.; ¼, 8¾c.; 5-16, 5½c.; ⅜, 5½c.; 7-16, 5c.; ½, 4¾c.; ⅝, 4¾c.; ¾, 4¾c. Galvanized wire has also been changed: 6 to 8 gauge, $4; 9 gauge, $3.50; 10 gauge, $4.05; 11 gauge, $4.20; 12 gauge, $3.65; 13 gauge, $3.75; 14 gauge, $4.45; 15 gauge, $4.60; 16 gauge, $4.75.

Lumbermen are predicting the largest business they have ever had, as the great influx of settlers will necessitate a large quantity of lumber for building purposes. The western lumbermen's convention was largely attended and most successful.

Price list for the week is as follows:

Barbed wire, 100 lb	$3 30
Plain twist	3 40
Staples	3 95
Oiled annealed wire, 10	3 85
" 11	3 90
" 12	3 95
" 13	4 10
" 14	4 25
" 15	4 35
Galvanized wire, 6 to 8 gauge	4 00
" 9 "	3 50
" 10 "	4 05
" 11 "	4 20
" 12 "	3 65
" 13 "	3 75
" 14 "	4 45
" 15 "	4 60
" 16 "	4 75
Wire nails, 30 to 60 dy, keg	3 25
" 16 and 20	3 35
" 10	3 35
" 8	3 45
" 6	3 50
" 4	3 65
" 3	3 90
Coil chain, 3-16 inch	10½
" ¼ inch	8¾
" 5-16 inch	5½
" ⅜ inch	5¼
" 7-16 inch	5
" ½ to ¾ inch	4¾
Cut nails, 30 to 60 dy	3 05
" 20 to 40	3 10
" 10 to 16	3 15
" 8	3 20
" 6	3 25
" 4	3 35
" 3	3 70
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to No 1	4 65
No. 2 and larger	4 40
Snow shoes, No. 0 to No. 1	4 90
No. 2 and larger	4 40
Steel, No. 0 to No. 1	4 95
No. 2 and larger	4 70
Bar iron, $2.70 basis.	
Swedish iron, $5.00 basis.	
Sleigh shoe steel	3 25
Spring steel	3 25
Machinery steel	3 75
Tool steel, Black Diamond, 100 lb	8 50
Jessop	13 00
Sheet iron, black, 10 to 20 gauge, 100 lb.	3 50
20 to 26 gauge	3 75
28 gauge	4 00
Galvanized American, 16 gauge	2 79
18 to 22 gauge	4 75
24 gauge	5 00
26 gauge	5 25
28 gauge	5 50
Genuine Russian, lb	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 75
26 gauge	8 00
28 gauge	8 50
Tinplate, IC charcoal, 20 x 28, box	11 00
" IX "	13 00
" IXX "	15 00
Ingot tin	33
Canada plate, 18 x 21 and 18 x 24	3 75
Sheet zinc, cask lots, 100 lb	7 00
Broken lots	7 50
Pig lead, 100 lb	6 00
Wrought pipe, black up to 2 inch	50 and 10 p.c.
" Over 2 inch	50 p.c.
Rope, sisal, 7-16 and larger	$13 50
" ⅜	14 00
" ¼ and 5-16	14 25
Manila, 7-16 and larger	16 50
" ⅜	17 00
" ¼ and 5-16	17 50
Solder	18
Cotton Rope, all sizes, lb	17
Axes, chopping	$ 7 50 to 12 00
" double bitts	12 00 to 18 00
Screws, flat head, iron, bright	87½
Round " "	82½
Flat " brass	80
Round " "	75
Coach	57½ p.c.
Bolts, carriage	50 p.c.
Machine	50 p.c.
Tire	60 p.c.
Sleigh shoe	65 p.c.
Plough	40 p.c.
Rivets, iron	50 p.c.
Copper, No. 8	26
" No. 12	30
Bluestone, cask lots	$5 50
Spades and shovels	40 p.c.
Harvest tools	70 p.c.
Axe handles, turned, s. g. hickory, doz.	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 75
No. 1	1 25
Files common	70, and 10 p.c.
Diamond	60
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	30 p.c.
" military	15 p.c.
American R.F.	30 p.c.
C.F. pistol	5 p.c.
C.F. military	10 p.c. advance.
Loaded shells:	
Eley's soft, 12 gauge black	16 50
chilled, 12 gauge	18 00
soft, 10 gauge	21 00
chilled, 10 gauge	23 00
Shot, Ordinary, per 100 lb	6 25
Chilled	6 75
Powder, F.F., keg	4 75
F.F.G.	5 00
Tinware, pressed, retinned	75 and 2½ p.c.
" " plain	70 and 15 p.c.
Graniteware, according to quality	50 p.c.

PETROLEUM.

Water white American	25½c.
Prime white American	24c.
Water white Canadian	22c.
Prime white Canadian	21½c.

PAINTS, OILS AND GLASS.

Turpentine, pure, in barrels	$ 73
Less than barrel lots	70
Linseed oil, raw	82
Boiled	85
Lubricating oils, Eldorado castor	27½
Eldorado engine	26½
Atlantic red	29½
Renown engine	41
Black oil	19½
Cylinder oil (according to grade)	55 to 74
Harness oil	65
Neatsfoot oil	$ 1 00
Steam refined oil	85
Sperm oil	2 00
Castor oil, per lb.	11½
Glass, single glass, first break, 16 to 25 united inches	2 50
26 to 40, per 50 ft.	2 75
41 to 50, " 100 ft.	6 00
51 to 60, " " "	6 50
61 to 70, per 100-ft. boxes	7 00
Putty, in bladders, barrel lots, per lb.	2½
kegs "	2¾
White lead, pure, per cwt.	6 50
No. 1 "	6 00
Prepared paints, pure liquid colors, according to shade and color, per gal.	$1.30 to $1.90

TRADE CHAT.

THE stock of Gus. Tweedale & Co., hardware merchants, St. John, N.B., has been taken possession of by sheriff under an execution at the suit of Judge Gregory. The amount involved was about $2,000.

The Sunlight Gas Co., Limited, Montreal, is applying for a charter.

The Sleeper Engine Co., Limited, Montreal, is applying for a charter.

The Frazer Electric Co., Fredericton, N.B., is applying for incoporation.

The International Linseed Co., Limited, Montreal, are applying for a charter.

The Bay of Fundy Oil Co., Limited, Moncton, N.B., is applying for a charter.

The Trethway Train Pipe-Coupler Co., Limited, Montreal, is applying for a charter.

The Bay of Fundy Oil Co., Limited, Moncton, N.B., are applying for incorporation.

The Nicola Valley Iron and Coal Co., Limited, Vancouver, B.C., has been incorporated.

Amiot, Lecours & Lariviere (incorporated), wholesale hardware merchants, etc., Montreal, have applied for a charter.

Earl & Wolfe, hardware merchants, Olds, N.W.T., have taken over the McCormick machinery business from W. J. Brumpton.

As a result of a fire on February 20 in the factory of The Canadian Wheel Works, Merritton, Ont., owned by E. Phelps & Co., the entire plant was destroyed, entailing a loss of $43,000, of which $27,000 is covered by insurance. The cause of the fire is unknown.

Emery Sewell's blacksmith shop, machine shop and carpenter shop at Maugerville, N.B., were burned on February 18, together with the parts and machinery of several tugboats, which were in the building for repairs. The origin of the fire is unknown. The total loss amounts to about $5,000.

NEW ELEVATORS AT PORT ARTHUR.

At a meeting of the Canadian Pacific Railway Co.'s officers at Port Arthur, Ont., it was decided to build two elevators there during the season. The first will be a cleaning elevator and the second an addition to the steel tank elevator D. This structure will be enlarged to hold an additional 1,500,000 bushels. This and the new cleaning elevator will increase Port Arthur's storage capacity to over 7,000,000 bushels of grain. Altogether $400,000 will be spent by the company on improvements in that town.

Happy is the Painter who uses the

PAINTERS PERFECT WHITE LEAD.

He will **please** his **customers** and himself. To obtain these benefits he must be sure that the following name is on the label:

THE

CANADA PAINT COMPANY

LIMITED.



HEATING AND PLUMBING

SOME BUILDING NOTES.

A NEW business block, 40 x 125 feet, and three storeys in height, will be built at Chatham, Ont., for Northway & Co.

J. McKenzie will build a new house at Brookbury, Que.

Allison & Paul will erect a factory on Fort street, Victoria, B.C.

James Humphrey will build a new house at Troy, Ont., next summer.

Zink Bros. are building a three-storey brick store at Brandon, Man.

A two-storey brick hall will be erected by the Orangemen at Hintonburg, Ont.

There is to be a new Presbyterian church built at Dutton, Ont., to cost $10,000.

Henderson & Dower are preparing to build a new hotel at Maple Creek, N.W.T.

A new convent is to be constructed at Masham Mills, Que., at a cost of $25,000.

Michael Bates will erect a two-storey brick building on Charlotte street, Sydney, C.B.

R. McIlwain is advertising for tenders for the erection of a schoolhouse at Nile, Ont.

Dr. Dodd is going to build a new dwelling at Charlottetown, P.E.I., in the spring.

A new hotel is being built at Vancouver, B.C., for Jos. Daley, at an estimated cost of $7,000.

The Wallaceburg, Ont., Baptists are considering the advisability of building a new church.

Tenders are being advertised for the erection of a schoolhouse at Clover Bar, N.W.T., to cost $2,000.

Tenders are being advertised for by A. M. King, Arkwright, Ont., for the building of a house on his farm nearby.

The Crow's Nest Coal Co. announce their intention of building a store at the Fernie Creek Mines, Fernie, B.C.

McDonald, Hanrahan & Co. are to build a three-storey brick structure on the site of their present store at Sydney, C.B.

A BOOM IN MONTREAL IN THE SPRING.

A building boom is expected in Montreal this spring. Already all the leading architects are busy preparing plans for several new buildings, while a number which are now in course of erection will be finished as soon as the weather permits.

A few of the new buildings which will be constructed are as follows : The renovating of the Bank of Montreal's St. James street building at a cost of $100,000; the erection of a large ten storey office building on St. James street for the Guardian and London, Liverpool and Globe Insurance Companies ; the construction of the new Board of Trade building, involving an expenditure of $500,000 ; the proposed new C.P.R. workshops in Hochelaga Ward to be erected at a cost of $400,000 ; the building of additional fruit and freight sheds for the G.T.R. on Chaboillez Square, the estimated cost of which has not been given, and the rebuilding of St. Mary's Church.

A LARGE APARTMENT HOUSE FOR WINNIPEG.

Lord Strathcona has decided on the erection of a large modern apartment house on the property owned by him on the corner of Main street and Broadway, Winnipeg. The plans, which are being prepared by George Brown, call for a large dwelling house, the Main street facade of which will be some 200 ft. in length, and that on Broadway 150 ft. There will be an inside open court, 47 x 108 ft. The interior will be fitted in the most approved manner. There will be complete suites of seven rooms or less, each being a separate house by itself, practically having all the necessary conveniences.

PLUMBING AND HEATING NOTES.

Several new members were initiated into the Toronto branch of the National Plumbers' Association at their regular meeting in Pythian Hall on Monday night, February 24.

E. Riopelle & Fils, plumbers, Montreal, have dissolved.

PLUMBING AND HEATING CONTRACTS.

The Bennett & Wright Co., Limited, plumbers and steamfitters, Toronto, have secured the plumbing and electric wiring of a house on Crescent Road belonging to the Macpherson estate. They have also resumed work on the plumbing and steamfitting of the new hotel on King street.

BUILDING IN TORONTO.

Building permits amounting to over $48,000 were taken out from the Toronto City Commissioner's office for the past week. They are as follows : R. Davies, for alterations of glass and wood to restaurant at 70 Yonge street, for $2,000 ; Thos. Wilkins, for three attached two-storey and attic brick houses on Maitland Place, for $7,000 ; S. Henderson, for a two-storey and attic brick and stone dwelling on Jameson avenue, for $4,500 ; Charles William Chadwick, for the erection of a two-storey and attic brick dwelling on Delaware avenue, for $3,000 ; Alexander Manning, for four-storey brick additions to warehouses on 73-79 Colborne street, for cold storage purposes, to cost $6,000 ; S. Crance, for brick additions and alterations to three dwellings on the southeast corner of Duke and Sherbourne streets, for $1,800 ; E. S. Rupert, for a two-storey and attic detached brick dwelling on Wills street, for $3,500 ; W. J. Wilson, for the erection of a 1½-storey stable, covered with galvanized corrugated iron, in rear of 43 Henry street, for $125 ; W. H. Smith, for a one-storey brick horse-sales ring on Nelson street, near Simcoe, for $6,000 ; Henry Davies, for a two-storey and attic brick detached dwelling on 248 Major street, for $2,000 ; T. Phillips, for a pair of semi-detached two-storey dwellings of brick and wood on Manning avenue, for $2,000 ; T. J. Madill, for a two-storey detached brick dwelling on 33 Summerhill avenue, for $2,000, and Charles Parker, for a pair of semi-detached, two-storey and attic brick dwellings on 11 and 13 Bernard, avenue, for $6,500.

PERSONAL MENTION.

Mr. Frank H. Scott, manufacturers' agent, Montreal, was in Toronto for a few days this week. Mr. Scott represents James Deakin & Sons, Limited, silversmiths and cutlers, and Maleham & Yeomans, cutlery manufacturers, both of Sheffield, England, and his visit to the west is in the interest of those firms.

A new Methodist church is to be built at Athens, Ont., and tenders have been let for the stone and carpenter work and roofing.

Plans for the new Carnegie library at Collingwood, Ont., are being prepared by William and Walter Stewart, architects, Hamilton.



During the coming season a good many customers will hold up that tin of mixed paint to you and ask you what you honestly think about it. That customer wants your opinion and he will remember it. If you are offering him a poor paint with no reputation—he will remember it. But poor paints without a reputation and cheap paints in general will not be in demand in 1902. With Ramsays Paints, ready for work, any dealer can recommend his goods and know that he can build up the biggest paint trade in his district with good profit to himself and satisfaction to the user. Don't you think it would be well for you to have a paint of that kind, and see our advertising matter with which we assist you? Any of our travellers will be glad to see you at once and talk the matter over with you, or we shall write if you say so.

A. RAMSAY & SON
PAINT MAKERS

EST'D 1842
MONTREAL

BUTLER'S

FAMOUS

Sheffield Cutlery.

Fish and Dessert Knives; Spoons and Forks; Cabinets and Cases of Cutlery and Plate.

"BUTLER" was registered as a Trade Mark, A.D. 1768.

Sole Makers of the celebrated "CAVENDISH" brand of Table Knives and Carvers.
And Butler's "KEEN" Razors.

HIGHEST AWARDS. SPECIAL MENTION.

—Full Line of Samples and stock at—

GEORGE BUTLER & CO.'S

LONDON SHOWROOM: 62 HOLBORN VIADUCT, E.C.
(Over Snow Hill Station.)

MANUFACTORY: Trinity Works, SHEFFIELD, ENG.

Warehouse, Factory and Railway Trucks.



WE CARRY A LARGE STOCK OF ALL DESCRIPTIONS.



We can furnish any of these Trucks with Rubber Tired Wheels. . . . .

SEND FOR OUR CATALOGUE AND PRICES.
WE CAN PLEASE YOU.

The Fairbanks Company

747 and 749 Craig Street, MONTREAL.

AN OLD BUSINESS REORGANIZED.

THE old-established business of John Lysaght, Limited, of Bristol, England, has recently been reorganized under the same name and same management, with an increased capitalization amounting now to $5,000,000, of which $1,500,000 is in 4½ per cent. debenture shares; $1,500,000 in 6 per cent. preference shares, and the remaining $2,000,000 in ordinary shares. The proprietors of the old company, which was formerly a close corporation, received for their interests the whole of the ordinary shares and $500,000 worth of the preference shares, showing their confidence in the future of the business by taking the ordinary stock. The additional capital will be used in further extending their present large business, which controls the following other properties:

The sheet steel works formerly located at Wolverhampton, but now almost entirely removed to their new property at Newport, where they have an area of nearly 80 acres, including a river frontage of more than half a mile, with a wharf at which ocean steamers can load and unload. These works are considered to be second to none in the world in their equipment, which is all thoroughly up-to-date.

The St. Vincent Iron Works in Bristol, where all the galvanizing and corrugating of their sheets is done; also wire netting works, spelter works, structural iron works, and works for the manufacture of tanks and galvanized specialities for agricultural and other purposes, all these latter at Bristol.

They also own their own warehouses at many of the leading points in Australia, New Zealand and South Africa, besides carrying large stocks in Canada, and, in fact, almost everywhere in the British Empire. The name of Lysaght is well known in Canada, especially in connection with their brands of galvanized iron, which have been on the market for probably 30 years, but there are not many who realize the extent of the business carried on by this company. This change in the company does not in any way affect their arrangement in Canada, A. C. Leslie & Co., of Montreal, continuing to act as managers of their Canadian branch.

EMPLOYES AND COMPETITORS.

AT the recent meeting of The Wisconsin Retail Hardware Association one of the delegates during the delivery of an annual address expressed some sentiments in regard to the treatment of employes and competitors that are worth the consideration of the retail hardware trade in Canada. His remarks were:

"Employ good help, treat them well, take pains to post them about your lines, give them the management and care of certain lines and hold them responsible for the success of their department. Encourage a friendly rivalry, notice and appreciate their efforts, see that goods are not misrepresented and that full measure and weight are given. This is necessary to your success.

"Your competitor. Do not think hard of him simply because he happens to be in the same lines of business that you are. Do not imagine for one moment that you are entitled to all the trade. You cannot get it all, but get all you can, and get it as honorably as you can. Talk your own goods; do not advertise him or his by complaining of them. Your aims ought to be alike, to sell all the goods you can at a fair living profit, and not to 'do each other.' Do not cut prices below a living profit. Your competitor will certainly meet your cut and the chances are that he will 'go you one better.'"

A HINT TO RETAILERS.

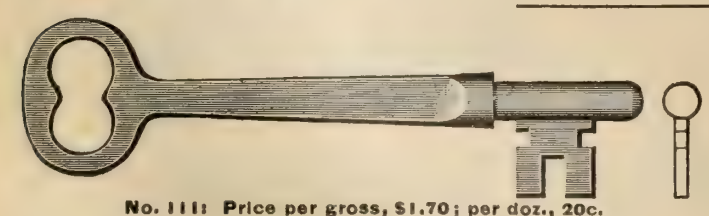
YOU will pardon me for calling the attention of dealers to one important feature of the retail business, which causes an endless amount of trouble to the retail man, says a writer in an exchange. In the natural course of business every retailer gets an endless amount of circulars, catalogues, etc., from manufacturers and wholesalers. These he carelessly suffers to lie around on the counter, stool, or elsewhere, often using portions of them to wrap up various articles. Now, the farmer considers himself a sharp business fellow; and in hundreds of cases he tries to get alongside the manufacturer or wholesaler through means of letter writing. Sometimes he succeeds far better than Mr. Retailer imagines. These careless circulars put him in the possession of all the various addresses and the means of opening correspondence, which always, no matter how terminated, works an injury to the legitimate retailer.

Within a week past I have seen two men taking sundry names from such printed matter, one going through a large machinery catalogue, taking several names and addresses. I called the dealer aside (a new man), cautioned him and advised putting these catalogues out of sight, or burning, if not wanted. And I would strongly urge every retailer to be most particular and careful with all such matter that may come to him. It would be well for the several State conventions meeting soon to take this one little matter up and discuss it thoroughly.

A good many manufacturers and jobbers respond to these fellows, make small sales and then try to use it as a leverage for business with dealers. Some will sell such trade anyway for what there is in it. Mr. Retailer, consign to ashes all such matter and make your business strong and aggressive. Don't encourage the peddler by conspicuous use of his printing.

FREE INSURANCE AGAINST FIRE
PLASBESTER
AGENTS WANTED IN EVERY TOWN.
the BEST ASBESTOS WALL PLASTER
Fire Proof
Frost "
Sound "
Will not crack.

KEYS
SPECIAL OFFER
To introduce our line of Keys we will prepay express to any point in Canada on orders of one gross or more. This offer is open until March 1st, 1901.



No. 111: Price per gross, $1.70; per doz., 20c.

If interested in Bicycle or Automobile Material, or Sporting Goods, drop us a postal request and we will mail you our latest catalogue.

JOHN MILLEN & SONS
Branch: 132 Bay Street, Toronto, Ont.
MONTREAL, CANADA



USE your ice cream freezer more and your stove less. You will be more comfortable in summer if less time is spent over a hot stove. It pays in the time saved and in comfort. Part of the meal must be cooked, but part may be frozen. It takes less time to freeze than it does to cook—if you use the

Peerless Iceland Freezer

Or the **One Motion** *Freezer*

Three minutes is the freezing time. Ice cream, ices, frozen fruits and puddings are more wholesome and delicious than any other dessert, especially in summer. The only expense is the materials, which you have in the house. Patented Dasher makes one motion enough, and the Peerless Iceland the simplest, most economical and best freezer for you to get. "ICE CREAM SECRETS" (free) gives many new recipes as well as all the good old standbys, all easy to make.

To Remove all doubt: If you've never made ice cream at home, or if you have had enough experience with another freezer, get a Peerless Iceland from your dealer, take it home, and if not perfectly pleased, return it, and *dealer will refund your money*. If your dealer hasn't it, he can get it; or write us and we will see that you are supplied. Be sure and get a ***Peerless Iceland.*** Easily recognized from above photograph; notice label.

DANA & CO., Dept A, Cincinnati, Ohio.

The Peerless Ice Chipper to chip ice properly, saves ice, time and hands. 25c at all dealers or from us.

Your Customers will see it.

This is another of a series of advertisements which will appear in all the leading magazines and ladies' papers this Spring and Summer. All of your women customers take one or more of these publications. Don't you want to have your store identified with the very best advertising?

Order Peerless Iceland Freezers and Peerless Ice Chippers from your jobber early so that he can put you in touch with our advertising department. If yours doesn't handle them, see one who does, or write us and we will see that you are supplied.

New York: 10 Warren St. **DANA & CO., Cincinnati.** San Francisco: 105 Front St.

INQUIRIES ABOUT CANADIAN GOODS.

The following were among the recent inquiries relating to Canadian trade received at the Canadian Government office in London :

1. A London firm importing grained-split hides wishes to correspond with Canadian tanneries producing such for export.

2. The addresses of large exporters in Canada of canned and dried fruits are asked for by a provision and produce broker in Liverpool.

3. A Manchester firm desires to get into communication with importers and users of textile machinery in Canada.

4. A correspondent in the Midlands with experience of Bradford and Manchester goods is open to act as buying or selling agent for Canadian houses in the trade.

5. An agent having an extensive experience in the grocery and confectionery trade, and having facilities for doing a large agency business, desires to hear from Canadian firms desiring representation.

6. The makers of horse clothing of all kinds, saddle girths, knee caps, dog sheets, body belts, etc., wish to extend their business in Canada, and ask to be referred to importers of these goods.

7. Information respecting Canadian hard woods for street paving purposes is asked for by a selling agent who has experience in placing such goods on the English market.

8. A London firm at present doing a good business in chair stock—backs, seats, legs, etc., ask for names of additional exporters of such goods in Canada.

9. A firm of West of England woollen manufacturers are looking for a first-class agent to represent them in Canada, and also desire to get into touch with wholesale houses in the Dominion purchasing best cloths.

10. A Birmingham house exporting gas and electric fittings is desirious of extending its business with Canada.

11. Inquiry is made for particulars of good slate quarries in Canada, in working order, adjacent to ports or waterways, by an agent who can sell large quantities if prices are competitive.

12. Another inquiry for roofing slates of durable quality from Canada has been received from a correspondent in the north of England.

13. A Hamburg, Germany, house have asked for names of packers and exporters of dried cod, haddock, stock fish, in the Maritime Provinces of Canada.

14. A Dublin grain, corn and flour and produce broker wishes to obtain the direct agency for a good Canadian firm of millers.

15. Inquiry has been made for names of Canadian dealers in motor-carriages and similar goods.

16. A correspondent at Cork, Ireland, has asked to be furnished with a list of millers and firms exporting oatmeal from Canada.

17. An application has been received from a Bradford merchant for the names of importers of yarns—either worsted, mohair, cotton, silk or fancy.

18. An import firm of cotton waste merchants and agents desire to get into communication with users of this material in Canada.

19. A firm of wholesale and export druggists' sundriesmen wish to hear of probable buyers in Canada of such specialties as they manufacture, tooth pastes, disinfectants, etc.

20. A forage company in Cheshire ask to be furnished with the names of hay and straw exporters in Canada.

21. The makers of artistic glazed tiles, etc., who are anxious to extend their business with Canada, desire to hear of firms willing to take up the sale of their productions.

[The names of the firms making the above inquiries can be obtained on application to the editor of HARDWARE AND METAL.]

Inquiries received by the Canadian section of the Imperial Institute :

1. A firm in the north of England desires information as to the production of fish glues in Canada, and invites manufacturers of the material to forward samples and prices.

2. An important firm of wholesale stationers asks to be placed in communication with Canadian manufacturers of woodwork drawing materials, such as drawing boards, T squares, set squares, etc.

3. Another firm of brokers and importers is prepared to represent a Canadian packer of canned goods.

TERNE ROOFING PLATES.

THERE is no doubt that the best and most durable article to cover the roof of your house with is the high-grade old-fashioned roofing terne plates, says Architect and Builders' Journal. It is light, easily put on, not inflammable, will not crack, indestructible and durable (not the cheapest), and yet the cheapest and most serviceable in the end.

Half a century has passed since tin first began to be used for roofing, and during that time it has more than established its superiority over all other forms of roofing. The various new methods and materials being offered have tended to establish its superiority upon a sounder foundation, particularly as the general public and the prosperity of the country has justified them in using only the best old-method terne plates.

The untried new roofing material (supposed to be cheaper) launched upon the market at various times can hardly catch the attention of the practical person much less the trained eye of the architect or builder, unless it is the frequent cry "must cheapen the building and must use cheaper material." This is the greatest mistake for anyone to be guilty of in covering or building the home. Experimenting will, however, continue to go on, until experience demonstrates to the cheap user their undesirableness and the heavy cost in the end.

The writer knows of tin roofs that have stood the storms of nearly 50 years, and are just as good to-day as when first put on. It is not always the owner's fault or the builder's, and surely not the architect's, but the fault lies with the sub-contractors, many of whom take work at about cost on account of the sharp competition, and then to save themselves resort to using poorer materials and slighting their work where possible.

Seek only responsible dealers, contractors, mechanics and others if you want to get what you pay for. Let each in turn protect the other and accept no bargain-counter business. We are not living for to-day only, but we all have a future. So has the roof of your house. Look well to it. Have it covered with terne plates that will stand the test of time and put on with the patent soldered standing joint by responsible workmen.

To good management men and tools, add Apollo galvanized iron.

There is no way to do so good work or to make so much profit on it.

American Sheet Steel Company, New York

Representatives for Canada
B. & S. H. Thompson & Company
26 St. Sulpice Street
Montreal

"MIDLAND"
BRAND
Foundry Pig Iron.

Made from carefully selected Lake Superior Ores, with Connellsville Coke as fuel, "Midland" will rival in quality and grading the very best of the imported brands.

Write for Prices to Sales Agents

Drummond, McCall & Co.
or to MONTREAL, QUE.
Canada Iron Furnace Co.
MIDLAND, ONT. Limited

"The Peerless"
is the best Bolster Spring ever produced. A fine line for the hardware trade. Write Us For Prices.



James Warnock & Co. = Galt, Ont.

CURRENT MARKET QUOTATIONS.

February 28, 1902.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag and Straits—56 and 28 lb. ingots, 100 lb.	28 00	29 00

Tinplates.

Charcoal Plates—Bright		
M.L.S., equal to Bradley		Per box
I.C., usual sizes	....	$6 75
I.X., "	....	8 25
I.X.X., "	....	9 75
Famous—		
I.C.	....	6 75
I.X	....	8 25
I.X.X	....	9 75
Raven & Vulture Grades—		
I.C., usual sizes	....	5 00
I.X., "	....	6 00
.X.X "	....	7 00
I.XXX., "	....	8 00
D.C., 12½x17	....	4 50
D.X	....	5 25
D.X.X	....	6 00
Coke Plates—Bright		
Bessemer Steel—		
I.C., usual sizes	....	4 25
I.C., special sizes, base	....	4 75
20 x 28	....	9 00
Charcoal Plates—Terne		
Dean or J. G. Grade—		
I.C., 20x28, 112 sheets	....	8 50
I.X., Terne Tin	....	10 50
Charcoal Tin Boiler Plates		
Cookley Grade—		Per lb.
X X., 14x56, 50 sheets bxs	....	0 06½
" 14x60, "		
" 14x65, "		
Tinned Sheets		
72x30 up to 24 gauge	....	0 07½
" 26 "	....	0 08

Iron and Steel.

Common Bar, per 100 lbs	1 95	2 05
Refined " "	....	2 45
Horse Shoe Iron "	....	2 40
Hoop steel, 1½ to 3 in. base,	....	3 10
Sleigh Shoe Steel " base	....	2 10
Tire Steel	2 30	2 50
Reeled Machinery	....	3 00
Toe Calk Steel	2 85	3 00
T. Firth & Co's tool steel, per lb	0 12½	0 13
Jessop's tool Steel	....	0 14
Morton's tool steel	0 12½	0 13
Black Diamond and "B.C." tool steel	0 10	0 11
Jas. Leonard's tool steel	0 08	0 09
Cast Steel, per lb	0 08	0 10

Boiler Tubes.

1½-inch	....	0 12½
" "	....	0 13
2½ "	....	0 15
3 "	....	0 16
3½ "	....	0 20
4 "	....	0 25

Steel Boiler Plate.

¼ inch	2 50	2 60
5-16 inch	2 60	2 70
⅜ inch and thicker	2 50	2 60

Black Sheets.

	Com.	D. Fl.
18 gauge	2 85	3 00
20 gauge	2 85	3 00
22 to 24 "	2 95	3 25
26 "	3 05	3 50
28 "	3 15	....

Canada Plates.

All dull, 52 sheets	....	3 00
Half polished	....	3 10
All bright	....	3 75

Iron Pipe.

Black pipe—	Per 100 Feet.
⅛ inch	4 65
¼ "	3 40
⅜ "	3 45
½ "	3 70
¾ "	3 85
1 "	5 40
1¼ "	7 70
1½ "	9 20
2 "	12 50
2½ "	24 00
3 "	28 00
3½ "	36 00
4 "	43 00
4½ "	50 00
5 "	57 00
6 "	73 00
Galvanized pipe—	
⅛ inch	5 15
¼ "	5 50
¾ "	7 95
1 "	10 80
1¼ "	12 95
1½ "	17 35
2 "	

5 p. c. off to preferred buyers.

Galvanized Sheets.

	G C. Comet.	Amer.	Queen's Head.
16 gauge	....	....	....
18 to 24 gauge	4 05 3 75	....	4 05
26 "	4 25 4 00	....	4 25
28 "	4 50 4 25	....	4 50

Less than case lots 10 to 15c. extra.
28 gauge American equals 26 gauge English.

Chain.

Proof Coil, 3-16 in., per 100 lb	....	....
" ¼ " "	7 85	8 10
" 5-16 " "	4 95	5 25
" ⅜ " "	4 35	4 60
" 7-16 " "	4 15	4 40
" ½ " "	4 00	4 25
" 9-16 " "	3 90	4 15
" ⅝ " "	3 80	4 05
" ¾ " "	3 85	4 10

Halter kennel and post chains, 40 to 40 and 5 p.c.
Cow ties..... 40 p.c.
Tie-out chains..... 65 p.c.
Stall fixtures..... 35 p.c.
Trace chain..... 45 p.c.
Jack chain, iron, single and double, discount 35 p.c.
Jack chain, brass, single and double, dis count 40 p.c.

Copper.

	Ingot	Per 100 lb.
English B. S., ton lots	....	15 00
Lake Superior	....	....

Bars.

Cut lengths round, ½ to ⅞ in.	23 00 25 00
" round and square 1 to 2 inches	23 00 25 00

Sheet.

Plain, 14 oz., and light, 16 oz., 14x48 and 14x60	22 00 22 50
Plain, 14 oz., and light, 16 oz., irregular sizes	22 50 23 00
Tinned copper sheets	24 00
Planished	32 00

Braziers (In sheets.)

4x6 ft. 25 to 30 lbs. ea., per lb.	0 23
" 35 to 45 " "	0 22
" 50-lb. and above, "	0 21

Boiler and T. K. Pitts

Plain Tinned, per lb	0 28
Spun, per lb	0 32

Copper Ware.

Discount, 50 per cent

Brass.

Rod and Sheet, 14 to 30 gauge, 15 per cent.

Sheets, hard-rolled, 2x4	0 23
ubing, base per lb	0 23½

Zinc Spelter

Foreign, per lb	5 50	6 00
Domestic "	...	..

Zinc Sheet.

5-cwt casks	6 00	6 25
Part casks	6 25	6 50

Lead.

Imported Pig, per 100 lb	3 50	3 75
Bar, 11b	....	0 95
Sheets, 2½ lbs. sq. ft., by	....	0 06¼
Sheets, 3 to 6 lbs., "	....	0 06

NOTE.—Cut sheets ½ cent per lb. extra.
Pipe, by the roll, usual weights per yard, lists at 7c. per lb. and 35 p.c. dis. f.o.b. Toronto.
NOTE.—Cut lengths, net price, waste pipe 3-ft. lengths lists at 7½ cents.

Shot.

Common, $6.50 per 100 lb.; chilled, $7.00 per 100 lb.; buck, seal and ball, $7.50. Discount, 22½ p.c. Prices are f.o.b. Toronto, Hamilton, Montreal, St. John and Halifax. Terms 3 per cent. cash, freights equalized.

Soil Pipe and Fittings.

Discount, 60 and 10 per cent. on medium and extra heavy, and 60 per cent. on light.

Solder.

	Per lb.	Per lb.
Bar half-and-half, guarant'd	....	0 19
Bar half-and-half, commer'l	....	0 18½
Refined	....	0 18
Wiping	....	0 17½

Antimony.

Cookson's, per lb	....	0 10

White Lead.

	Per 100 lb.
Pure	5 87½
No. 1	5 50
No. 2	5 12½
No. 3	4 75
No. 4	4 37½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B B. Genuine	7 00
" " No. 1	6 00

Red Lead.

Genuine, 560 lb. casks, per cwt.	$4 75
Genuine, 100 lb. kegs, per cwt.	5 00
No. 1, 560 lb. casks, per cwt.	4 25
No. 1, 100 lb. kegs, per cwt.	4 50

White Zinc.

Extra Red Seal	0 06	0 08
No. 1	0 05½	0 07
No. 2	0 05	0 06

Dry White Lead.

Pure, casks	5 25
Pure, kegs	5 50
No. 1, casks	5 00
No. 1, kegs	5 25

Prepared Paints.

In ¼, ½ and 1 gallon tins.

Pure, per gallon	....	1 25
Second qualities, per gallon	....	1 10
Barn (in bbls.)	0 60	0 90
The Sherwin-Williams Paints	....	1 40
Canada Paint Co's Pure	....	1 25
Toronto Lead & Color Co's Pure	....	1 25
Sanderson Pearcy's Pure	....	1 20
Stewart & Wood's Champion Pure		1 20

Colors in Oil.

25 lb. tins, Standard Quality.

Venetian Red, per lb	0 04½	0 06
Chrome Yellow	0 12	0 14
Golden Ochre	0 08	0 10
French "	....	0 06
Marine Black	....	0 09
Chrome Green	....	0 10
French Imperial Green	....	0 12
Sign Writers' Black	....	0 16
Burnt Umber	....	0 11
" Sienna	....	0 11
Raw Umber	....	0 11
" Sienna	....	0 11

Colors, Dry.

Common Ochre bbls	1 20	1 30
Yellow Ochre J.F.L.S., bbls	...	2 00
Yellow Ochre (La Belle)	1 15	1 25
Brussels Ochre	....	2 00
Venetian Red (best), bbl	1 75	2 00
English Oxides, per cwt	3 00	3 25
American Oxides, bbls	1 25	2 00
Canadian Oxides, bbls	1 25	1 75
Super Magnetic Oxides, 93p.c.	2 00	2 25
Burnt Sienna, pure, per lb	....	0 10
" Umber, " "	....	0 10
Raw do	....	0 09
Drop Black, pure	....	0 09
Chrome Yellows, pure	...	0 18
Chrome Greens, pure, per lb	0 09	0 10
Golden Ochre	0 04	0 05
Ultramarine Blue in 28-lb. boxes, per lb	0 06	0 18
Fire Proof Mineral, per 100 lb	....	1 00
Genuine Eng. Litharge, per lb	....	0 07
Mortar Color, per 100 lb	1 25	1 50
Pure Indian Red, No. 45 lb.	0 08	0 10
Whiting, bbl	0 55	0 60
English Vermillion in 20-lb. bags		0 95

Paris Green.

	per lb.
Petroleum Casks	.....
Arsenic Kegs	....
50-lb. and 100-lb. drums	....
25-lb. drums	.....
1-lb packages	.....
½-lb. do	.....
1-lb. tins	.....
½-lb do	.....

F. O. B. Toronto. Terms—3 p. c. off 30 days, or 4 mos. from date of delivery.

Blue Stone.

Casks, for spraying, per lb	0 07
100-lb. lots, do. per lb	0 08

Putty.

Bulk in bbls.,	1 90
Bulk in less quantity	2 05
Bladders in bbls	2 25
Bladders in kegs, boxes or loose	2 40
Bladders in 25-lb. tins	2 35
Bladders in 12½-lb. tins	2 65
Bladders in bulk or tins less than 100 lb	2 90

Varnishes.

In 5-gal. lots.	Per gal.	net.
Carriage, No. 1	1 50	1 60
Pale Durable body	4 10	4 25
" rubbing	2 85	3 00
Gold Size, Japan	2 85	3 00
No. 1 Brown Japan	...	0 85
Elastic Oak	....	1 50
Furniture, extra	....	1 25
" No. 1	....	0 85
Hard Oil Finish	1 65	1 75
Light Oil Finish	1 40	1 60
Demar	1 70	1 80
Shellac, white	2 3	2 45
" orange	2 25	2 35
Turpentine Brown Japan	....	1 25
" Black Japan	0 85	0 90
" No. 1	0 70	0 75

Elastillite Varnish 1 gal. can, each, $3.00.
Granitine Floor Finish per gal., $2.75.
Maple Leaf Coach Enamels; Size 1, $1 20 Size 2, 70c.; Size 3, 40c. each.

Castor Oil

East India, in cases, per lb	0 09½	0 10
" " small lots	0 10	0 10½

Cod Oil, Etc.

Cod Oil per gal	0 50	0 55
Pure Olive	....	1 20
" Neatsfoot	....	90

Glue.

Common	0 08½	0 09
French Medal	0 14	0 15½
Cabinet sheet	0 12	0 13
White, extra	0 18	0 20
Gelatine	0 22	0 30
Strip	0 18	0 20
Coopers	0 19	0 20
Huttner	....	0 18

JAMES HUTTON & CO.

Sole Agents in Canada for

Joseph Rodgers & Sons, Limited,
Steel, Peech & Tozer, Limited,
W. & S. Butcher,

Thomas Goldsworthy & Sons,
Burroughes & Watts, Limited,
Etc., Etc.,

Have reopened their offices in Victoria Chambers,

232 McGill Street, MONTREAL.

HARDWARE.

Ammunition.

Cartridges.

B. B Caps Dom. 50 and 5 per cent
Rim Fire Pistol, dis. 40 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Central Fire Pistol and Rifle, 10 p.c. Amer.
Central Fire Cartridges, pistol sizes Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 per cent.
Central Fire, Military and Sporting, Amer. add 5 p.c. to list. B.B. Caps, discount 40 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 10 p c. advance on list.
Brass Shot Shells, 55 per cent.
Primers, Dom., 30 per cent.; American, $1.60.

Wads	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb. bags	70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	

Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
and 6 gauges	1 90

Adzes.

Discount, 20 per cent.

Anvils.

Wright's, 80-lb. and over	0 10¾
Hay Budden, 80-lb. and over	0 09¼
Brook's, " " "	0 11¼

Augers.

Gilmour's, discount 65 and 5 p.c. off list.

Axes.

Chopping Axes		
Single bit, per doz	5 50	10 00
Double bit, "	11 00	18 00
Bench Axes, 40 p.c.		
Broad Axes, 25 per cent.		
Hunters' Axes	5 50	6 00
Boy's Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Axle Grease.

Ordinary, per gross	5 75	6 00
Best quality	13 00	15 00

Bath Tubs.

Zinc	6 00
Copper, discount 15 p.c. off revised list	

Baths.

Standard Enameled.

5½-inch rolled rim, 1st quality	25 00
" " " 2nd "	21 00

Anti-Friction Metal.

"Tandem" A per lb.	0 27
" B "	0 21
" C "	0 11½
Magnolia Anti-Friction Metal, per lb.	0 25
Frictionless metal, per lb	0 23

SYRACUSE SMELTING WORKS.

Aluminum, genuine	0 41
Dynamo	0 27
Special	0 22
Aluminum, 99 p.c. pure "Syracuse"	0 45
Phosphorine anti-friction metal	0 25

Bells.

Hand.

Brass, 60 per cent.
Nickel, 55 per cent

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Door.

Gongs, Sargant's	5 50	8 00
" Peterboro', discount 45 per cent.		

Farm.

American, each	1 25	3 00

House.

American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00
Blacksmiths', discount 40 per cent.		

Belting.

Extra, 60 per cent.
Standard, 60 and 10 per cent.
No. 1, not wider than 6 in., 50 10 and 10 p.c.
Agricultural, not wider than 4 in., 75 p c.

Bits.

Auger.

Gilmour's, discount 60 and 5 per cent.
Rockford, 50 and 10 per cent.
Jennings' Gen., net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind and Bed Staples.

All sizes, per lb	0 07¾	0 12

Bolts and Nuts.

	Per cent.
Carriage Bolts, common ($1 list)	55 and 5
" " full square ($2.40 list)	60 and 5
" " Norway iron ($3 list)	60 and 5
Machine Bolts, all sizes	55 and 5
Plough Bolts	55 and 5
Blank Bolts	60
Bolt Ends	60
Sleigh Shoe Bolts	70
Coach Screws, cone point	70
Nuts, square, all sizes, 3¾c per lb. off.	
Nuts, hexagon, all sizes, 4c. per lb. off.	
Stove rods, per lb. 5½ to 6c.	
Nuts, in 50 lb. lots ¼c. per lb extra, in less than 50 lb. lots, ½c. extra.	

Boot Calks.

Small and medium, ball, per M	4 25
Small heel, per M	4 50

Bright Wire Goods.

Discount 62½ per cent

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent

Henis, No. 8, "	6 00
Henis, No. 9, "	7 00
Queen City "	7 50 0 00

Butchers' Cleavers.

German, per doz	6 00 11 00
American, per doz	12 00 20 00

Building Paper, Etc.

Tarred felt, per 100 lb	1 70
Ready roofing, 2-ply, not under 45 lb. per roll	85
Ready roofing, 3-ply, not under 65 lb. per roll	1 10
Carpet felt, per ton	45 00
Dry sheathing, per roll, 400 sq. ft.	30
Tar sheathing, " " "	40
Dry fibre " " "	50
Tarred fibre, " " "	60
O.K. & I.X.L., " " "	65
Resin-sized, " " "	40
Oiled sheatih g, " 600 "	1 10
" " 400 "	70
Roof coating in barrels, per gal.	17
" " small packages	25
Refined tar, per barrel	4 50
Coal tar, "	4 00
Coal tar, less than barrels, per gal.	15
Roofing pit h, per 100 lb	85

Bull Rings.

Copper, $2.00 for 2½ in. and $1.90 for 2 in.

Butts.

Wrought Brass net revised list

Cast Iron.

Loose Pin, dis., 60 per cent.

Wrought Steel

Fast Joint, dis. 65, 10 and 2½ per cent.
Loose Pin, dis. 65, 10 and 2½ per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.

Gen. Bronzed, per pair	0 40	0 65

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	....

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	8 50	9 50

Cement.

Canadian Portland	1 90	2 75
English "	3 00	3 15
Belgian "	2 50	2 75
Canadian hydraulic	1 25	1 50

Chalk.

Carpenters Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 70 per cent.
Warnock's, dis. 70 per cent.
P. S. & W. Extra 60, 10 and 5 p.c.

Churns.

Revolving Churns, metal frames—No. 0, $8—No. 1, $8.50—No. 2, $9.00—No. 3, $10.00—No. 4, $12.00—No. 5, $16.00 each. Ditto, wood frames—20c. each less than above.
Discounts: Delivered from factories, 56 p.c.; from stock in Montreal, 54 p.c.
Terms, 4 months or 3 p.c. cash in 30 days

Clips.

Axle dis. 65 per cent.

Closets

	Net.
Plain York or Ontario Syphon Jet.	$9 60
Emb. York or Ontario Syphon Jet.	10 20
Fittings	1 00
Plain Elgin or Teu. Syphon Washout	6 00
Emb. Elgin or Teu. Syphon Washout	6 60
Fittings	1 25
Low Down Elgin or Teutonic, plain	9 60
" " " emb.	10 20
Plain Richelieu	4 00
Emb. Richelieu	4 25
Connections	1 25
Low Down Ont. Sy. Jet, plain	11 70
" " " " emb'd.	12 30
Closet connection	1 25
Basins P.O., 14 in.	0 70
" oval, 17 x 14 in.	1 50
" " 19 x 15 in.	2 25

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Cradles, Grain.

Canadian, dis. 25 to 33⅓ per cent.

Crosscut Saw Handles.

S. & D., No. 3, per pair	17½
" " 5, "	22½
" 6, "	15
Boynto pattern "	20

Door Springs.

Torrey's Rod, per doz. (15 p.c.)	2 00
Coil, per doz	0 88 1 60
English, per doz	2 00 4 00

Draw Knives.

Coach and Wagon, dis. 50 and 10 per cent
Carpenters, dis. 70 per cent.

Drills.

Hand and Breast

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis., 37½ to 40 per cent.
Standard dis. 50 and 5 to 55 per cent.

Faucets.

Common, cork-lined, dis. 35 per cent.

ELBOWS. (Stovepipe.)	per doz.
5 and 6-inch, common	1 20
7-inch	1 35

Polished, 15c. per doz. extra.

ESCUTCHEONS.

Discount, 45 per cent.

ESCUTCHEON PINS.

Iron, discount 40 per cent.

FACTORY MILK CANS.

Discount off revised list, 40 per cent.

FILES AND RASPS.

Great Western	70 and 10 per cent.
Arcade	70 " 10 "
Kearney & Foot	70 " 10 "
Disston's	70 " 10 "
American	70 " 10 "
J. Barton Smith	70 " 10 "
McClellan	70 " 10 "
Eagle	70 " 10 "
Nicholson, 60 and 10 to 60, 10 and 5	"
Royal	80 "
Globe	70 to 75 "

Black Diamond, 60 and 10 to 60, 10 and 5 p.c.
Jowitt's, English list, 25 to 27½ per cent.
Nicholson File Co 's "Simplicity" file handle per gross, 85c. to $1.50.

GLASS—Window—Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	D. Diamond Per 50 ft.	D. Diamond Per 100 ft.
Under 26	2 20	4 25	....	6 25
26 to 40	2 40	4 65	....	6 75
41 to 50	....	5 10	....	7 50
51 to 60	....	5 35	....	8 50
61 to 70	....	5 75	....	9 75
71 to 80	....	6 25	....	11 00
81 to 85	....	7 00	....	12 55
86 to 90	....	7 75	..	15 00
91 to 95	..	....	...	17 50
96 to 100	.. ..	....	..	20 50
101 to 105	....	....	....	24 00
106 to 110	....	....	....	27 50

GAUGES

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's, Nos. 26 to 33, each	1 65	2 40

HALTERS.

Rope, ⅜ per gross	....	....
" ½ "	....	9 00
" ⅝ to ¾ "	....	14 00
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

Maydole's, dis. 5 to 10 per cent. Can. dis. 25 to 27½ per cent.

Tack.

Magnetic per doz	1 10	1 20

Sledge.

Canadian, per lb	0 07½	0 08¾

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz. net	1 50	2 00
Store door, per doz	1 00	1 50

Fork.

C. & B., dis. 40 per cent. rev. list.

Hoe.

C. & B., dis. 40 per cent. rev. ist.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	

Hammer and Hatchet.

Canadian, 40 per cent.

Cross-Cut Saws.

Canadian, per pair	0 13¾

HANGERS.

	doz. pairs.
Steel barn door	5 85 6 00
Stearns, 4 inch	.... 5 00
" 5 inch	.... 6 50
Lane's covered—	
No. 11, 5-ft. run	.... 8 40
No. 11½, 10-ft. run	.... 10 20
No. 12, 10-ft. run	.... 12 60
No. 14, 15-ft. run	.... 21 00
Lane's O.N.T. track, per foot	.... 4½

HARVEST TOOLS

Discount, 70 per cent.

HATCHETS

Canadian, dis. 40 to 42½ per cent.

FOR THE STREET



THE TRADE "M&M" MARK LIGHT



FOR THE STORE

They are Where Best Liked Best Known!

What a Man Says "M. & M." Hardware About Lamps.

Over 30,000 "M. & M." Lamps are in daily use in the United States and Canada, and our largest orders come from localities where they are best known. The most efficient, most practical, most economical store-lighting proposition on the market, a claim which is amply proven by the enthusiastic testimonials constantly received from users and our agents. Send for circulars. AGENTS WANTED.

ACORN BRASS WORKS,
Dept. 8, 15-23 Jefferson Street. CHICAGO, ILL.

Acorn Brass Works, Chicago, Ill., Madison, Neb., Oct. 21, 1901.
Gentlemen:—I am using five of your 'M. & M." Arc Vapor Lamps in my store, and have been for the past three years. They are as good as the day I put them up, so far as I can see. My store is lighter than daylight. The store next to mine has 26 incandescent electric lights in a room 23x84, and it looks as if he had so many tallow candles compared to the light in my store. Respectfully yours, WM. PARKINSON.

HINGES.

Blind, Parker's, dis. 50 and 10 to 60 per cent.	
Heavy T and strap, 4-in., per lb	0 06½
" " 5-in., "	0 06¼
" " 6-in., "	0 06
" " 8-in., "	0 05¾
" " 10-in., "	0 05½
Light T and strap, dis. 65 and 5 per cent.	
Screw hook and hinge—	
6 to 10 in., per 100 lbs	4 25
12 in. up, per 100 lbs	3 25
	Per gro. pairs
Spring	12 00

HOES.

Garden, Mortar, etc., dis. 50 and 10p.c.

Planter, per doz	4 00 4 50

HOLLOW WARE

Discount, 45 and 5 per cent.

HOOKS.

Cast Iron.

Bird Cage, per doz	0 50	1 10
Clothes Line, per doz	0 27	0 63
Harness, per doz	0 72	0 88
Hat and Coat, per gross	1 00	3 00
Chandelier, per doz	0 50	1 00

Wrought Iron.

Wrought Hooks and Staples, Can. dis. 47½ per cent.

Wire.

Hat and Coat, discount 45 per cent.
Belt, per 1,000 0 60
Screw, bright, dis. 55 per cent.

HORSE NAILS.

"C" brand 50 and 7½p.c.off new list } Oval-
"M" brand 50, 10 and 5 per cent. } head
Countersunk, 60 per cent.

HORSESHOES.

Iron Shoes.	F.O.B. Montreal. No. 2 and larger.	No. 1. and smaller.
Light, medium and heavy	3 50	3 75
Snow shoes	3 75	4 00
Steel Shoes.		
Light	3 60	3 85
Featherweight (all sizes)	4 85	4 85

F.O.B. Toronto, Hamilton, London and Guelph, 10c. per keg additional.
Toe weighs steel shoes 6 70

JAPANNED WARE.

Discount, 45 and 5 p.c. off list, June 1899.

ICE PICKS.

Star per doz	3 00 3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.

Copper, per lb	0 30 0 50

American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 45 p.c.
Cabinet, trunk, and padlock, Am. per gross 60

KNOBS.

Door, japanned and N.P., per doz	1 50 2 50
Bronze, Berlin, per doz	2 75 3 25
Bronze Genuine, per doz	6 00 9 00
Shutter, porcelain, F. & L screw, per gross	1 30 4 00
White door knobs—per doz.	1 25

HAY KNIVES.

Discount, 50 and 10 per cent.

LAMP WICKS.

Discount, 60 per cent.

LANTERNS.

Cold Blast, per doz	7 00
No. 3 "Wright's"	8 50
Ordinary, with O burner	4 00
Dashboard, cold blast	9 00
No. 0	5 75

Japanning, 50c. per doz. extra

LEMON SQUEEZERS.

Porcelain lined, per doz.	2 20	5 60
Galvanized	1 87	3 85
King, wood	2 75	2 90
King, glass	4 00	4 50
All glass	1 20	1 30

LINES.

Fish per gross	1 05	2 50
Chalk "	1 90	7 40

LOCKS.

Canadian, dis. 45 p.c.

Russel & Erwin, per doz. Cabinet.	3 00	3 25

Eagle, dis. 30 p.c.

Padlock.

English and Am. per doz	50	6 00
Scandinavian, "	1 00	2 40

Eagle, dis. 20 to 25 p.c.

MACHINE SCREWS. Iron and Brass.

Flat head discount 25 p.c.
Round Head discount 20 p.c.

MALLETS.

Tinsmiths' per doz	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz.	3 85	5 00
Caulking each	60	2 00

MATTOCKS.

Canadian, per doz	5 50	6 50

MEAT CUTTERS.

American, dis. 25 to 30 p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are;	Cut.	Wire.
2 d and 3d	$3 35	$3 55
3 d	3 00	3 22
4 and 5d	2 75	3 05
6 and 7d	2 65	2 90
8 and 9d	2 50	2 70
10 and 12d	2 45	2 65
16 and 20d	2 40	2 60
30, 40, 50 and 60d. (base)	2 35	2 55

Wire nails in carlots are $2 50
Galvanizing 2c. per lb. net extra.
Steel Cut Nails 10c. extra.
Miscellaneous wire nails, dis. 75 p.c.
Coopers' nails, dis. 30 per cent.
Flour barrel nails, dis. 25 per cent

NAIL PULLERS.

German and American	1 85	3 50

NAIL SETS.

Square round, and octagon per gross	3 38	4 00
Diamond	12 00	15 00

POULTRY NETTING.

2-in. Mesh, 19 w.g., dis. 60 p.c.
2-in. Mesh, 18 w.g. and heavier, 50 and 10 p.c.

OAKUM.

	Per 100 lb.
Navy	6 00
U.S. Navy	7 25

OIL.

Water White (U.S.)	0 16½
Prime White (U.S.)	0 15½
Water White (Can.)	0 15
Prime White (Can.)	0 14

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal. per doz	10 00
Zinc and tin, dis. 50, 50 and 10.	
Copper, per doz	1 25 3 50
Brass, "	1 50 3 50

Malleable, dis. 25 per cent.

GALVANIZED PAILS.

Dufferin pattern pails, dis. 45 p.c.
Flaring pattern, discount 45 per cent.
Galvanized washtubs discount 45 per cent.

PIECED WARE.

Discount 40 per cent. off list, June, 1899.
10-qt. flaring sap buckets, dis. 40 p.c.
6, 10 and 14-qt. flaring pails, dis. 40 p.c.
Creamer cans, dis. 40 p.c.

PICKS.

Per doz	6 00 9 00

PICTURE NAILS.

Porcelain head, per gross	1 75	3 00
Brass head "	0 40	1 00

PICTURE WIRE.

Tin and gilt, discount 75 p.c.

PLANES.

Wood, bench, Canadian dis. 40 per cent. American dis. 50.
Wood, fancy Canadian or American 7½ to 40 per cent.

PLANE IRONS.

English, per doz	2 00	5 00

PLIERS AND NIPPERS.

Button's Genuine per doz pairs, dis. 37½ 40 p.c.

Button's Imitation, per doz	5 00	9 00
German, per doz	0 60	2 60

PLUMBERS' BRASS GOODS.

Standard Compression work, dis. 60 p.c.
"J.M.T." Cushion work, dis. 50 p.c.
Fuller work, dis. 65 p.c.
6 doz. lots and over of the above, extra dis. 10 p.c.
Rough Stops and Stops and Waste, dis. 60 p.c. With, in lots of 2 doz. and over, an extra dis. of 10 p.c.
"J.M.T." Globe, Angle and Check Valves, dis 55 p.c.
Standard Globe, Angle and Check Valves, dis. 60 p.c
"J.M.T." Radiator Valves, dis. 55 p.c.
Standard " " dis., 60 p.c.
Patent Quick Opening Valves, dis. 65 p.c. and 10 p.c

No. 1 compression bath cock, net	2 00
No. 4 " " "	2 00
No. 7, Fuller's	2 20
No 4½, "	2 35
Patent Compression Cushion, basin cock, hot and cold, per doz.	15 00
Patent Compression Cushion, bath cock, No. 2208	2 25

POWDER.

Velox Smokeless Shotgun Powder.

100 lb. or less	0 85
1,000 lb. or more	0 80

Net 30 days.

PRESSED SPIKES.

Discount 25 per cent.

PULLEYS.

Hothouse, per doz	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning	0 35	2 50

PUMPS.

Canadian cistern	1 80	3 60
Canadian pitcher spout	1 40	2 10

PUNCHES.

Saddlers', per doz	1 00	1 8
Conductors' "	9 00	15 00
Tinners', solid, per set	0 00	0 72
" hollow per inch	0 00	1 00

RANGE BOILERS.

	Net.
Dominion, 35 "	6 75
" 40 "	7 75
Ronald's Galvanized 30 gallons	6 50
" " 35 "	7 50
" " 40 "	8 50
Copper, 30 gallons	25 00
" 35 "	29 00
" 40 "	33 00

RAKES.

Wood, 10 per cent.

RAZORS.

	per doz.	
Elliot's	4 00	18 00
Geo. Butler & Co.'s	4 00	18 00
Boker's	7 50	11 00
" King Cutter	12 50	50 00
Wade & Butcher's	3 60	10 00
Theile & Quack's	7 00	12 00

REGISTERS.

Discount 40 per cent

RIVETS AND BURRS.

Iron Rivets, black and tinned, discount 60 and 10 per cent.
Iron Burrs, discount 55 per cent.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c per lb.
Copper Rivets with usual proportion burrs, 45 and 10 dis., cartons, 1c. per lb. extra, net.
Copper Burrs only, 30 and 0 p.c.
Extras on Tinned or Coppered Rivets ½-lb. cartons, 1c. per lb.

RIVET SETS

Canadian dis. 35 to 37½ per cent

ROPE ETC.

Sisal	11½
Pure Manilla	16
"British" Manilla	13½
Cotton, 3-16 inch and larger	16
" 5-32 inch	21
" ⅛ inch	22
Russia Deep Sea	15
Jute	8
Lath Yarn	11

RULES.

Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS.

	per set.
Mrs. Potts, No. 55, polished	65
" No. 50, nickle-plated	75

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 5 per cent.
Emery, 40 per cent.
Garnet (Rurton's), 5 to 10 p.c. advance on list.

SAP SPOUTS.

Bronzed iron with hooks, per doz	9 50

SAWS.

Hand Disston's, dis. 12½ p.c.
S. & D., 40 per cent.

Crosscut, Disston's, per ft	35	0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.		
Hack, complete, each	0 75	2 75
" frame only		0 75

SASH WEIGHTS.

Sectional, per 100 lbs	2 25	2 50
Solid, "	1 75	2 00

SASH CORD.

Per lb	0 23	0 30

SAW SETS.

Lincoln' and Whiting, per doz	4 75
Hand Sets, No. 1 Woodyatt (Morrill)	4 25
X-cut sets, No. 3 Woodyatt (Morrill)	9 50

SCALES.

Standard, 45 p.c.
Champion, 55 p.c.
Spring Balances, 10 p.c.
Fairbanks Standard, 35 p.c.
" Dominion, 55 p.c.
" Richelieu, 55 p.c.
Warren's new Standard 45 p.c.
" " Champion 65 p.c.

SCREW DRIVERS.

Sargent's per doz	0 65	1 00

SCREWS

Wood, F. H., bright and steel, 87½ and 10 p.c
Wood R. H., " dis. 82½ and 10 p.c.
" F. H., brass dis. 80 and 10 p.c.
Wood, R. H., " dis. 75 and 10 p.c.
" F.H., bronze, dis. 75 p.c.
" R.H. " 70 p.c.
Drive Screws, 87½ and 10 per cent.

Bench, wood, per doz	3 25	4 00
" iron, "	4 25	5 75

Set, Case hardened, 60 per cent.
Square Cap, 50 and 5 per cent.
Hexagon Cap, 45 per cent.

SCYTHES.

Per doz, net	9 00

SCYTHE SNATHS.

Canadian, dis. 45 p.c.

SHEARS.

Bailey Cutlery Co., full nickeled, dis. 60 p.c.
Seymour's, dis. 50 and 10 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SINKS.

Steel and galvanized, discoun 45 per cent.

SNAPS.

Harness, German, dis. 25 p.c.		
Lock, Andrews'	4 50	11 50

SOLDERING IRONS.

1, 1½ lb., per lb	0 37
2 lb. or over, per lb	0 34

SQUARES.

Iron, No. 493, per doz	2 40	2 55
" Mo. 494, "	3 25	3 40

Steel, dis. 60. 10 and 5 p.c.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.

Plain, dis. 75 and 12½ p.c. off revised st
Retinned, dis., 75 p.c. off revised ist.

STAPLES.

Galvanized	3 50	4 00
Plain	3 25	3 75

Coopers', discount 45 per cent.
Poultry netting staples, 40 per cent.

STANDARD CHAIN CO., PITTSBURGH, U. S. A.

MANUFACTURERS OF **CHAIN** OF ALL KINDS.

Proof Coil, B.B., B.B.B., Crane, Dredge Chain, Trace Chains, Cow Ties, etc.

ALEXANDER GIBB, Montreal. —Canadian Representatives— A. C. LESLIE & CO., Montreal.

For Provinces of Ontario and Quebec. For other Provinces.

STOCKS AND DIES.

American dis. 25 p.c.

STONE.	Per lb.	
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip,	0 09	0 09
Labrador	....	0 13
" Axe	....	0 15
Turkey	....	0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind. 2 in. 40 to 200 lb. per ton	....	25 00
" under 40 lb. "	....	28 00
Grind. under 2 in. thick "	....	29 00

STOVE PIPES.

5 and 6 inch Per 100 lengths	....	7 00
7 inch " "	....	7 50

ENAMELINE STOVE POLISH.

No. 4—3 dozen in case, net cash	$4 80
No. 6—3 dozen in case, "	8 40

TACKS BRADS, ETC.

Cheese-box tacks, blued ..... 80 & 12½
Trunk tacks, black and tinned 85
Carpet tacks, blued ..... 80 & 15
" " tinned ..... 80 & 20
" " (in kegs) 40
Cut tacks, blued, in dozens only .. 80
" ¼ weights 60
Swedes cut tacks, blued and tinned—
In bulk ..... 80 & 10
In dozens 75
Swedes, upholsterers', bulk .... 85, 12½ & 12½
" brush, blued & tinned, bulk .. 70
" gimp, blued, tinned and japanned ..... 75 & 12½
Zinc tacks 35
Leather carpet tacks 55
Copper tacks 50
Copper nails 52½
Trunk nails, black ..... 65 and 5
Trunk nails, tinned ..... 65 and 10
Clout nails, blued ..... 65 and 5
Chair nails 35
Patent brads 40
Fine finishing 40
Lining tacks, in papers 10
Lining tacks, in bulk 15
" solid heads, in bulk 75
Saddle nails in papers 10
" " in bulk 15
Tufting buttons, 22 line, in dozens only 60
Tin capped trunk nails 25
Zinc glazier's points 5
Double pointed tacks, papers ..... 90 and 10
" " " bulk 40

TAPE LINES.

English, ass skin, per doz.	2 75	5 00
English, Patent Leather	5 50	9 75
Chesterman's each	0 90	2 85
" steel, each	0 80	8 00

THERMOMETERS.

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TRAPS. (Steel.)

Game, Newhouse, dis. 25 p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's discount 10 per cent.
German, per doz. 4 75 6 00
S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb.	....	0 27
Wrapping, cotton, 3-ply		0 18½
" 4-ply	....	0 23½
Mattress, per lb.	0 33	0 45
Staging, "	0 27	0 35

VISES.

Wright's	....	0 13½
Brook's	....	0 12¾
Pipe Vise, Hinge, No. 1	....	3 50
" No 2	....	5 50
Saw Vise	4 59	9 00

ENAMELLED WARE.

White, Princess, Turquoise, Blue and White, discount 50 per cent.
Diamond, Famous, Premier, 50 and 10 p.c.
Granite or Pearl, Imperial, Crescent, 50, 10 and 10 per cent.

WIRE.

SMOOTH STEEL WIRE.

No. 0-9 gauge		$2 60
10 "		6c. extra.
11 "		12c. "
12 "		20c. "
13 "		30c. "
14 "		40c. "
15 "		55c. "
16 "		70c. "

Add 60c. for coppering and $2 for tinning.

Extras net per 100 lb. — Oiled wire 10c. spring wire $1.15, special hay baling wire 30c. best steel wire 75c., bright 8 ft drawn 15c. charcoal (extra quality) $1.25, packed in casks or cases 15c., bagging and papering 10c., 50 and 100-lb. bundles 10c., in 25-lb. bundles 15c., in 5 and 10-lb. bundles 25c., in 1-lb. hanks 50c., in ½-lb. hanks 75c., in ¼-lb. hanks $1.

Fine Steel Wire, dis. 22½ per cent. List of extras: In 100-lb. lots: No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, 7.65—No. 24, $8—No. 25, $9—No. 26 $9.50—No. 27, $10—No. 28, $11 No. 29. $12—No. 30, $13—No. 31, $14—No. 32 $15, No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31 $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles, 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.50 to $3.85—No. 9, $2.85 to $3.15—No. 10, $3.60 to $3.95—No. 11, $3.70 to $4.10—No. 12, $3 to $3.30—No. 13, $3.10 to $3.40—No. 14, $4.10 to $4.50—No. 15, $4.60 to $5.05—No. 16, $4.85 to $5.35. Base sizes, Nos. 6 to 9 $2.52½ f.o.b. Cleveland.
Clothes Line Wire, regular 7 strand. No. 17, $4.65; No. 18, $2.90; No. 19, $2.60. Hollow 6 strand, No. 17, $1.30; No. 18, $2.70, No. 19, $2.35; No. 20, $2.30, f.o.b. Hamilton, Toronto Montreal.

WIRE FENCING.

Galvanized barb	3 00
Galvanized, plain twist	3 00

Galvanized barb, f.o.b. Cleveland, $2.77½ in less than carlots, and $2.65 in carlots

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net .. 1 25

WASTE COTTON.

	per lb.
Colored	6
White	8

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 60 p.c.
Coe's Genuine, dis. 20 to 25 p.c.

Towers' Engineer, each	3 00	7 00
" S., per doz.	5 80	6 00
G. & K.'s Pipe, per doz.	....	3 40
Burrell's Pipe, each	....	3 00
Pocket, per doz.	0 25	2 90

WRINGERS.

Leader ..... per doz.	$30 00	33 00
Royal Canadian .. "	....	24 00
Royal American., "	....	24 00
Sampson ..... "	....	24 00

Terms 4 months, or 3 p.c. 30 days.

WROUGHT IRON WASHERS.

Canadian make, discount, 40 per cent.

ADVERTISING in WESTERN CANADA

will be Carefully Efficiently, and Promptly attended to, by

The Roberts Advertising Agency,
WINNIPEG CANADA.

The Batty Stove & Hardware Co.

Successors to

The Toronto Branch of THE COPP BROS. CO., Limited.

Wholesale dealers in

MANTELS, GRATES, TILES, ETC.

HOT-AIR REGISTERS.

HOT-AIR DAMPERS.

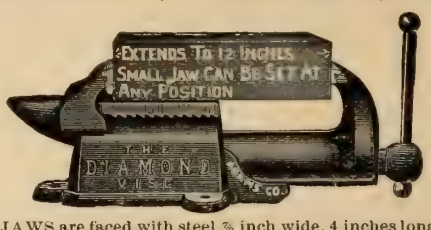
STOVE AND FURNACE CEMENT: 3½ and 5-lb. Cans.

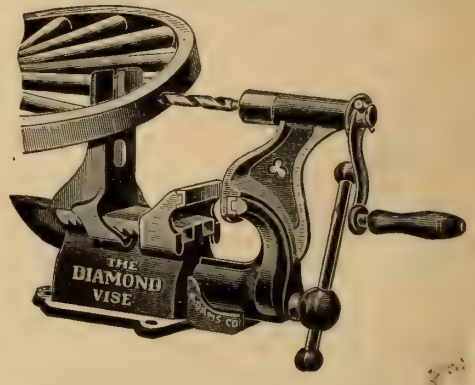
STOVE POLISH. STOVE REPAIRS.

THE BATTY STOVE & HARDWARE CO.
279 Queen West, TORONTO.

DIAMOND VISE AND DRILLING ATTACHMENT

U. S. Patent Jan. 15, '95. Canadian Patent July 22, '95.





JAWS are faced with steel ⅞ inch wide, 4 inches long, firmly fastened to jaw, checked and hardened.
VISE weighs 38 pounds. DRILL weighs 13 pounds.
For Sale by Jobbers of Hardware.

Made by—
The Adams Company, Dubuque, Iowa, U.S.A.
Made by **A. R. Woodyatt & Co.,** Guelph, Ont.

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY MONTREAL.

Watch our ad. in next issue, or write to us for particulars on our patented

Automatic Door Strip and Weather Strip

Specially adapted for cold climates and takes the place of the inner window.

HELMS & HELMS, 148-50 Willow St., PHILADELPHIA.

Standard Paint & Varnish Works, Limited
Makers of High Grade Varnishes, Japans, Paints, Colors & Enamels.
Windsor, Ont.



Ontario Nut Works, Paris

BROWN & CO.

Manufacturers of

All sizes of Hot Pressed Nuts, Square and Hexagon.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker,

13 St. John Street, Montreal

Representing British and American Manufacturers. Correspondence invited from firms wishing to be represented in Canada.

"THE EMLYN" SAW BENCH

Made in 6 sizes. Best value obtainable. Specially designed for export With or without "Emlyn" Patent Guard. Sole maker—

CHARLES D. PHILLIPS,

Cables—"Machinery," Newport.

Emlyn Engineering Works, NEWPORT, MON., ENGLAND.

ONTARIO SILVER CO.,

Limited,

NIAGARA FALLS, CANADA.

Manufacturers of **FLATWARE, CUTLERY and ELECTRO PLATE.** . . .

Ask for our Catalogue and Quotations.

When you give your order for Booklet or Catalogue ask

Your Printer

to show you Cornwall Cover Paper, that is one of our newest specialties. It will help the printer to make you a tasty job.

CANADA PAPER CO., Limited

TORONTO and MONTREAL

THE OAKVILLE BASKET CO.,



Manufacturers of

1, 2, 3 Bushel

Grain

AND

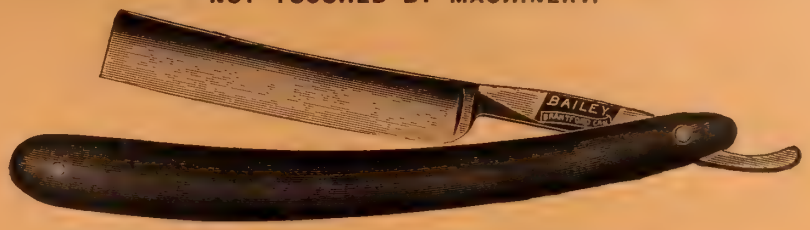
Root

BASKETS

THE OAKVILLE BASKET CO.

HAND-FORGED **RAZORS** HAND-GROUND

NOT TOUCHED BY MACHINERY.



Fully Warranted.

Ask for Catalogue.

Made in Canada by—[illegible]

Manufacturers of Steel-Laid Shears and Scissors, Hand-Forged Butcher Knives and Tinners' Snips.

BAILEY CUTLERY CO., LIMITED

BRANTFORD, ONTARIO.

CHAS. P. CLARK, President. **JARED CHITTENDEN, Treasurer.**

...ESTABLISHED 1849...

BRADSTREET'S

Capital and Surplus, $1,500,000. **Offices Throughout the Civilized World.**

Executive Offices: Nos. 346 and 348 Broadway, New York City, U.S.A.

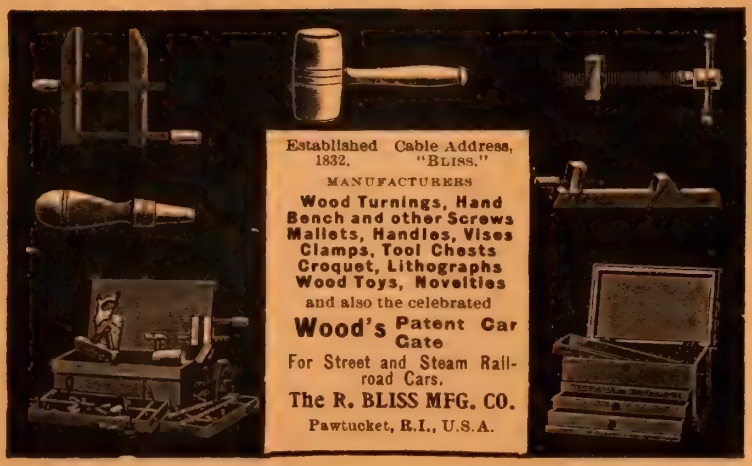
THE BRADSTREET COMPANY gathers information that reflects the financial condition and the controlling circumstances of every seeker of mercantile credit. Its business may be defined as of the merchants, by the merchants, for the merchants. In procuring, verifying and promulgating information, no effort is spared, and no reasonable expense considered too great, that the results may justify its claim as an authority on all matters affecting commercial affairs and mercantile credit. Its offices and connections have been steadily extended, and it furnishes information concerning mercantile persons throughout the civilized world.

Subscriptions are based on the service furnished, and are available only by reputable wholesale, jobbing and manufacturing concerns, and by responsible and worthy financial, fiduciary and business corporations. Specific terms may be obtained by addressing the Company at any of its offices. **Correspondence Invited.**

——OFFICES IN CANADA——

HALIFAX, N.S.	HAMILTON, ONT.	LONDON, ONT.	MONTREAL, QUE.
OTTAWA, ONT.	QUEBEC, QUE.	ST. JOHN, N.B.	TORONTO, ONT.
VANCOUVER, B.C.	VICTORIA, B.C.	WINNIPEG, MAN.	

THOS. C. IRVING, Gen. Man. Western Canada, Toronto. JOHN A. FULTON, Gen. Man. Eastern Canada, Montreal.



Established 1832. Cable Address, "BLISS."

MANUFACTURERS

Wood Turnings, Hand Bench and other Screws Mallets, Handles, Vises Clamps, Tool Chests Croquet, Lithographs Wood Toys, Novelties

and also the celebrated

Wood's Patent Car Gate

For Street and Steam Railroad Cars.

The R. BLISS MFG. CO.

Pawtucket, R.I., U.S.A.

Canadian Representative: ALEXANDER GIBB, 13 St. John St., MONTREAL.

75 YEARS. *ESTABLISHED 1825.* *75 YEARS.*

CELEBRATED **HEINISCH** SHEARS.

Tailors' Shears, Trimmers, Scissors, Tinners' Snips, etc.



ACKNOWLEDGED THE BEST.

R. HEINISCH'S SONS CO.

NEW YORK OFFICE, 90 Chambers St.
NEWARK, N.J., U.S.A.

Not connected with any Shear Combination.

Est. 1808 — Inc. 1895

Black Diamond File Works

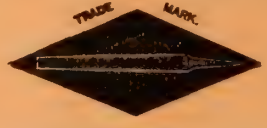
G. & H. Barnett Company

PHILADELPHIA

Twelve Medals



Awarded
By **JURORS** at
International Expositions
Special Prize
Gold Medal at Atlanta, 1895



RUBBER HOSE

FOR

Water	Air	Suction
Steam	Acids	Fire Protection
Gas	Brewers	Pneumatic Tools

SUPERIOR IN QUALITY.
SATISFACTORY IN SERVICE.

When you want anything made of rubber, write to us.

THE GUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

Head Office and Warerooms—
45-47-49 West Front St.

TORONTO,

Factories—115-165 West Lodge Ave.
124-148 O'Hara Ave.

CANADA.

We have in stock:

- Gold and Metal Leaves
- Chamois Skins
- Glaziers' Diamonds
- Graining Combs
- Dry White Lead
- Red Lead
- Litharge
- Orange Mineral
- Zinc Oxides
- Whiting

and shall be pleased to quote lowest prices on application.

B. & S. H. THOMPSON & CO.

53 St. Sulpice Street,

MONTREAL.

CORDAGE

ALL KINDS AND FOR ALL PURPOSES.

Manila Rope	Lathyarn
Sisal Rope	Shingleyarn
Jute Rope	Bale Rope
Russian Rope	Lariat Rope
Marline	Hemp Packing
Houseline	Italian Packing
Hambroline	Jute Packing
Clotheslines	Drilling Cables
Tarred Hemp Rope	Spunyarn
White Hemp Rope	Pulp Cord
Bolt Rope	Lobster Marlin
Hide Rope	Paper Cord
Halyards	Cheese Cord
Deep Sealine	Hay Rope
Ratline	Fish Cord
Plow Lines	Sand Lines

"RED THREAD" Transmission Rope from the finest quality Manila hemp obtainable, laid in tallow.

CONSUMERS CORDAGE COMPANY, Limited

Western Ontario Representative—
WM. B. STEWART,
Tel 94. 27 Front St. West, TORONTO.

MONTREAL, QUE.



Desirable Anti-Friction Metal—Langwell's Babbit, Montreal.

CANADIAN

HARDWARE

AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XIV. MONTREAL AND TORONTO, MARCH 8, 1902 NO. 10.

POCKET KNIVES

H. BOKER & COS

IMPROVED

TREE BRAND

TRADE MARK

RAZORS CUTLERY SCISSORS

FOR SALE BY LEADING WHOLESALE HARDWARE HOUSES.

If any other brand will do in place of "QUEEN'S HEAD," buy . . . . .



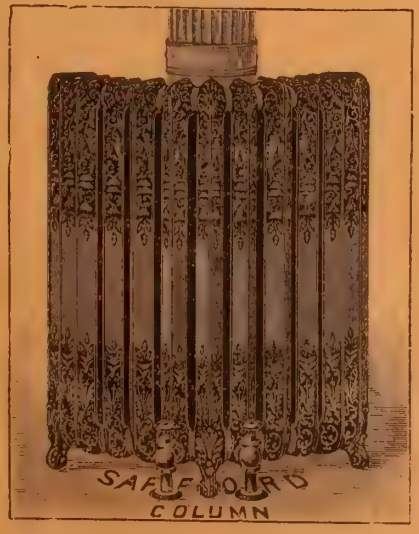
"Fleur de Lis"

NOT a second quality, but "QUEEN'S HEAD" quality with ordinary galvanizing. Rapidly coming to the front for work where a heavy coating is not needed.

JOHN LYSAGHT, Limited, Makers, BRISTOL, ENG.

A. C. LESLIE & CO., MONTREAL, Managers Canadian Branch.

Compare Them



Compare the **"SAFFORD'S"** record with any other steam or hot-water radiator on the market—you'll find it "on top" every time.

It's a radiator with a good record for satisfaction. It's made without bolts or packing. Has a screwed nipple-connection—made to last a lifetime.

Hear about it—write to us for particulars if you have not our catalogue.

The Dominion Radiator Co.,

Limited

Head Office: DUFFERIN ST., TORONTO, CANADA

SPRING 1902.

GARDEN TOOLS

HOSE and SPRINKLERS.

RICE LEWIS & SON

LIMITED

WRITE FOR PRICES. TORONTO.

Tinplates

Coke **Charcoal**

From Stock or for Import

M. & L. Samuel, Benjamin & Co.

General Importers and Exporters and Metal Merchants.

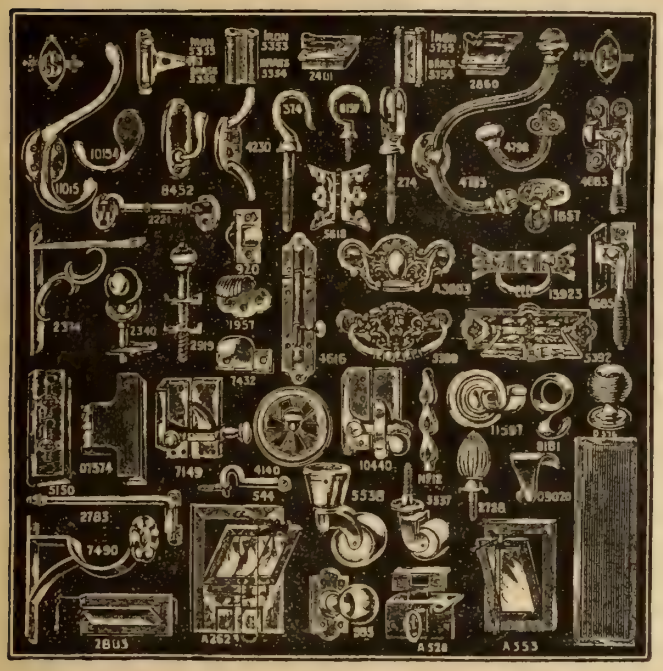
27 Wellington St. West, TORONTO, ONT.

James Cartland & Son

Manufacturers of every description of **Limited**

CABINET, BUILDERS', FURNISHING AND NAVAL BRASSFOUNDRY

BIRMINGHAM, ENGLAND.



London Showrooms: 57 Holborn Viaduct, E.C.

GARDEN HOSE

Seamless Tube.

SEAMLESS TUBE LAPPED TUBE



All brands of our **GARDEN HOSE** are made with our

Patent Seamless Tube

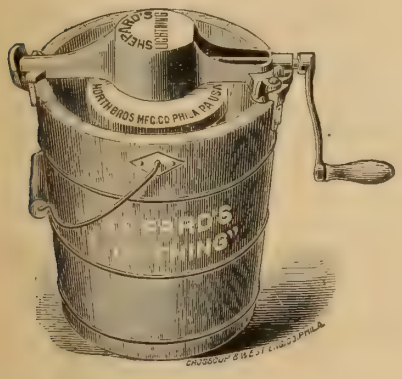
WRITE FOR DISCOUNTS.

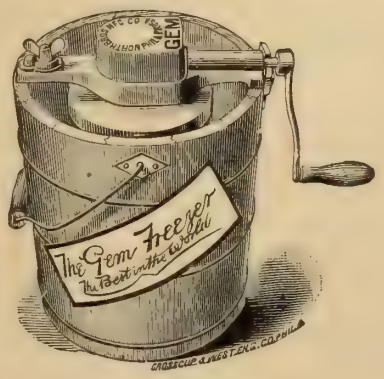
The Canadian Rubber Co.

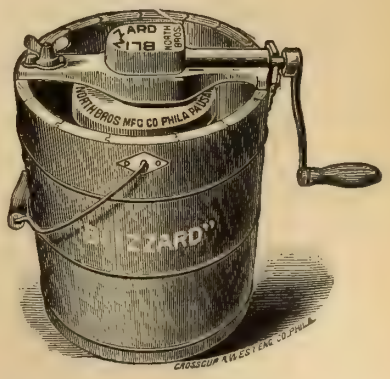
MONTREAL TORONTO WINNIPEG

Lightning, Gem Blizzard . . .

FREEZERS







ARE

Well Advertised.
In Demand.
Easily Sold.
Satisfactory in Use.
Of Known Reputation.

HAVE

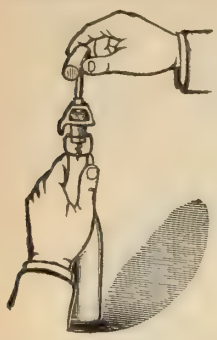
Cedar Pails with Electric Welded Wire Hoops.
Cans of Heavy Tin with Drawn Steel Bottoms.
AUTOMATIC Twin Scrapers.
"The Ice Cream Freezer Book" tells all about these and our other Freezers, mailed free.

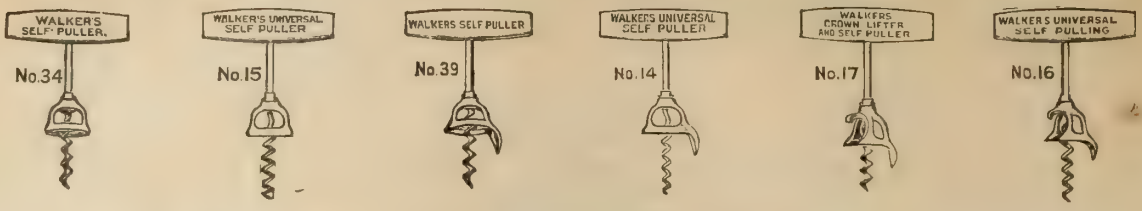
EXCEL IN

Easy Running.
Quick Freezing.
Economy.
Convenience.
Practical Results.

North Bros. Mfg. Co., Philadelphia, Pa., U.S.A.

See! You Don't Have to Pull. A Child Can Do It.



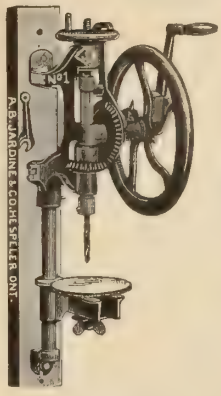


Walker's Self-Pulling Cork Screws

Made of Crucible Steel, Nickel Plated, Polished Apple Wood Handles.

EVERY ONE TESTED AND GUARANTEED. Several imitations on the market, but none as good

Mfrd. only by ERIE SPECIALTY CO., Erie, Pa., U.S.A.

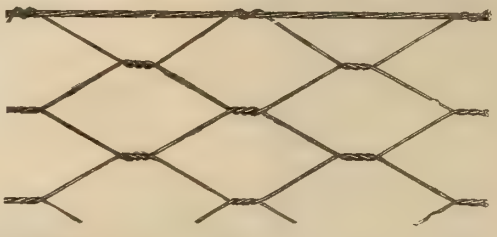


TRADE MARK J REGISTERED

Blacksmiths' Hand Drills.

The very best.

A. B. JARDINE & CO.
HESPELER, ONT.

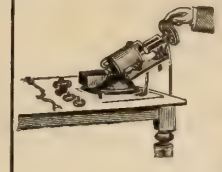


First-class **FARM FENCING**

only 30 cents per ROD

For Sale by — With Discount to Dealers.

The Ontario Wire Fencing Co.,
PICTON, ONT. Limited.



G. A. Crosby & Co. of Ontario,

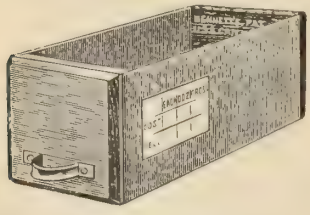
SARNIA, ONT. LIMITED

Manufacturers of

Patent Automatic Can Making Machinery, Presses, Dies and Special Machinery for Working Sheet Metal

After Stocktaking

in the quiet time is the opportunity to equip with



Bennett's Patent Shelf Box

Write for our new discount sheets containing lower prices and 7 varieties in Shelf Boxes.

J. S. BENNETT, Patentee and Manufacturer,
15 MARION ST., **TORONTO**

The Frost Wire Fence Company, Limited

WELLAND, ONT.

FACTORIES AT CLEVELAND, OHIO, AND WELLAND, ONT.

MAKERS OF **Frost Fencing, Frost Steel Gates, and Coiled Spring Wire.**

CLOSEST PRICES QUOTED ON APPLICATION.

DEALERS

Do you sell the "GLORIA" Light?

WHY NOT?

Our goods are the best—our prices are the lowest. Our "United Gloria" Triple Weave Mantle is the strongest and most brilliant mantle in the market. We manufacture it and know when we sell it it will bring repeat orders. We manufacture "United" Single Weave and Gasoline Mantles and carry a large stock of Burners, Chimneys, Bulb Globes, Fancy Etched and Ruby Globes.

SEND FOR PRICE LIST.

THE UNITED INCANDESCENT LIGHT CO.

Phone Main 969. **7 Yonge St. Arcade, Toronto.**

Telephone: MAIN 2927 — Cable Address: "TIMA"

The International Mercantile Agency

JANES BUILDING . . . of TORONTO

begs to announce to the Manufacturers and Merchants of Canada that they have the most effective system for collecting past due and old accounts in Canada, United States and Europe, without using offensive methods to debtors. Our reputation has been established by doing business on business principles, and prompt remittances, and we will be pleased to refer prospective clients to the hundreds of patrons we are doing business with.

We will be pleased to quote our rates on application or send one of our representatives to call on you. Correspondence solicited.

THE INTERNATIONAL MERCANTILE AGENCY OF TORONTO

IRON STEEL

BAR IRON

NORWAY IRON

REFINED IRON

RUSSIA IRON

GALVANIZED SHEETS (BELL BRAND)

STEEL HOOPS

STEEL PLATES

BLACK SHEETS

CANADA PLATES

TOOL STEEL

WRITE FOR PRICES

REELED MACHINERY STEEL

TIRE STEEL

DRILL STEEL

WE SHIP QUICK

Lewis Bros. & Co.

MONTREAL

TORONTO: No. 87 York St.

OTTAWA: No. 54 Queen St.

HENRY ROGERS, SONS & CO.,

SHEFFIELD, ENGLAND

Manufacturers of the celebrated



"UNION JACK" COLD SHEETS

HOOP IRON

BARB and PLAIN WIRE

Canadian Office:

6 ST. SACRAMENT ST., MONTREAL

F. A. YORK, Manager.



WRIGHT'S Insect Sprayers

PLAIN TIN,
LACQUERED,
ALL BRASS.

"BEST ON EARTH."

Manufactured by

E. T. WRIGHT & CO.

HAMILTON, ONT., and
MONTREAL, QUE.

J. H. Hanson, Agent, Montreal.

KNOX HENRY

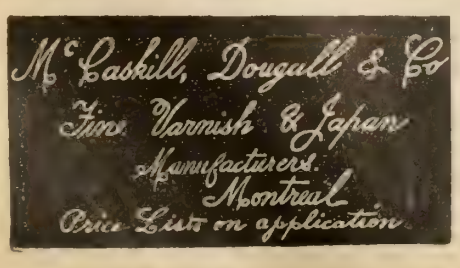
Heavy Hardware and Metal Broker
Room 32, Canada Life Bldg., MONTREAL.



Samples sent free on application.

HORSE NAILS—"C" Brand Horse - Nails
Canada Horse Nail Co.

"BRASSITE" GOODS — Gunn Castor Co
Limited, Birmingham, Eng.



THE PAPERS ARE TELLING

about the great advantages of CHURCH'S COLD WATER

ALABASTINE

For tinting and decorating walls and ceilings. In other words, we are doing a lot of general newspaper advertising.

ALABASTINE is the acknowledged standard wall-coating

THE WORLD OVER

Because it is **PERMANENT,** Easily Applied and **SELLS ON ITS OWN MERITS.** Is it worth while to spend time trying to sell worthless imitations that have no record of value or proof of origin?

ALABASTINE is made in Canada, by Canadian labor, and from rock taken out of Canadian mines. See that your assortment is complete.

The jobber who sells it, the dealer who buys,
The painter and decorator, the people likewise
Proclaim "For the walls of a cottage, to the palace of a queen,
"There is nothing so suitable as ALABASTINE."

ALABASTINE is for sale by Wholesale Hardware and Paint Dealers. Manufactured by

THE ALABASTINE CO., LIMITED, PARIS, ONT.

STEVENS SINGLE BARREL SHOT GUN.

LATEST AND BEST SINGLE GUN ON THE MARKET.



MADE IN THREE STYLES THREE GAUGES UP-TO-DATE.

FINEST SINGLE GUN YET PRODUCED.

Our Goods are Handled by the Leading Jobbers.

J. Stevens Arms & Tool Co., P.O. Box 217 **Chicopee Falls, Mass., U.S.A.**

THE INDEPENDENT CORDAGE CO., Limited,

TORONTO.

Highest Award Pan-American Exposition

MANUFACTURERS OF ALL KINDS OF

SISAL MANILA **ROPE,** Lath Yarn, Shingle Yarn, Hide Cord, **BINDER TWINE** Pulp Cord, Clothes Lines.

Transmission Rope a specialty.

STANLEY RULE & LEVEL CO.,

NEW BRITAIN, CONN., U.S.A.

IMPROVED CARPENTERS' TOOLS

SOLD BY ALL HARDWARE DEALERS.

H. & R. SINGLE GUN AUTOMATIC AND NON-EJECTING.

12 and 16 Gauges.
Steel and Twist Barrels.

Superior in Design, Workmanship and Finish, and the most popular Gun on the Market.

Simplest "Take Down" Gun Made.



HARRINGTON & RICHARDSON ARMS CO.
Also makers of H. & R. Revolvers,
Catalog on request. Worcester, Mass., U.S.A.

Patent Office Library MAR 19 1902

WINDOW GLASS—TO IMPORT.

Prompt Deliveries

EVERY KIND OF PLATE AND WINDOW GLASS IN STOCK.

BENT GLASS of all kinds, our own manufacture. **Closest Prices.**

TORONTO PLATE GLASS IMPORTING CO.,

Hill & Rutherford

Warerooms and Offices—135 to 143 Victoria St.
Bending Works—209 to 213 Victoria St.

TORONTO

USE PHOSPHORINE ANTI-FRICTION METAL

It is the new discovery. Ask for particulars.

It is the only Anti-Friction Metal known to be chemically pure.



For Paper and Pulp Mills, Saw and Wood Working Machinery, Cotton and Silk Mills, Dynamos, Marine Engines, and all kinds of Machinery Bearings.

Wire, Triangular and Bar Solder, Pig Tin, Lead, Ingot Copper, Ingot Brass, Antimony, Aluminum, Bismuth, Zinc Spelter, Phosphor Tin, Phosphor Bronze, Nickle, etc., always in stock.

CANADIAN WORKS, MONTREAL, P.Q.
AMERICAN " SYRACUSE, N.Y.

Syracuse Smelting Works

DAVID MAXWELL & SONS

ST. MARYS, ONT., CANADA.



Steel Frame Churn.

"Maxwell Favorite Churn"

PATENTED FEATURES: Improved Steel Stand, Roller Bearings, and Foot and Hand Lever Drive, and Detachable Driving Link. Improved for season of 1902. Steel or Wood Frame as desired.

Lawn Mowers. High and Low Wheels, from 12 in. to 20-in. widths. Cold Rolled Steel Shafting, Crucible Steel Knives and Cutting Plate.

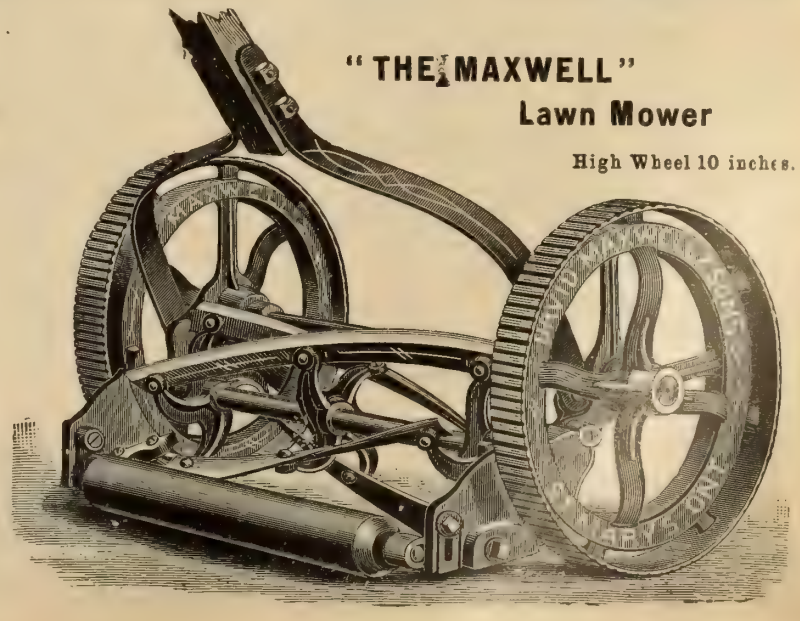
Wheelbarrows. In Four different Sizes.

If your Wholesale House does not offer you these articles

SEND DIRECT TO US.

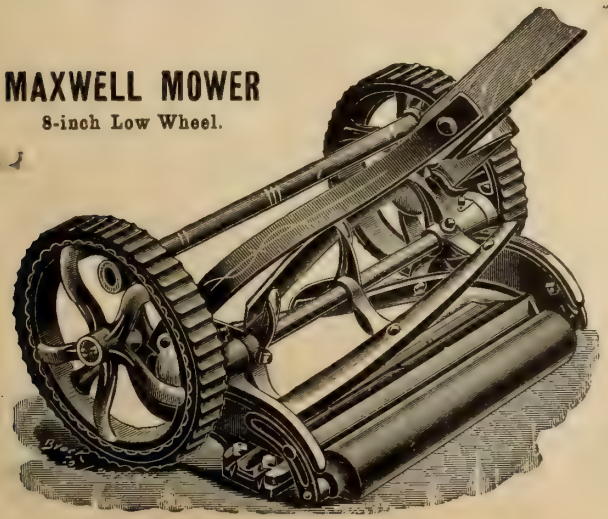
"THE MAXWELL" Lawn Mower

High Wheel 10 inches.



MAXWELL MOWER

8-inch Low Wheel.



The Best Selling Range Ever Made.

Popular with dealers in every part of the country because it is so enthusiastically praised by every buyer.

Our Imperial Oxford

has won its laurels—it is the favorite range of Canada—widely advertised and everywhere appreciated for its practical superiority.

Are you familiar with its
Diffusive Flue Construction
Front Draw-Out Grate
Draw-Out Oven Rack
and other talking points



If there's any range business in your locality you'll get it by handling the Imperial Oxford. Fullest details if you write

THE GURNEY FOUNDRY CO., Limited

TORONTO. WINNIPEG. VANCOUVER.

THE GURNEY-MASSEY CO., LIMITED, MONTREAL.



Australasian Hardware and Machinery.

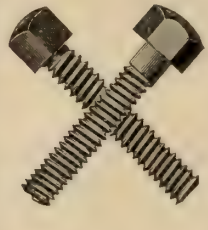
The Organ of the Hardware, Machinery and Kindred trades of the Antipodes.

SUBSCRIPTION $1.25 PER ANNUM,

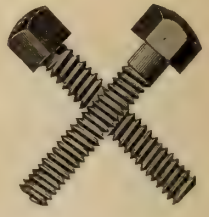
post free to any part of the world.

PUBLISHING OFFICES:
Melbourne - Fink's Buildings.
Sydney, - - - Post Office Chambers.
AMERICAN OFFICES:
New York, - Park Row Building.
BRITISH OFFICES:
London, - - - 42 Cannon St., E.C.

Specimen Copies on application.



Cap and Set Screws



CANADA FOUNDRY COMPANY.

LIMITED.

MACHINE SCREW DEPARTMENT

HEAD OFFICE: TORONTO, ONT.

MANUFACTURERS OF

Cap and Set Screws, Machine Screws,

Studs, Coupling Bolts,

Special Milled Work, etc.

SEND FOR PRICE LIST NO. 1001



COLD PRESSED
Square and Hexagon
NUTS



THE OSHAWA WIRE FENCE CO., LIMITED

OSHAWA, ONT.

Manufacturers of Woven Wire Fencing, Gates, Etc.

Also Dealers in Galvanized Fence Wire.

Agents Wanted.

Send for Catalogue and Prices.

The Grey and Bruce Portland Cement Company of Shallow Lake, Limited,

Manufacturers of

"HERCULES" BRAND OF

Portland Cement

Unsurpassed for Sidewalks, Floors, and all work requiring the Highest Grade of Portland Cement.

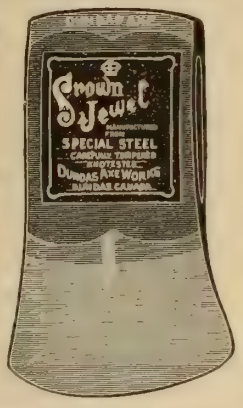
HEAD OFFICE: OWEN SOUND.



There are twelve Axes that sell well in every dozen of

DUNDAS AXES

Wait for travellers with samples before placing your orders.

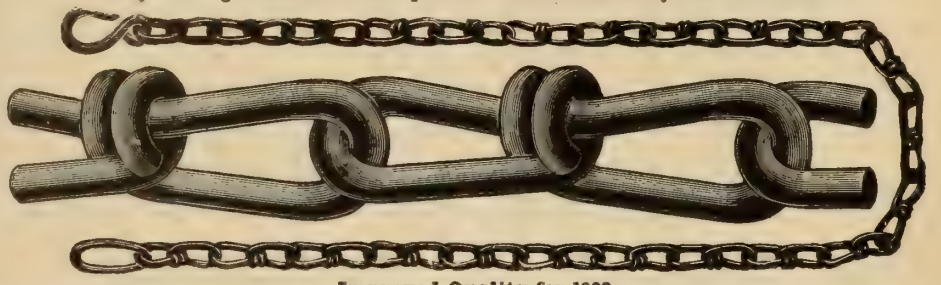


Dundas Axe Works, Dundas, Ont.

W. L. Haldimand, Jr., Montreal, Agent.

IMPROVED STEEL WIRE TRACE CHAINS.

Every chain guaranteed. Most profitable and satisfactory chain to handle.



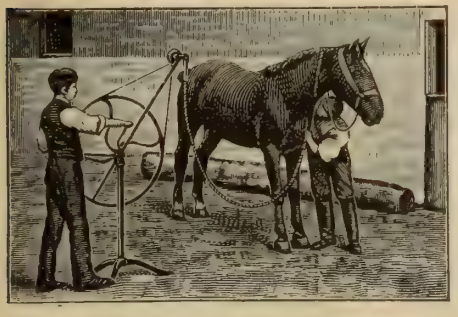
Improved Quality for 1902.

THE B. GREENING WIRE CO., LIMITED

HAMILTON, ONT., AND MONTREAL, QUE.

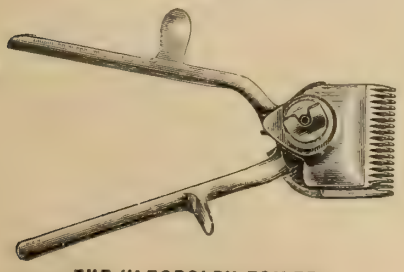
BURMAN & SONS' CELEBRATED CLIPPERS

Established 1871. BIRMINGHAM, ENG. for Horsemen and Barbers.



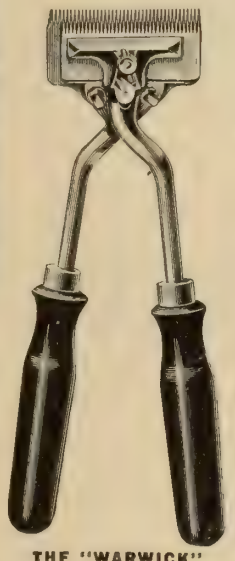
NO. 3—POWER CLIPPER, with "Wrist Joint."

As supplied to { The Czar of Russia. The King of Denmark. Earl Roberts, Etc., Etc.



THE "LEOPOLD" TOILET.

NO. 297.



THE "WARWICK" CLIPPER.

Cuts over three teeth.

As supplied to His Majesty's War Department.

SEND FOR PRICE LIST AND TERMS.

To be obtained from all the principal Jobbers throughout the Dominion.

What do you require in the way of

CANS?

We manufacture the very best quality of

Paint and Color Cans, round and square.
Varnish and Oil Cans. Paint Irons.
Paint Packages. Lye Tins.

and every description of Tin or Can required by the trade. We shall be pleased to send you quotations for anything you need in our line.

The Acme Can Works,

OFFICE AND FACTORY:

Ontario St. and Jeanne D'Arc Ave.,

MONTREAL.

JAS. B. CAMPBELL. WILLIAM PRATT.

Locks and Builders' Hardware.

We have a most complete line of all these goods, including the very newest ideas in

Bronze and Brass Knobs, Door Sets and Escutcheons.

LOCKS AND LATCHES OF ALL KINDS.

Any dealer asking for a catalogue will be sent full prices, discount sheets, etc., etc. Drop a card.

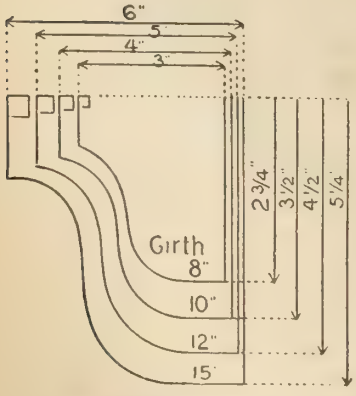
ESTABLISHED 1843. INCORPORATED 1893.

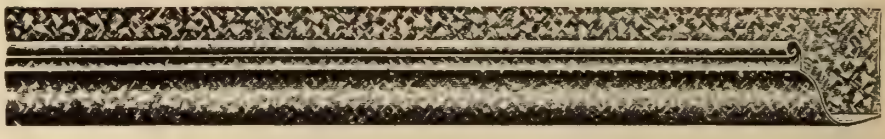
THE Gurney-Tilden Co., LIMITED

Hamilton, Toronto, Montreal.

AGENCIES :—SAINT JOHN, N. B., VANCOUVER, B C.

HOW IS YOUR STOCK OF TROUGH?







We can supply you with all styles and sizes. **O. G.** (Round and Square Bead), and **Half-Round Patterns.** Made in 8 and 10 ft. lengths.

Conductor Pipe, Plain and Corrugated. **Conductor Pipe, Elbows, Shoes, Hooks** and **Gutter Spikes.** In fact, everything a tinner needs.

Galvanized Sheet Iron from stock or import. "Queen's Head," "Fleur de Lis" and "Apollo" brands. We will be pleased to quote you.

PROMPT shipment a specialty.

KEMP MANUFACTURING CO'Y, - - Toronto, Canada.

HARDWARE AND METAL

VOL. XIV. MONTREAL AND TORONTO, MARCH 8, 1902. NO. 10.

President:
JOHN BAYNE MacLEAN,
Montreal.

The MacLean Publishing Co.
Limited

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P.E. Island and Newfoundland.

OFFICES.

MONTREAL - - - - 232 McGill Street. Telephone 1255.
TORONTO - - - 10 Front Street East. Telephone 2701.
LONDON, ENG. - - 109 Fleet Street, E.C. W. H, Miln.
MANCHESTER, ENG. - - 18 St. Ann Street. H S. Ashburner.
WINNIPEG - - - Western Canada Block. J. J. Roberts.
VANCOUVER, B.C. - - - Flack Block. J. A. Macdonald.
ST. JOHN, N.B. - - No. 3 Market Wharf. J. Hunter White.
NEW YORK - Room 442 New York Life Bldg.

Subscription, Canada and United States, $2.00.
Great Britain and elsewhere - - 12s.

Published every Saturday.

Cable Address { Adscript, London. / Adscript, Canada.

WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

THE SPRING TRADE IN HARDWARE.

MARCH has opened up well in the wholesale hardware trade. During the past week business has received quite a stimulus, and while the various wholesale houses are busy shipping goods out by one door they are busy taking in goods for stock at another.

There is every indication that the spring trade of 1902 will be one of marked activity; and, in fact, more so than is usual.

The season is opening up rather early, and country dealers are, in consequence, pressing for the delivery of goods previously ordered.

While speculative buying is to be deprecated, it would seem to be a wise policy for hardware dealers to keep their stocks well assorted. Not only are prices, as a rule, likely to be maintained, but there is the difficulty of getting prompt shipment to be borne in mind.

The tendency of prices in iron and steel is still upward. Within the last few days the price of both steel bars and bar iron has been advanced $2 per ton. Pig iron is about 50c. dearer than it was two weeks ago and $2.50 dearer than it was a year ago.

Wireless telegraphy and wireless telephones are all right, but what is still more desirable are elections without wire-pulling.

ANNEXING THE UNITED STATES.

An immigration agent of the Dominion Government estimates that 75,000 people from the Northern and Western States of the American Union will settle in the Canadian Northwest during 1902.

What with United States capital and United States people that are being attracted to Canada, we are evidently on a fair way to annex the territory of the neighboring Republic. But we hope before this is consummated our cousins will have finished their campaign in the Philippines. While we are not very positive about it, we expect to have the Boer War settled by that time.

A STIFF BACKBONE.

Iron is said to be the backbone of trade. If this be true, the backbone is just now a pretty stiff one.

BUSINESS MEN AND POLITICAL CORRUPTION.

Corruption at elections is a grave social disorder and is the canker and the disgrace of a free people. It is a thing which affects and is a danger to the good and efficient administration of the affairs of a country.

THE words given in the above paragraph are from the address of Judge Wurtele when charging the grand jury in Montreal a few days ago. They are strong words, but they are true words, and what, unfortunately, is equally true, there is a reason for their utterance.

A generation ago men, actuated by party zeal, stood at the polling booths and by physical force prevented their political opponents from registering their vote. But disgraceful as these practices were they were not nearly as heinous as the practices which are resorted to to-day in order to prevent the expression of the popular will at the polls.

The bribery that is practised in elections is the least of the methods employed. It is the official who stuffs the ballot box and manipulates the ballot after it has been cast whose practices are the most reprehensible.

While it is quite true that the law is neither as effective nor as drastic as it might be, it possesses a great deal more utility for the punishment of the corrupt than the politicians are disposed to call into operation.

The law, however, should be made both more effective and more drastic. None should be more concerned in bringing this about than the business men of the country, for good government, whether it be in the municipality, the Province or the Dominion, means a great deal to them.

CANADA AND THE TRADE OF JAPAN.

JAPAN, the country which during the past few weeks has been so much in the public eye on account of the treaty which has recently been arranged between her and Great Britain, did a foreign trade of about $244,000,000 in 1900. Of this, $101,500,000 was exports, and $142,500,000 imports. The aggregate foreign trade of Japan is about where that of Canada was eight or ten years ago.

The best customer for Japanese products is the United States, 26 per cent. going to that country. Hong Kong comes next with 19¼ per cent. The percentage which goes to China is 15½, to the United Kingdom 5½, to India 4¼, to Germany 1¾, and to all other countries 18¼.

Japan buys more from the United Kingdom than from any other country, of her total imports 25 per cent. being from that country. The United States furnishes 22 per cent., China 10½, Germany 10¼, India 8¼, France 2¾, and other countries 21¼ per cent.

The chief imports of Japan are as follows, being in the gold yen, worth in Canadian currency 99.7c. :

	Gold yen.
Machinery	6,150,000
Provisions	9,470,000
Books and stationery	5,470,000
Drugs, medicines, chemicals	7,161,000
Dyes and paints	7,322,000
Grain and seeds	15,545,000
Metals and manufactures of	37,667,000
Oil and wax	15,914,000
Sugar	26,692,000
Textiles, fabrics, yarns	115,458,000

In contributing to Japan's import trade, Canada does but little. Last year, it is true, we did better than usual. But even then the total export trade with that country only aggregated $188,683. In 1900 it was $112,308; 1899, $135,265; 1898, $148,728. The amount of money expended last year in subsidies on the C.P.R. steamships running to Japan and China was $73,000.

Our chief items of export to Japan during the last three years were as follows :

CANADIAN EXPORTS TO JAPAN.

	1899.	1900.	1901.
Flour	$	$ 6,434	$ 8,410
Carriages, bicycles, etc.	130	3,021	17,696
Coal	40	11,653	8,298
Cotton and manufactures of	6,430	6,320	13,117
Fish and fish products	40,270	47,773	97,085
Provisions	2,458	3,049	1,909
Sugar	42,535	....	....
Wood and manfactures of	36,819	21,946	30,471
Metals and manufactures of	....	1,462	5,075
Leather and manufactures of	2,762	7,519	12

At present our trade with Japan is somewhat one-sided, for, while we sell, according to the figures for 1901, only $188,683 worth of goods to that country, our purchases therefrom are $1,620,868. In other words, our exports to Japan are scarcely 10½ per cent. of our agregate trade with that country.

Although our export trade with Japan is at present so small, there is nothing discouraging in the possibility of increasing it. What is wanted is enteprise on our part.

REBATES ON WHITE LEAD.

Just as we go to press we are advised of a change in the special discounts to the retailer in white leads ground in oil.

It seems that there has been considerable competition by those outside the White Lead Grinders' Association for the white lead trade, which has led to the outsiders selling their leads at lower prices than those adopted by the Association. On account of this, at a meeting of the Association on March 6, it was decided to give a rebate of 5 per cent. on 1-ton lots of white lead, 7½ per cent. on 5-ton lots and 10 per cent. on 15-ton lots, besides an additional rebate of 2½ per cent. on 5 and 10 ton lots to those dealers who exclusively sell the Association's white leads.

Previous to this, the rebates were 5 per cent. for 5-ton lots and 7½ per cent. for 15 tons.

ANNUAL MEETING OF HARNESS-MAKERS.

THE third annual meeting of the Harnessmakers' Association of Ontario was held in the Confederation Life Building, Toronto, on March 4 and 5, when delegates to the number of 100, from all parts of the Province, were present. One of the principal propositions before the assembly was that of affiliation with the Retail Merchants' Association of Canada, which was referred to a committee to investigate and report.

Another subject of considerable importance was the problem of how the wholesale dealer could be prevented from selling direct to the consumer, a long-standing evil which many unsuccessful attempts had been made to overcome. Last year, this question had been left over to the executive committee to deal with, and the members of the Association were urged to confine their patronage only to those who sold to the trade exclusively.

An effort will be made to induce the business men to adopt a uniform system for cutting leather. At present, nearly every firm has a scale of its own.

Another thing that will probably be done is the adoption of a uniform list of prices for harness. In numerous cases they claim that they have actually been selling things at less than cost price, and they hold that it is time for a change.

On the evening of the last day the members of the Association were the guests of the wholesale merchants and manufacturers at a banquet in the Temple building. C. J. Miller was in the chair, and everything passed off happily.

The election of officers resulted as follows :

President—C. Kelly, Uxbridge, reelected.
First Vice-President, J. Broderick, Mitchell.
Second Vice-President, H. Dennis, Chatham.
Third Vice-President, T. H. McKee, Stirling.
Fourth Vice-President, E. Kirkpatrick, Toronto.
Treasurer—J. Finlayson, Hamilton.
Secretary—Alexander Downey, Toronto.
Auditors—James Pease, A. H. Daville and W. J. Micks.

TOURISTS IN NEW BRUNSWICK.

AS a result of being interviewed on February 28 by a deputation from the St. John, N.B., Tourist Association, the treasury board of that city have asked the council for a grant of $750 towards the work of that organization.

It was pointed out by Mr. D. J. McLaughlin that the association was doing more work every season. It was shown that last year between $8,000,000 and $10,000,000 was realized from tourist travel by the State of Maine alone, and that every year saw more visitors going to Nova Scotia. They wanted travel to increase likewise in New Brunswick.

Mr. W. S. Fisher explained that the association contemplated publishing 50,000 booklets, instead of the 25,000 they issued last year. He also stated that $1,000 was contributed by the Government last year, $500 by the city of St. John, $1,300 by private citizens and $300 in subscriptions to the band-concert fund. This made a total of $3,100.

It was estimated that $200 was spent for every moose killed by the hunters who went to New Brunswick last season.

After the deputation withdrew, the board recommended that a grant of $750 be made by the city.

TRADE IN COUNTRIES OTHER THAN OUR OWN

NEW YORK METAL MARKET.

IRON AND STEEL.- Although accord burgh this morning the floods having to telegrams received from Pitts subsided and mills and furnaces are starting up again, some time must elapse before normal conditions can be resumed. In the meantime the further retarding of deliveries by the interruption and congestion of railroad traffic is adding to the troubles of consumers who are in immediate need of supplies but can get no relief from sellers. As a consequence spot business is almost suspended, but in futures transactions continue on a very satisfactory scale. In pig iron a number of good-sized contracts in Southern foundry for delivery during the last half of the year have been closed at full prices. Advices from Philadelphia state that a little No. 2 X foundry pig might possibly be picked up at $18.50, but that at least in one case $20 was asked for March shipments. A great deal of iron is being sold for delivery during the last three or four months of the year, this report says, but so much is being taken that the companies are beginning to pick their trade, although they still express confidence in their ability to furnish all the iron that will be required for consumption. Since it became apparent to buyers that there is no fear of a famine in iron interest in imports of English metal has disappeared, with the result that prices on the other side are again receding: the decline amounting to 1s. 9d. within a week. Prior to that time the indications pointed to a boom on the other side.

TINPLATE. Nothing new was presented in this department. The market is rather quiet, but prices are maintained.

The firm tone of the market for spot tin was accentuated somewhat by the stronger tenor of advices from London, where prices at the close showed a gain of 15s. over those of last night, so far as spot was concerned, and an advance of £1 in futures. Business in the former, on the English market was considerably larger than for several days, while the latter were comparatively neglected. There was nothing of consequence done here today. Buyers raised their bids to 25.60c., while holders wanted 25.70c. for spot. There was very little interest in futures, the only reported business being a sale of five tons for April delivery at 24.75c. The bid and asked prices at the close were 25 @ 25.40c. for March; 24.70 @ 24.75c. for April, and 24.25 @ 24.75c. for May. It is reported that the Arcara is discharging her cargo into lighters. The Minnehaha, from London, is landing 90 tons, and the Amsterdam, from Rotterdam, 30 tons, making the arrivals for the month to date, not including the Acara's tin, 560 tons.

COPPER.—The market here remains dull and weak notwithstanding the bid price on Lake was raised an eighth of a cent. There was no business reported and the market closed at 12⅛ to 12¼c. for Lake and 12 @ 12⅜c. for either electrolytic or casting. In London the tone was firmer and 12s. 6d. of yesterday's decline in spot was recovered, while futures advanced 15s. over last night's closing figures.

PIG LEAD.—The market was quiet and unchanged at 4.10 @ 4.15c., as to quantity and date of delivery. St. Louis also was quiet at 4.05c. There was no further change in London.

SPELTER. Nothing new was presented in connection with this metal. A steady feeling prevails, though there is little demand. We continue to quote 4.25 @ 4.30c. In St. Louis the market was easier under free offerings at 4.10c. London was unchanged.

REGULUS ANTIMONY.—Trade is slow, but the market remains steady at 10¼c. for Cookson's; 8c. for Hallett's, and 7½c. for other brands.

OLD METALS. The market was dull and somewhat easier.—N. Y. Journal of Commerce, March 5.

BRITISH TINPLATE MARKET.

The market continues strong and higher prices have had to be paid this week, Business has been done well into the third quarter of the year, and some works seem to have no spare room till August. Prompt plates are in good demand at full prices, with the exception of oil sizes, and these are comparatively quiet at the moment. Wasters show a further appreciation, especially for March delivery.—Iron and Steel Trades' Journal, February 22.

The market generally keeps very firm. There has been a good deal of inquiry during the week, but owing to the high prices asked by makers business has been limited. Common 14 by 20, 112 sheets, 108 lb. Bessemer cokes are held for quick delivery at 13s. 3d. and 13s. 4½d. per box f.o.b. Wales, and some transactions have taken place at the former figure. For March and March—April delivery works quote generally 13s. 1½d. to 13s. 6d. per box, Siemens steel, 1½d. to 3d. per box extra f.o.b. Wales.—Iron and Coal Trades' Review, February 21.

MANUFACTURED IRON AND STEEL IN ENGLAND.

The report to hand from the various centres regarding the present condition and the prospects of the market for finished materials are not, on the whole, of a less favorable character. The current booking is somewhat heavier generally, although in some districts the improvement is not very apparent. There is a feeling, however, that we are on the eve of an expansion in the demand, which will result in a good spring trade The few small advances that have taken place, coupled with the increased firmness of prices in some branches of the trade, have apparently led many consumers to believe that a move is imminent, and accordingly several new orders have been placed at once before a possible rise. In Sheffield the heavier departments are rather quiet, but when the expected Admiralty work is given out we may expect to see a decided improvement. The bar trade is good and prices are well maintained, especially in South Staffordshire, where, as we briefly announced in our telegram last week, quotations for black sheets, trunk sheets, and tinplates, have been advanced.—Iron and Coal Trades' Review, February 21.

PIG IRON IN GREAT BRITAIN.

On Monday the Glasgow market for Scotch pig-iron warrants was excited by highly-colored reports of large inquiries and orders from America, and at the close of the day the price was 53s. 5½d., an advance of 2s. since Friday. On Tuesday business was again active, and the market closed with buyers at 53s. 7d., sellers, 53s. 10d. cash. On Wednesday morning, apparently, a large number of small speculators were taking quick profits, and the market went back a little, but was steadier in the afternoon, closing 53s. 5d. Yesterday, buyers again predominated, and the market closed with buyers at 53s. 9½d. cash. To-day the market closed at 53s. 2½d. cash buyers. Quotations for makers' iron are advanced from 1 to 2s. per ton. A small quantity of iron has gone out of Connals' stores, reducing the total to 54,800 tons.—Iron and Steel Trades' Journal, February 22.

In its issue of February 22 The London Ironmonger has the following: "The animation that marked proceedings on the Glasgow pig iron warrant market during the past week exceeded anything that has been seen for years. Big lines of all classes of warrants changed hands; on more than one day as much as 60,000 tons were dealt in, and that though prices were firm and advancing. The stir and strength have been derived from the bullish advices, public and private, received from America as to the activity and buoyancy of the steel and iron trades there. These have been accompanied by orders for Scotch warrants and inquiries for Cleveland and hematite, and that fact has no doubt gone a long way to emphasize the favorable impression created in speculative circles by the trade reports referred to. Doubt exists as to whether

the purchases of Scotch warrants were on legitimate account, not a few experts being of the opinion that they were mere gambling operations and did not forecast the early placing of legitimate orders on this side. Already some Cleveland iron has been sold for shipment to New York, 50,000 tons of Cleveland gray forge are said to be wanted for Philadelphia, and 60,000 tons of steel billets are inquired for in the Glasgow market for the same destination.

THE AXE TRADE IN THE STATES.

The past week was an active one in the axe market, as the representatives of the various factories were entering the field and making known to the trade the new prices adopted by the associated manufacturers. As a rule, there is a general disposition to regard the prices as reasonable, and complaints in regard to the extent of the advances are few. The policy of the manufacturers to discourage the sale of low-grade axes, as well as their action in making the prices of the various brands uniform, meets with little criticism from the trade at large. As the result of the existing agreement the market is certainly in a much more even condition than for a long time, and if the jobbers are conservative and reasonable in accepting and maintaining the new prices there should be for them as well as for the trade generally, a large and profitable business. On the basis of the prices determined by the manufacturers, the following are about the figures at which the retail trade should be able to purchase the goods :

	Per doz.
Standard factory brands	$6.00
Jobbers' special brands	5.75
Second quality	$5.00 to 5 25

The jobbing trade are beginning to place their orders, and the indications are said to be favorable for an excellent business.—Iron Age.

BAR IRON HIGHER IN THE STATES.

At a meeting of The Eastern Bar Iron Association, held at the Waldorf-Astoria, New York, a few days ago, it was decided to advance prices $2 a ton. What has been primarily instrumental in leading up to this move is the scarcity of pig iron, together with the recent rise in the same. The last previous advance made by the Bar Iron Association was about six weeks ago.

MANILA ROPE HIGHER IN THE STATES.

Manufacturers have advanced the price of Manila rope to 13½c. per lb., on the basis of 7-16-in. and larger. Some makers are quoting sisal rope, on the same basis, at 10c., while others are holding it at 9½c. In large lots, ¼c. per lb. rebate is allowed. Demand for rope continues moderate.—Iron Age.

HARDWARE STORE WINDOW DISPLAY.

By B. Seebe.

I HAVE always wondered why it is that the dry-goods merchants take so much pains and spend so much money for elegant displays in their show windows, while the majority of the hardware merchants neglect it entirely or arrange their goods in a careless and tasteless way. I have even heard several of them remark that they felt sorry for having show windows at all, and that they preferred only doors. They do not know or believe that by a fine display of their goods they have the cheapest advertising medium existing. It would attract the attention of the people passing by, not the regular customers of their business. They would be led thereby to step into the store, and will by the aid of a good salesman only leave the same after having purchased some articles which they never intended to buy, at least not on that particular day. This is my experience. I have afways made it a point to watch the people attracted by our display. After having examined nearly every article, they finally step inside and always make some purchases. This was solely caused by the display in the window.

CHIEF CAUSE OF NEGLECTED WINDOWS.

The frequent neglect of window displays is, in my opinion, mainly the fault of the proprietor himself in not giving his clerk the necessary time and some means to make a creditable display. He thinks a large window can be fixed up in 15 minutes, and does not take into consideration that it requires an amount of thought and labor to make even the preparations for the same, such as fitting the bunting for the decoration of the background, ceiling and sides, going over the stock, selecting the proper articles and arranging them in groups. If he would take the little trouble to watch the effect of a real nice window display on the people passing by, and see how many are induced to step inside, I believe he would be more willing to appropriate funds, and give time to a clerk who takes an interest in such work. He would be cured of the erroneous idea that every customer who comes to the store has left his or her home solely for the purpose of going to this hardwareman's store to buy some certain articles, when, in fact, the passing trade, not the regular customers, are in nine cases out of ten invited by the attractive display.

STUDY REQUIRED.

The clerk whose duty it is to decorate the windows must take a great deal of interest in his work, always thinking and studying about new displays. On the arrival of new goods his first thought should be how to use same to the best advantage in his next display. Any chance he has he should carefully look at all show windows, no matter in what line. Often he will find some new ideas which he, with probably a few changes, can use. He should study all descriptions, especially pictures of windows. He should not fail to receive all the encouragement, help and necessary time from his employer.

A PROPERTY ROOM SHOULD BE PROVIDED.

If a merchant wants his windows properly and regularly decorated, he first should provide for his man a suitable place or room in his store where the necessary preparations can be made, where all fixtures and buntings are nicely kept and conveniently arranged. Nearly all fixtures can be used over again. By having them always on hand a great deal of time and money can be saved.

BRIGHT-COLORED BUNTING.

In decorating a show window the first object should be to attract the attention of the people passing by, and nothing will do this better than bright colors. In the background, on the sides and ceiling harmonizing colors of bunting should always be used, arranged in various forms, either plain, in pleats or in rays. I always decorate the ceiling first with bunting, on which I arrange jack chains or other bright goods. This helps a great deal to catch the eye of the passers-by.

The colors of bunting I have found to show the different lines of hardware best are bright red, old gold, bright, deep blue, and, in some cases, white and black. With bright colors as an underground, and, if the man has a little taste, a nice display can be made with old scrap iron.

The floor of the show window should be covered with bunting of various colors with the goods arranged on the color best suited to the article. By changing the designs or the color of the bunting

WIRE NAILS
TACKS
WIRE

Prompt Shipments

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

an entirely different exhibit can be arranged of the same articles.

FIXTURES.

A great many fixtures and appurtenances can be used in building up a proper foundation for the display, such as round boards in different sizes, full, half to quarter circles, which are best made of soft wood; steps for background or corners; arches for which different sizes of rims can be used; stars, padlocks, horseshoes, and coats of arms. All these fixtures, nicely trimmed with bunting, with the different articles tastefully arranged thereon and used for background and side decorations, will make a good impression.

MECHANICAL APPLIANCES FOR MIRRORS.

If the proprietor is generous enough to allow the necessary funds for mechanical appliances, something movable placed in the window with a liberal distribution of electric lights set in different colors, as the occasion demands, will greatly heighten the effect. The window in a hardware store, with its large variety of bright and shining articles, can be made brilliant and dazzling. A very fine effect can also be had with looking-glasses set either straight or at proper angles, but the same ought to be at least two feet high; also concave and convex mirrors, placed in proper positions, will draw crowds to the window.

A STOVE AND KITCHEN GOODS DISPLAY.

We have in our store two large show windows each with glass on two sides and entirely closed up in the back. I always use one window for a special display, as, for instance, a steel or cast range, or some other cook stove, with kitchen and household goods. This is a display which interests the ladies, and the best way to arrange these goods is to show a model kitchen with shelves in the background and on the sides, trimmed with shelf paper and filled with kitchen and stove utensils of every description. The other places are filled with woodenware, which, if nicely arranged on a good background, will make a very fine display. The floor in front of the stove can be used for nicely arranged groups of table cutlery, spoons, carving sets, and other articles used in a kitchen. The stove should be regularly set up with stovepipe, elbows, ring, etc.; the pipe should run into a flue. A long box or pick-handle crate lined with red bunting and marked with chalk or white lead, to represent bricks, will answer for this. Sometimes I use little brownies properly dressed up in these displays; one dressed as a cook on top of the stove with a large basting spoon; another carrying wood; one or two trying to steal a roasted goose, made of paper, out of the oven. All such little tricks help to make a window attractive. If a wax figure can be secured, dressed as a cook, and placed near the stove, it will also greatly improve the display.

TOOL WINDOWS.

A blacksmith and wheelwright display should be made on the same plan, to imitate as much as possible a blacksmith shop, with a wax figure properly dressed as a blacksmith, standing either at the forge or at the anvil. The background or sides can be decorated with rims, single or double trees, dash boards, buggy bows, and the ceiling with trace chains, etc.

The same plan is to be followed in showing carpenters' tools and builders' hardware. A carpenter's shop should be fixed up for such a display, with dummies representing carpenters in the execution of their several jobs. I believe it is best to use wax figures, as figures built out of articles in the store look clumsy and unnatural. During the time of the war I had a warship in the window, a description of which is hardly necessary, as it has too often been described, and with probably few changes one has been like the other. It is the same with the railroad train. The chief aim in these displays is to make them as natural as possible.

RAILROAD TRAIN IN THE WINDOW.

When I had the railroad train in the window I used an empty whip box for the foundation of the embankment; throwing gravel on top of the box, I let it slowly roll down and by this I got the finest gravel embankment. The vacant space in front of same I used for garden plots, as seen at nearly all the depots, by building little flower beds of ox balls, picture nails, etc. The smoke I made as natural as possible by using carded cotton colored with black lead and attached same with small hair wire to the telegraph wire made of wash lines. This produced a fine and natural effect and improved the display considerably.

SPECIAL AND STRIKING DISPLAYS ADVERTISE.

Now all these special and original displays form, without doubt, a very fine advertising medium even if they do not effect such ready and quick sales as other displays, but they surely advertise the store, as the following will prove: One of our drummers came back from a trip of several weeks' duration and the first question was, "Where was that warship that he had heard the people talk so much about?" He told me that people in places from 70 to 100 miles away talked about it and advised their friends not to fail to look at it in case they came here, thereby proving that this special display did a great deal of advertising at a very low cost.

GENERAL DISPLAYS IN OTHER WINDOWS.

The other window I use for a general display of goods, such as small mechanics' tools, paints, enamels, ammunition, guns, pistols, specialties, etc., and these are the displays that bring in the quickest returns in cash sales. A great many varieties of goods can be shown in one window, but they should be arranged in groups, all varieties as much as possible together. Seasonable goods should always be shown at the proper time, and should be left in the window for some time, or as long as they are in demand. —Iron Age.

The Best Time

to put your paint business on the right footing is at the beginning of the busy season.

It pays to start early to push

THE SHERWIN-WILLIAMS PAINT

It pays to be ahead of the "other fellows."

There's no other paint can do so much to place you at the top. We give you methods and advertising material that put you there, backed up by paint quality that holds the position for you.

If you're out for business this year go after it with

The Sherwin-Williams Paint and
The Sherwin-Williams Methods.



THE SHERWIN-WILLIAMS CO.

PAINT AND VARNISH MAKERS.

CHICAGO, NEW YORK, NEWARK, MONTREAL, CLEVELAND, BOSTON, TORONTO, SAN FRANCISCO. KANSAS CITY.



TWO WEST-INDIAN LETTERS.

MR. ROBERT MUNRO, president of the Canadian Manufacturers' Association, and Assistant-Secretary Stewart, who are on a trip to the West Indies to see what sort of opening there is there for Canadian trade, have written home two interesting letters on their observations.

They write their first letter from Bermuda. That colony has been enjoying general prosperity, and its imports are about $2,000,000 annually. Of this trade in 1900, $520,000 went to Great Britain, $1,250,000 to the United States and $155,000 to Canada. In the figures for 1901, which are about the same, the Dominion had the best of it in box material, sending 274,425 ft., as to 11,700 ft. from the United States. Of butter, the United States has the largest share of the trade, exporting to those islands 124 tons, as compared with 38 tons from Canada. The Bermudas import 51 tons of United States cheese and 30 tons of the Canadian product.

In flour the imports were 2,682 barrels from Canada, and 26,648 from the Republic. Canada has about half of their cattle feed imports, but her share of the canned goods trade is very small. The lumber trade of that colony with the United States in 1901 amounted to 2,813,663 feet, as compared with 464,970 feet with the Dominion. Importers desire to be placed in communication with Canadian mills for doors, sashes and building material. The best way to work up trade would be to have a resident general agent of ability, who might be paid by commission.

Mr. Stewart wrote the second letter from the Island of St. Lucia, where the condition of affairs are about the same.

The figures for 1901 include the following: Bacon and hams, United States, 23,480 lb.; Great Britain, 3,938 lb.; Canada, 429 lb. Beef and pork, salted, United States, 294,000 lbs.; Great Britain, 204 lb.; Canada, 411 lb. Biscuits, Great Britain, 11,784 lbs.; United States, 11,456 lb.; Canada, nil. Butter, United States, 4,112 lb.; Great Britain, 4,716 lb.; France, 6,000 lb.; Canada, 18,035 lb. Cheese, United States, 17,000 lb.; Great Britain, 382 lb.; Canada, 11,000 lbs. Flour, United States, 17,139 barrels; Canada, 92 barrels. Lumber, United States, 1,399,000 ft.; Canada, 64,000 ft.

It is pointed out that much could be done by Canada with a little effort to greatly increase trade in these lines, for these islands are anxious to trade with Great Britain and their sister colonies.

The quality of the cheese from Canada has not been always as good as it might be, although there has been a considerable increase in the quantity shipped. Up till now butter has usually been sent in tightly sealed tins, but one Canadian manufacturer is experimenting with the butter put up in glass fruit jars.

POUND FOR POUND

THE IVER JOHNSON TRUSS FRAME.

Is stronger than any Diamond frame ever made. That's why we can build it light.

It is a roadster at 21 lbs., and a racer at 20.

Agents report that it is their

"Star Attraction."

Be up-to-date, and ride an

Iver Johnson Truss Frame.



"Honest Cycles at Honest Prices."

(FRAME PATENTED.)

IVER JOHNSON'S ARMS & CYCLE WORKS,

New York Salesroom— 99 Chambers Street.

FITCHBURG, MASS., U.S.A.

You Haven't Time

for a long story about your business going to ruin if you don't handle THIS or THAT paint. YOU'LL GET ALONG with any good paint (and there are several), but you can't make a mistake, which is the first consideration, and you can make better margins, which is a close second, by handling

ZANZIBAR PAINTS.

Unequalled for strength of color, durability of gloss, length of service, weather and water proof qualities.

Did you receive our Pioneer Card?

The Zanzibar Paint Co. Limited.

TORONTO.

STANYON ENGINEERING CO.

402 McKINNON BUILDING,

Phone Main 2177. TORONTO

CONTRACTING AND CONSULTING ENGINEERS.

Steel Works, all kinds of Rolling Mills, Wire Mills, etc., all built complete. Machinery designed for any purpose

GENERAL OFFICES, - - PITTSBURG, Pa.



LONDON FENCE MACHINES

Are so light, durable and practical, and so easily and rapidly operated, that farmers cannot help seeing that they are unlike any of the big, clumsy and costly machines which have been on the market.

The LONDON builds the highest standard of coiled spring woven wire fence, and as it will more than pay for itself the first year, our machines find quick sales and fast friends.

The agency for the LONDON will pay the dealer, and never fails to draw custom and please the purchaser.

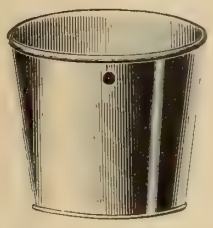
Our Spring Catalogue will be out shortly and a copy will be forwarded on request. Write for our trade prices on coiled spring wire.

THE LONDON FENCE MACHINE CO., Limited.

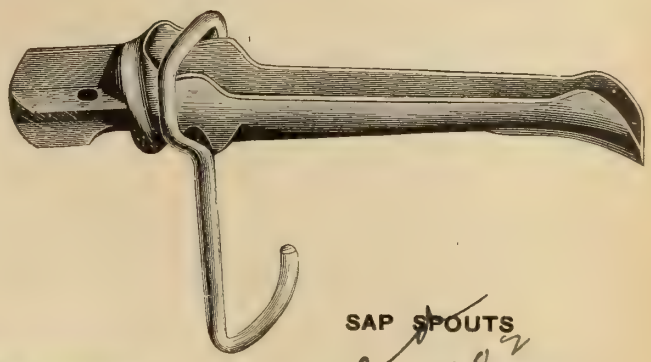
LONDON, ONTARIO.

H. S. HOWLAND, SONS & CO.

ONLY WHOLESALE — 37-39 West Front Street, **Toronto.** — WHOLESALE ONLY



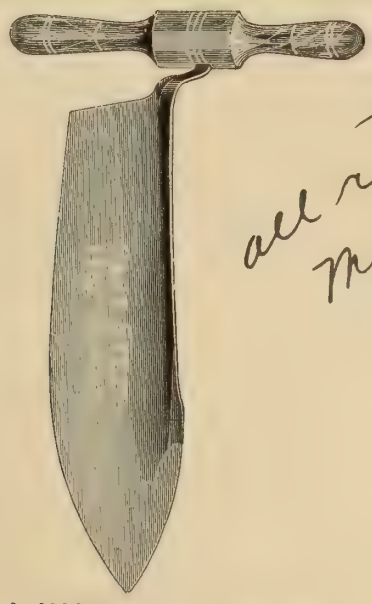
SAP BUCKETS



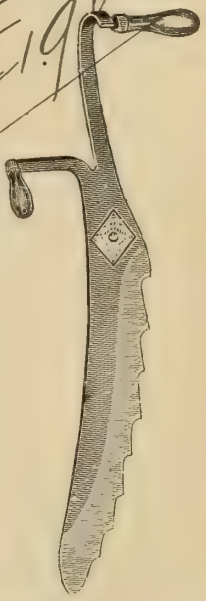
SAP SPOUTS



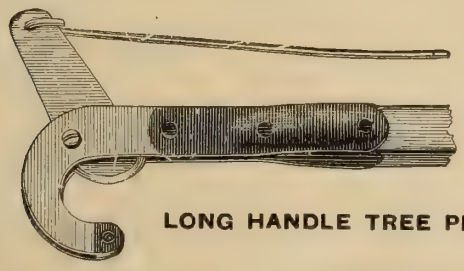
HEATH'S HAY KNIVES



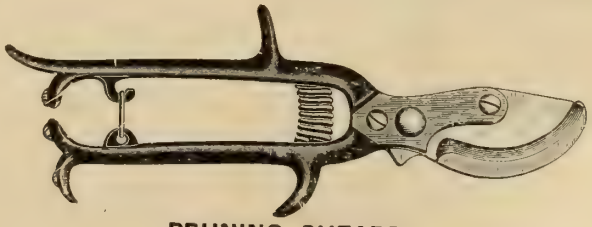
T and L HANDLE HAY KNIVES



"LIGHTNING and BARCLAY'S

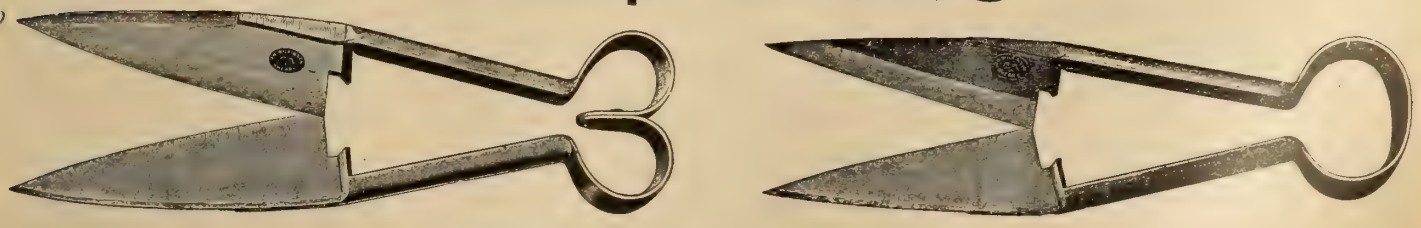


LONG HANDLE TREE PRUNERS



PRUNING SHEARS

Sheep Shears



For Fuller Particulars and Prices—Write Us.

H. S. HOWLAND, SONS & CO., Toronto.

OUR PRICES ARE RIGHT — Graham Nails are the very Best. — WE SHIP PROMPTLY

Factory: Dufferin Street, Toronto.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

J. A. BRUNET, general merchant, Moose Creek, Ont., is in financial difficulties, and a statement of his affairs is being prepared.

Archibald Strachan, hardware merchant, Kingston, Ont., is offering to compromise.

Levi Bourgeois, carriagemaker, Berthier, Que., is offering 50c. on the dollar cash.

Daniel Shaw, hardware merchant, Almonte, Ont., is offering 35c. on the dollar.

Wm. Bennett, general merchant, Calumet, Que., has assigned to Lamarre & Galaise.

Kent & Turcotte are the curators of Magnan Freres, hardware merchants, Montreal.

A. Champagne, carriagemaker, Chambly Canton, Que., is offering 20c. on the dollar cash.

The creditors of Wilfrid Chausse, hardware merchant, Montreal, held a meeting on March 7.

H. L. Hamel, general merchant, Nicolet, Que., has compromised at 50c. on the dollar.

Eugene Audet, general merchant, Ste. Anne du Sault, Que., has assigned to Kent & Turcotte.

Liens aggregating $1,101 have been filed against The Texada Gold Mines Co., Texada Island, B.C.

The creditors of O. Leger & Frere, general merchants, Coteau Station, Que., held a meeting on March 4.

The creditors of Mrs. Geo. E. Champagne, general merchant, Pierreville, Que., held a meeting on March 5.

Lefebvre & Taschereau have been appointed curators of F. X. Roy, general merchant, St. Phillipe de Nery, Que.

H. W. Green, blacksmith, Algonquin, Ont., has assigned to Alex. G. Dobbie; his creditors held a meeting on March 5.

H. A. Madden, general merchant, Sault Ste. Marie, Ont., has assigned to W. J. Morrin. His creditors met on March 4.

Kent & Turcotte are the curators of P. Plouffe, general merchant, Ladysmith and Shawville, Que. His assets are to be sold.

A bailiff is in possession of the general store and sawmill of Duncan McIntyre, Clarence, Ont., and his assets are to be sold.

Lefebvre & Taschereau have been appointed curators of John Lavalle, wholesale general merchant, St. Charles (Bellechasse), Que.

The American Tire Co., Limited, bicycle sundries and sporting goods, Toronto, is being wound up. E. R. C. Clarkson is provisional liquidator.

The creditors of R. Bergeron & Co., general merchants, Shawenegan Falls, Que., held a meeting on February 28. Lamarche & Benoit were appointed curators.

PARTNERSHIPS FORMED AND DISSOLVED.

A. R. Williams & Co., machinery supplies, Montreal, have dissolved.

Turnbull & Davidson, lumber merchants, Manitou, Man., have dissolved.

Gregoire & Bourque, saw and grist millers, St. Germain, Que., have dissolved.

Smith & Barnes, bicycles, etc., Ottawa, have dissolved; the business is continued by E. G. Barnes & Co.

S. E. Bancroft & Co., general merchants, Roundhill, N.S., have dissolved; S. E. Bancroft succeeds.

C. H. Anderson, A. Archibald and M. McMann have registered at Moeer River, N.S., as partners in a general store.

SALES MADE AND PENDING.

Bailey Bros., Huntsville, Ont., are advertising their mill for sale.

The real estate of J. A. Choquette, contractor, Montreal, has been sold.

M. Procunier, wagonmaker, Nilestown, Ont., is advertising his business for sale.

The assets of J. C. Giroux, general merchant, Berthier, Que., have been sold.

A. S. Baker, general merchant, Hilton, Man., is advertising his business for sale.

The assets of Joseph Cousineau, coal and wood merchant, Montreal, have been sold.

M. J. Otto, stove and tinware merchant, Ayr, Ont., is advertising his business for sale.

Meader & Co., general merchants, Hazel Cliff, N.W.T., are advertising their business for sale.

The assets of L. A. Frechette, general merchant, Thetford Mines, Que., were to be sold on March 6.

The stock of Gus Tweedale & Co., hardware merchants, Fredericton, N.B., has been sold by sheriff.

The assets of Lecourse & Lefrancois, general merchants, Shawenegan Falls, Que., have been sold.

Charles Kitchen, carriagemaker, etc., Kleinburg, Ont., is advertising his blacksmith shop for sale.

The stock of the (late) W. L. Coutler, general merchant, Creemore, Ont., is advertised for sale by tender.

The stock of G. C. Bristow, general merchant, Aylmer, Ont., is advertised to be sold by auction on March 5.

The stock of Alfred Fradette, general merchant, St. Philemon, Que., has been sold at 70½c. on the dollar.

The stock belonging to the estate of Elliott & Borland, general merchants, Steinbach Station, Man., has been sold at 51c. on the dollar.

CHANGES.

Bouthillier & Bernard, plasterers, Montreal, have registered.

Brousseau & Frere, electricians, Quebec, have registered.

Williams & Wilson, machinery supplies, Montreal, have registered.

Roussin & Freres, carriagemakers, Montreal, have registered.

The Zozo Co., stove polish manufacturers, Montreal, have registered.

The N. P. McMullan Co., railway supplies, Montreal, have registered.

A. Portlance, carriagemaker, Ste. Anne de Bellevue, Que., has registered.

A. Binette & Cie., tinsmiths, roofers, etc., Lachine, Que., have registered.

J. H. Roseborough, blacksmith, Birtle, Man., has sold out to H. Bowser.

H. E. Poynter, blacksmith, Cherrywood, Ont., has sold out to Robt. Davidson.

O. R. Taylor, general merchant, Wheatley, Ont., has sold out to M. Chamberlain.

W. R. Bennett, carriagemaker, etc., Somerset, N.S., has sold his undertaking business to The Barwick Undertaking Company.

Edmond Neve, general merchant, L'Orignal, Ont., has sold out to D. J. Jamieson.

Archibald McNabb, agricultural implement agent, Alexander, Man., is leaving that place.

J. B. Taylor, hardware merchant, Minnedosa, Man., has sold out to J. W. and James Black.

E. Jordan, general merchant, Thornhill, Man., has removed his Thornhill stock to Darlingford.

Wagner Bros., agricultural implement agents, Plum Coulee, Man., have sold out to McKay & Cochrane.

John Dewar & Sons, Limited, lumber and general merchants, St. George, N.B., have sold their lumber business to E. G. Murphy.

FIRES.

The factory of A. C. Lariviere, carriagemaker, Montreal, was damaged by fire; it was insured.

The stock and store of Nelson Weir, general merchant, Upper Kennetcook, N.S., have been burned.

The North Bay Supply Co., Limited, departmental store, North Bay, Ont., was burned out; the property was insured.

The New Hamburg Manufacturing Co., Limited, agricultural implements, etc., New Hamburg, Ont., were burned out; the premises were insured.

DEATHS.

A. R. Bowie, general merchant, Annan, Ont., is dead.

John Bugg, of J. Bugg & Son, tinsmiths and stove merchants, Wingham, Ont., is dead.

F. R. Graham, of T. Graham & Son, locksmiths and hardware merchants, Toronto, is dead.

Happy is the Painter who uses the

PAINTERS PERFECT WHITE LEAD.

He will **please** his **customers** and himself. To obtain these benefits he must be sure that the following name is on the label:

THE

CANADA PAINT COMPANY

LIMITED.

PAINTERS PERFECT WHITE LEAD

We have had this paint in hands of the Canadian trade for two seasons. The reports received confirm all we have said about it, and we have, therefore, adopted it for 1902 AS A SPECIALTY.

Any chemist can analyze it, but no other maker can construct it. The idea is quite unique, and, we believe, will prove of great value.

This Lead we offer in competition with Pure White Lead for the best class of work—indoor and outdoor.

Decorators have noticed how sharp and clear tints show up on this Lead. It takes the full amount of thinners, works and covers equal to any Lead with which it competes.

THE CANADA PAINT COMPANY,
LIMITED.



NEW ALLOYS OF NICKEL AND ALUMINUM.

THE difficulty in attempting to produce an alloy of nickel and aluminum arises from the great difference between the melting points of the two metals—1,450 and 600 deg., respectively. If the experiment is made it is found that the resulting alloy contains scarcely 2 per cent. of aluminum.

Now, a manufacturer in Berlin has introduced an alloy under the name of "nickel-aluminum." This is really an alloy of nickel, aluminum and copper, consisting for the most part, however, of aluminum, as is shown by its specific gravity—2.86.

The method of production depends on the fact that the melting point of copper is about a mean between the melting points of the other two metals; the aluminum first unites with the copper, thus preparing it to take up the nickel.

The process depends largely for its success on a special furnace designed by the manufacturer who has introduced the alloy, and also on the addition of certain fluxes. The complete explanation, however, is kept secret.

The alloy can be rolled into plates and bars, and the author gives the average of six tests on such bars as showing an ultimate tensile strength of 25.9 kilos per square millimetre (16.44 tons per square inch).

Another new alloy is "minckin." It is similar to the so-called new silver, but it appears to contain more nickel. Ordinary new silver contains about 26 per cent. nickel, and it has hitherto been difficult to get more than this in the alloy, owing to the development of gases in the mass. The furnace employed plays here again, according to the author, perhaps the most important part.

"Minckin" is being largely employed on account of its resistance to the corrosive effects of weak acids and alkalies. The firm of Slemens & Halske use it almost entirely in the construction of the water meters sold by them.

The author also mentions a new method of plating aluminum with other metals. The difficulty in attempting to plate, for example, aluminum on copper arises from the formation, during heating, of a film of oxide on the copper surface.

Even when this difficulty has been overcome the resulting compound plate has been brittle and liable to split.

The Wachitz method overcomes all these objections by first forming a thin skin of copper-aluminum-bronze on the copper plate, preparatory to the actual plating process.

The same method is applicable to iron, and the author suggests the construction of ships having plates with iron surfaces and aluminum body.—Inst. C.E.: Foreign Abstracts.

THEY WANT MANITOBA FLAXSEED.

A despatch from Minneapolis under date of February 28 says:

"Minneapolis flax handlers and linseed oil men are the latest to take up the question of bringing the Manitoba product into this market. Now that the millers have satisfied themselves as to just what they would have to do in order to grind Manitoba wheat in bond the linseed oil crushers have taken up the question and are making inquiry on the same lines.

"It was reported on 'Change yesterday that, in addition to the inquiry regarding the possibility of obtaining storage capacity here for 6,000,000 bushels of wheat, there was a letter received by a local elevator company asking what capacity they had for carrying Manitoba flax if sent here to be stored in bond.

"The question of crushing flax into linseed oil in bond, and of grinding wheat into flour in bond, are two different propositions. The miller could pay the duty on Manitoba wheat, make flour of it, and by exporting the flour, get the drawback. But the linseed oil crusher does not export his product. He does export practically all of the oilcake. This oilcake would average 75 per cent. of the weight, but would not represent any such proportion of value, which lies principally in the oil obtained from the seed."

BABBITTING PULLEY SLEEVES.

A correspondent of Steam Engineering gives the following method of babbitting pulley sleeves, which he says is a good one, if the sleeves are turned on the outside:

Take a piece of shaft the size of the shaft on which the pulley runs, or, say, 1 64 in. larger. Take two collars and bore them the size of this arbor. Countersink one end of each, and put one collar on the arbor with the countersunk side up. Place the two halves of the sleeve on the arbor resting on the countersunk part of the collar, then slide the other collar down on the sleeve, catching the sleeve the same way. Have two holes drilled through the top collar, one on each side, to pour the babbitt through; separate the two halves with strips of tin well coated with white lead, or something of that kind. It will be seen that the collars will bring the sleeve central with the arbor. When the rig is adjusted one side can be poured and then the other. All that is required to hold them in place is something to press down on the top collar.

LARGER PREMISES.

Owing to the increase of business, McCaskill, Dougall & Co. have found it necessary to make a considerable addition to their factory in Montreal. Accordingly, an adjoining property has been secured, and arrangements for the enlargements of the works are going forward. When completed the new works will have a frontage on three streets, Manufacturers, St. Patrick's and D'Argenson, along the canal bank. The firm's agent in Boston was recently in Montreal, and a consultation was held regarding the increasing of their stock in that city.

OTTAWA AND TOURIST TRAVEL.

A deputation from the Ottawa Valley Tourist Association were present at a meeting of the Finance Committee of the Ottawa City Council on March 1 and obtained a grant of $500 to assist the association in the work of advertising the city. This grant is conditional. The organization must raise $1,000 by private subscriptions.

The deputation consisted of G. F. Henderson, J. R. Reid, A. Holland, and King Arnoldi, who all asked for the grant to help hem in their work. Mr. Henderson claimed that the Tourist Association was the best medium for advertising obtainable and that the Municipal Act authorized a grant being made to such an organization. The influx of tourists, he thought, would fully repay any outlay that might be made by the corporation.

After some discussion the money asked for was granted.

NO BUSHEL ON HIS LIGHT.

The caller explained his mission.

"It's a worthy cause," he said.

"It is, indeed," admitted the up-to-date merchant. "You may put down our firm for $5,000."

"Good!" exclaimed the caller. "It's to be done very quietly and unostentatiously, of course. The money will be given in a lump sum from 'a few friends,' without any names whatever."

"No one will know who gives?" asked the merchant.

"No one," answered the caller.

"No list published?"

"None."

"Cross the name of our firm off."—Chicago Post.

Mr. R. W. Waters, of R. W. Waters & Son, general merchants, Norwood, Ont., was in Toronto this week.

WE have the nicest set of Hose samples ever shown to the Canadian trade. Don't fail to see them.

HOSE

GARDEN
STEAM
SUCTION
ETC.

Send for samples and quotations.

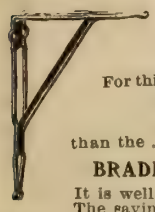
WE make Hose of all kinds for all purposes. Our equipment is the most modern and our goods are perfection.

MANUFACTURED BY

THE DURHAM RUBBER CO., LIMITED

Bowmanville, Ont.

Persons addressing advertisers will kindly mention having seen their advertisement in The Canadian Hardware and Metal Merchant.



Will Hold Up a Shelf!

That's what a shelf bracket is for. For this purpose there can be

NOTHING BETTER
NOTHING CHEAPER

than the....

BRADLEY STEEL SHELF BRACKET

It is well **Japanned, Strong** and **Light.** The saving in freight is a good profit, aside from the **lower price** at which the goods are sold.

☞ Order direct or through your jobber.

ATLAS MFG. CO., New Haven, Conn., U.S.A.

GIBSON ARNOLDI & CO.

BARRISTERS, SOLICITORS, NOTARIES PUBLIC, Etc.

9 Toronto St., Toronto.

CAPITAL FURNISHED TO AID INDUSTRIAL CONCERNS.

Representatives in London, Liverpool, Manchester, Glasgow, Edinburgh, Chicago, and New York, and Paris, France.

GENERAL COMMERCIAL SOLICITORS.

HOLLYWOOD

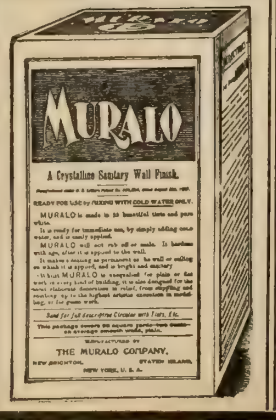
Buffalo, Chicago,
New York, Columbus, O.

PAINT CO., Limited

Hollywood Paste Paints
Hollywood Liquid Paints
Hollywood Floor Paints
Hollywood White Lead

Enamels
Agricultural Colors
Dry Colors
Varnishes.

CANADIAN WORKS - HAMILTON, ONT.



MURALO

is a Cold Water Wall Finish, as far ahead of the old-fashioned wall finishes as paint is ahead of whitewash. **MURALO** is a distinctive preparation of its own. Don't conflict it with old wall finishes you have known before. **MURALO** has the largest sale in the world, because every painter, every amateur, who has tried it, knows it to be the best Cold Water Wall Finish. There's money in it for the dealer.

Agents:

A. RAMSAY & SON, - - - MONTREAL
J. H. ASHDOWN, - - - WINNIPEG
McLENNAN, McFEELY & CO., - VANCOUVER

MANITOBA MARKETS.

WINNIPEG, Mach 3, 1902.

THERE has been a fair amount of business doing throughout the week, and preparations for spring shipments are very active at the present time. No change in price is on record in any line of hardware. The outlook for the sale of building hardware this spring has never been as good. The inquiry for farm implements, garden tools and barb wire is good.

Prices of binder twine are now quoted, the opening price for sisal being 11⅝c. f.o.b. Winnipeg. The high price of manila is considered to make it almost prohibitive on this market. Quotations, however, are given at 12⅞c. for 550 feet length, and 14⅛c. for 600 feet length for pure manila.

In paints, oils and glass there is nothing new to note. Inquiries are rather more active than a few weeks ago, but the spring trade has not yet opened up.

Price list for the week is as follows:

Barbed wire, 100 lb	$3 30
Plain twist	3 40
Staples	3 95
Oiled annealed wire, 10	3 85
" 11	3 90
" 12	3 95
" 13	4 10
" 14	4 25
" 15	4 35
Galvanized wire, 6 to 8 gauge	4 00
" 9 "	3 50
" 10 "	4 05
" 11 "	4 20
" 12 "	3 65
" 13 "	3 75
" 14 "	4 45
" 15 "	4 60
" 16 "	4 75
Wire nails, 30 to 60 dy, keg	3 25
" 16 and 20	3 35
" 10	3 35
" 8	3 45
" 6	3 50
" 4	3 65
" 3	3 90
Coil chain, 3-16 inch	10¼
" ¼ inch	8¾
" 5-16 inch	5½
" ⅜ inch	5¼
" 7-16 inch	5
" ½ to ¾ inch	4¾
Cut nails, 30 to 60 dy.	3 05
" 20 to 40	3 10
" 10 to 16	3 15
" 8	3 20
" 6	3 25
" 4	3 35
" 3	3 70
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to No. 1	4 65
No. 2 and larger	4 40
Snow shoes, No. 0 to No. 1	4 90
No. 2 and larger	4 40
Steel, No. 0 to No. 1	4 95
No. 2 and larger	4 70
Bar iron, $2.70 basis.	
Swedish iron, $5.00 basis.	
Sleigh shoe steel	3 25
Spring steel	3 25
Machinery steel	3 75
Tool steel, Black Diamond, 100 lb	8 50
Jessop	13 00
Sheet iron, black, 10 to 20 gauge, 100 lb.	3 50
20 to 26 gauge	3 75
28 gauge	4 00
Galvanized American, 16 gauge	2 79
18 to 22 gauge	4 75
24 gauge	5 00
26 gauge	5 25
28 gauge	5 50
Genuine Russian, lb	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 75
26 gauge	8 00
28 gauge	8 50
Tinplate, IC charcoal, 20 x 28, box	11 00
" IX "	13 00
" IXX "	15 00
Ingot tin	33
Canada plate, 18 x 21 and 18 x 24	3 75
Sheet zinc, cask lots, 100 lb	7 00
Broken lots	7 50
Pig lead, 100 lb	6 00
Wrought pipe, black up to 2 inch....50 an	10 p.c.
" Over 2 inch	50 p.c.
Rope, sisal, 7-16 and larger	$13 50
" ⅜	14 00
" ¼ and 5-16	14 25
Manila, 7-16 and larger	16 50
" ⅜	17 00
" ¼ and 5-16	17 50
Solder	18
Cotton Rope, all sizes, lb	17
Axes, chopping	$7 50 to 12 00
" double bitts	12 00 to 18 00
Screws, flat head, iron, bright	87½
Round " "	82½
Flat " brass	80
Round " "	75
Coach	57½ p.c.
Bolts, carriage	50 p.c.
Machine	50 p.c.
Tire	60 p.c.
Sleigh shoe	65 p.c.
Plough	40 p.c.
Rivets, iron	50 p.c.
Copper, No. 8	26
" No. 12	30
Bluestone, cask lots	$5 50
Spades and shovels	40 p.c.
Harvest tools	70 p.c.
Axe handles, turned, s. g. hickory, doz.	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 75
No. 1	1 25
Files common	70, and 10 p.c.
Diamond	60
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	30 p.c.
" military	15 p.c.
American R.F.	30 p.c.
C.F. pistol	5 p.c.
C.F. military	10 p.c. advance.
Loaded shells:	
Eley's soft, 12 gauge black	16 50
chilled, 12 gauge	18 00
soft, 10 gauge	21 00
chilled, 10 gauge	23 00
Shot, Ordinary, per 100 lb	6 25
Chilled	6 75
Powder, F.F., keg	4 75
F.F.G.	5 00
Tinware, pressed, retinned	75 and 2½ p.c.
" " plain	70 and 15 p.c.
Graniteware, according to quality	50 p.c.

PETROLEUM.

Water white American	25½c.
Prime white American	24c.
Water white Canadian	22c.
Prime white Canadian	21½c.

PAINTS, OILS AND GLASS.

Turpentine, pure, in barrels	$ 73
Less than barrel lots	70
Linseed oil, raw	82
Boiled	85
Lubricating oils, Eldorado castor	27½
Eldorado engine	26½
Atlantic red	29½
Renown engine	41
Black oil	19½
Cylinder oil (according to grade)	55 to 74
Harness oil	65
Neatsfoot oil	$ 1 00
Steam refined oil	85
Sperm oil	2 00
Castor oil, per lb.	11½
Glass, single glass, first break, 16 to 25 united inches	2 50
26 to 40, per 50 ft.	2 75
41 to 50, " 100 ft.	6 00
51 to 60, " " "	6 50
61 to 70, per 100-ft. boxes	7 00
Putty, in bladders, barrel lots, per lb.	2½
kegs "	2¾
White lead, pure, per cwt.	6 50
No. 1 "	6 00
Prepared paints, pure liquid colors, according to shade and color, per gal.	$1.30 to $1.90

CONDENSED OR "WANT" ADVERTISEMENTS.

Advertisements under this heading, 2c. a word each insertion; cash in advance. Letters, figures, and abbreviations each count as one word in estimating cost.

SITUATION WANTED.

WANTED BY YOUNG MAN WITH THOROUGH knowledge of hardware and bookkeeping, a situation in wholesale or retail establishment as traveller or salesman. A1 references. Box 81, HARDWARE AND METAL, Toronto. (10)

BUSINESS FOR SALE.

HARDWARE BUSINESS, IN A GROWING town. Prosperous farming section. Good location and premises. Opening for plumbing in connection. Business established thirty years. Owner has other interests. Address, Box 74, HARDWARE AND METAL, Montreal or Toronto. (8-tf.)

THE LONDON SCALE WORKS

GEORGE M. FOX
(Successor to John Fox)

Manufacturer of Railroad, Hay and Platform Scales.

91 York Street, LONDON, ONT.

Canadian Wringer Co.

Manufacturers of the following

CLOTHES WRINGERS

Queen,	Eureka,
Royal Canadian,	New Eureka,
New Metropolitan,	Stone,
New Lightning,	Jubilee Ball Bearing Etc., Etc.

All our Rolls are of Solid White Rubber and Vulcanized to Shaft. . . . Send for Catalogue and Discounts.

16 SHEPPARD STREET, TORONTO.

TOOLS

We make tools required by

Stone Workers, Cement Workers, Paving, Building, Sewer and Railroad Contractors.

Likewise Special Wrought Iron or Steel Work to drawings. Estimates promptly furnished for any quantity. You ought to know our advantages. Correspondence solicited.

W. H. ANDERSON & SONS,

Factory and Main Office— DETROIT, MICH.
Canadian Branch, with Eureka Planter Co., WINDSOR, ONT.

Stove Bricks in Variety.

We don't have to make a kiln and then burn it before filling your order. Prompt shipment is one of our mottoes. We have over 200 varieties of bricks, and all kinds of fire clay products, furnace cement, etc., always in stock. Catalogue upon application.

JONES BROS., Bracondale, P.O., Ont.

Lace Leather

Send direct to us for the celebrated "NIAGARA" Brand Lace Leather, best produced in this country. Yellow and White in Sides or Cut Strings. Prices and Samples on application.

WOOD BROS.
Tanners of High-Class Leathers,
ST. CATHARINES, ONT.

John Bowman

HARDWARE & COAL CO.

LONDON, ONT.

Our stock of goods for the spring trade is now complete, and we can fill all orders promptly on the following lines :

Wire, Nails, Cordage, Window Glass, White Lead, Paints, Whiting, Churns, Linseed Oil, Spades and Shovels, Screen Doors, Wove Wire, Poultry Netting, Builders' Hardware, Guns and Sporting Goods. Finest stock in the Province of Cutlery.

Prompt Shipment. Prices Right.

DOMINION WIRE MANUFACTURING CO.

Limited

MONTREAL and TORONTO.

We Manufacture

IRON
STEEL
BRASS
AND
COPPER
WIRE

and the following products of same :



Wire Nails
Wood Screws
Bright Wire Goods
Barbed and Plain Fencing
Fence } STAPLES
Poultry } STAPLES
Bed } STAPLES
Blind } STAPLES
Cotter Pins
Jack Chain
Door Pulls
"Crescent" Hat and Coat Hooks

LEADERS from COAST TO COAST

ARE OUR

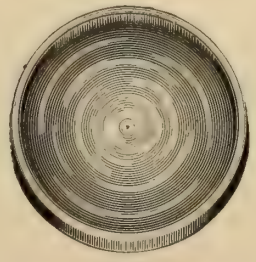
•—MILK PAILS—•



"HERCULES"

Heavy.
Enduring.
Rustless.
Useful
Leaders.
Easy
Sellers.

See how "Hercules" bottom is made.



BOTTOM



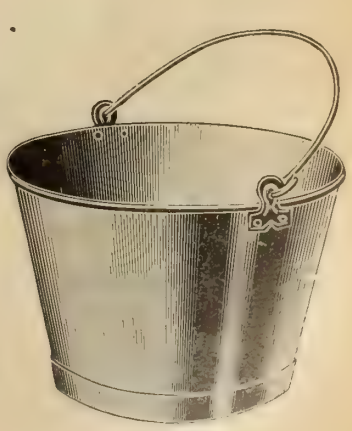
SECTION

Deep Double Rolled Rim.

Quality
Unsurpassed.

Easily
Emptied.

Never Break.



"QUEEN"

Made of IXX Charcoal Tin, with heavy bails, Malleable Ears, XXXX Retinned Bottoms.
Prices right. Prompt delivery. Order sample dozen.

(BOTTOMS ALSO SOLD SEPARATE.)

THE THOS. DAVIDSON MFG. CO., Limited, MONTREAL, P.Q.

ESTABLISHED 1860. INCORPORATED 1895.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

Montreal, March 7, 1902.

HARDWARE.

THE very bad roads, which, during the latter part of last week and one or two days in the current week, kept many buyers from the country from coming into the city markets, have much improved, and country merchants are making up in their purchases for lost time. Although a certain amount of business was lost in this way, yet the volume of trade for the week was hardly lessened, as other orders, by mail and from local buyers, seemed to make up for it. Business for spring is rapidly increasing, and among other lines builders' hardware has taken a decided turn for the better. Sap spouts and buckets, and sugar kettles are moving rapidly. The prices of sap spouts are considerably lower than last year. Japanned spouts sell for $1.20 per 1,000; galvanized, for $10.20 per 1,000, and cast iron, for $6.30 per 1,000. Except in one or two cases quotations in other lines remain unchanged.

BARB WIRE.—The price is the same, $3 per 100 lb. f.o.b. Montreal.

GALVANIZED WIRE.—There is an improvement in the demand this week. We quote: Nos. 6, 7, and 8 gauge, $3.45; No. 9, $2.80; No. 10, $3.55; No. 11, $3.65; No. 12, $2.95; No. 13, $3.05; No. 14, $4.05; No. 15, $4.55; No. 16, $4.80; No. 17, $5.20; No. 18, $5.45.

SMOOTH STEEL WIRE.—Trade is quite active, and prices are unchanged. Quotations are as follows: Bright iron and annealed on a base of $2.60 per 100 lb., f.o.b. Montreal, Toronto, Halifax, London, Hamilton and St. John. Net extras, per 100 lb. are as follows: Coppered wire, 60c.; tinned wire, $2; oiling, 10c.; spring wire, $1.25; best steel wire, 75c.; bright soft drawn, 15c.; special hay-baling wire, 30c.

FINE WIRE.—There is no change. The discount is 22½ per cent.

BRASS AND COPPER WIRE.—Both brass and copper wires are discounted at 60 per cent.

FENCE STAPLES.—Business is brisk. We quote per 100-lb. keg: Bright, $2.90; galvanized, $3.25.

WIRE NAILS.—The market continues active. Our quotations are as follows: $2.55 for small lots and $2.50 for carlots f.o.b. Montreal, London, Hamilton, Toronto, Gananoque, Brantford, Windsor, Ont., St. John and Halifax.

CUT NAILS.—The demand is light. We quote: $2.35 per keg in small lots and $2.27½ in carlots. Flour barrel and coopers' nails are discounted at 40 per cent.

HORSE NAILS.—The market is dull. We quote as follows: "C" brand at 50 and 7½ per cent. off and "M" brand at 60 per cent. off on oval and new city heads and 66 2-3 per cent. off for new countersunk heads.

HORSESHOES.—There is no improvement. Business is almost at a standstill. Our quotations are as follows: Iron shoes, light and medium pattern, No. 2 and larger, $3.50; No. 1 and smaller, $3.75; snow shoes, No. 2 and larger, $3.75; No. 1 and smaller, $4; X L steel shoes, all sizes, 1 to 5, No. 2 and larger, $3.60; No. 1 and smaller, $3.85; feather-weight, all sizes, $4.85; toe weight, steel shoes, all sizes, $5.95 f.o.b. Montreal; f.o.b. Hamilton, London and Guelph, 10c. extra.

SCREWS.—Trade is quite active, and the demand for spring is growing. The discounts are as follows: Flat head bright, 87½ and 10 per cent. off list; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.

BOLTS.—There is a good business doing in bolts at current quotations. We now quote as follows: Norway carriage bolts, 60 and 5 per cent.; common, 55 and 5 per cent.; full square carriage bolts, 60 and 5 per cent.; machine bolts, 55 and 5 per cent.; coach screws, 70 per cent.; sleigh shoe bolts, 70 per cent.; blank bolts, 60 per cent.; bolt ends, 60 per cent.; plough bolts, 55 and 5 per cent.; tire bolts, 67½ per cent.;

"CLIMAX" TEA KETTLES.
MADE IN TWO SIZES, NOS. 8 AND 9.

NICKEL-PLATED TEA KETTLES



All Spouts and Bottoms are Double-Seamed to Body.

This is an extra heavy kettle, being made of 18-ounce copper throughout, and is plated with an extra heavy coat of nickel, which is given the finest possible finish.

The "Climax" will outwear any other kettle on the market, and you need have no hesitation in recommending it to your customers.

"PERFECTION" TEA KETTLES.—MADE IN THREE SIZES, NOS. 7, 8 AND 9.



The "Perfection" is a somewhat lighter kettle than the "Climax," but for its weight has no equal, and is a first class seller.

Is also made with flat bottoms, in four sizes, for base-burners and oil-stoves.

You should be able to do a good Spring business (during house-cleaning and moving-time), in these lines.

Each kettle is carefully packed in a cardboard box for shipping.



Nos. 4, 5, 6 and 7.

The McClary Manufacturing Co.,

LONDON, TORONTO, MONTREAL, WINNIPEG, VANCOUVER, AND ST. JOHN, N.B

"Everything for the Tinshop"

ENGLISH
GERMAN
BELGIAN
CANADIAN
AMERICAN
} PORTLAND CEMENTS.

FIRE
BUILDING
ENAMELLED
SILICA
MAGNESIA
} BRICKS.

DRAIN
CULVERT
} PIPES.

F. HYDE & CO.
31 WELLINGTON ST., MONTREAL

. . FULL STOCK . .
Salt Glazed Vitrified
SEWER PIPE
Double Strength Culvert Pipe a Specialty.
THE CANADIAN SEWER PIPE CO.
HAMILTON, ONT. TORONTO, ONT.
ST. JOHNS, QUE.

Deseronto Iron Co.
LIMITED
DESERONTO, ONT.
Manufacturers of
CHARCOAL PIG IRON
BRAND "DESERONTO."
Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

The Robin Hood Powder Company
If you want the best Trap or Game load in the world, buy "Robin Hood Smokeless," in "Robin Hood" Shells. It is quick, safe, and reliable. Try it for pattern and penetration from forty to seventy yards against any powder on the market. We make the powder, we make the shells, and we load them. Write for our booklet, "Powder Facts."
The Robin Hood Powder Company
SWANTON, VT.

stove bolts, 67½ per cent. To any retailer an extra discount of 5 per cent. is allowed. Nuts, square, 3¾c. per lb. off list; hexagon nuts, 4c. per lb. off list. To all retailers an extra discount of ¼c. per lb. is allowed.

BUILDING PAPER.—Along with other builders' supplies, building paper is moving better, and the present demand is a large one. Prices have not changed. Our quotations are as follows: Tarred felt, $1.70 per 100 lb.; 2-ply, ready roofing, 85c. per roll; 3-ply, $1.10 per roll; carpet felt, $2.25 per 100 lb.; dry sheathing, 30c. per roll; tar sheathing, 40c. per roll; dry fibre, 50c. per roll; tarred fibre, 60c. per roll; O K and I X L, 65c. per roll; heavy straw sheathing, $30 per ton; slaters' felt, 60c. per roll.

CORDAGE.—British manila has advanced ½c. and is now quoted at 14c. Other lines are unchanged in price. The demand, for the season, is quite satisfactory. We quote: Manila, 16c.; British, manila, 14c.; sisal, 12½c.; lathyarn, 11c. Prices on binder twine are as follows: Blue ribbon, 650 feet to the pound, 14½c.; Redcat, 600 feet to the pound, 13½c.; Tiger, 550 feet to the pound, 12½c.; Standard, 500 feet to the pound, 11c.; sisal, 500 feet to the pound, 11c. Prices are subject to a rebate of ½c. in carload lots.

RIVETS AND BURRS.—There has been a better movement this week. The discounts are as follows: Best iron rivets, section, carriage, and wagon box, black rivets, tinned do., coopers' rivets and tinned swedes rivets, 60 and 10 per cent.; swedes iron burrs are quoted at 55 per cent. off; copper rivets, 35 and 5 per cent. off, and coppered iron rivets and burrs, in 5-lb. carton boxes, are quoted at 60 and 10 per cent. off list.

SCREEN WIRE CLOTH.—Business is brisk. We quote $1.25 per 100 square feet.

POULTRY NETTING. There is a fair trade doing. Canadian or English is discounted at 60 per cent. off 2 x 2 mesh, 19 wire, and 55 per cent. off 2 x 2 mesh, heavier, Canadian list.

HARVEST TOOLS.—There is some business doing, but the market is still quiet. Discount is 70 per cent.

FIREBRICKS.—There is no change. We quote: Scotch, $19 to $23.50; English, $18.50 to $22.50 per 1,000.

CEMENT.—This is selling fairly well. Prices steady and unchanged. We quote: German cement, $2.30 to $2.40; English, $2.25 to $2.35; Belgian, $1.70 to $1.95 per bbl. ex-wharf, and American, $2.20 to $2.30 ex-cars.

METALS.

The local demand for most hardware metals is very good and prices are firm. The position of metals in the primary markets is as strong as ever. Several advances have been made there. Canada plates have gone up 5s. per ton; sheet lead, 2s. 6d. per ton; terne plates, 1s. per box; charcoals, 10s. 3d. per box, and cokes, 10s. ½d. per box. Dealers are quoting the same prices as last week on this market, but present stocks on many metals are running low, and an advance is looked for. We quote:

PIG IRON.—Summerlee, $21 to $21.50; Canadian, $18.50 to $19.

BAR IRON.—The market is active. Merchants' bar, in small lots, sells for $1.95; horseshoe iron, $2.15 to $2.20.

BLACK SHEETS.—Trade is fair at

THE BEST BRANDS
TINPLATES
"Allaways" Charcoal.
"Lydbrook," "Trym," "Grafton" Cokes.
TINNED SHEETS
"Wilder" Best Coke or Charcoal.
TERNE PLATES
"Dean," dull finish.
CANADA PLATES
"Dominion," polished.
Accept no Substitutes.
A. C. LESLIE & CO.
MONTREAL.


IRON AND BRASS
Pumps
Force, Lift and Cistern Hand and Power.
For all duties. We can supply your wants with—quality the best and prices right. Catalogues and full information for a request.
THE R. McDOUGALL CO., Limited,
Manufacturers, GALT, CANADA.

ADAM HOPE & CO.
Hamilton, Ont.
We offer for prompt shipment
Pig Tin,
L. & F. and STRAITS.
Ingot Copper, O.C.
Pig Lead.
Spelter.
Antimony.

NOVA SCOTIA STEEL & COAL CO., Limited
NEW GLASGOW, N.S.
Manufacturers of
Ferrona Pig Iron
And SIEMENS MARTIN
OPEN HEARTH STEEL.

If you could look into the future



and see the healthy conditions your Varnish Business would be in, by reason of your having handled

"Elastilite,"

you would telegraph for some of it to be sent by express, as a letter and freight would be too slow.

"Elastilite" Varnish

always pleases a particular customer. For outside and inside use. In tins only, from half pints to one gallon. Sealed with our brass cap.

MANUFACTURED ONLY BY

The Imperial Varnish & Color Co. LIMITED

Toronto, Ont., Canada.

Canadian Agents for Buehne's "Red, White and Blue" Brand Steel Wool.

Very soon you will be putting a lot of money into paint for the Spring trade.

Don't sink it in stuff you cannot recommend.

If you are not wholly convinced that

"Ark Brand" Paint

is the best ready-mixed paint on the market send for our booklet and see what our customers say about it.

THE FRANCIS-FROST Co. Limited
TORONTO.

Canadian Distributing Agents for Grippin's Crack Filler.

current quotations. We quote : 28 gauge, $2.65 ; 26 gauge, $2.60 ; 20 to 24 gauge, $2.50, and 8 to 20 gauge, $2.50.

GALVANIZED IRON.—There is not much doing. We quote as follows : No. 28, Queen's Head, $4.40 ; Apollo, 10¾ oz., $4.40 ; Comet, $4.25 with 10c. extra in less than case lots.

INGOT COPPER.—The price is 14c.

INGOT TIN.—Some improvement is noted this week. Straits are quoted at 29 cents.

PIG LEAD.—There is an active inquiry for pig lead at $3.25.

LEAD PIPE.—Business is moderate and the prices are unchanged. Composition waste sells for 7½c., and ordinary 7c. The discount is 35 per cent.

IRON PIPE.—The market is active, and nothing new in prices has occurred during the week. We quote, per 100 feet, for standard pipe, screwed and coupled, in lengths under 19 feet, as follows : Black pipe, ⅛, $3 ; ¼, $2.50 ; ⅜, $2.75 ; ½, $3 ; ¾, $3.70 ; 1-inch, $5.25 ; 1¼, $7.40 ; 1½, $8.90 ; 2-inch, $12.40 Galvanized, ⅜, $3.55 ; ½, $4 ; ¾, $5.05 ; 1-inch, $7.25 ; 1¼, $10 10 ; 1½, $12.15 ; 2-inch, $16.70. Extra heavy pipe, plain ends, are quoted, per 100 feet, as follows : Black, ¼, $4.35 ; ¾, $5.30 ; 1-inch, $7.60 ; 1¼, $10.60 ; 1½, $12.70 ; 2-inch, $17.45. Galvanized, ¼, $5.35 ; ⅜, $6.70 ; 1-inch, $9.60 ; 1¼, $13.30; 1½, $15.95 ; 2-inch, $21.75. For threads and couplings, 5 per cent. is added.

TINPLATES.—The local market is quite firm. An advance in both cokes and charcoals has been made in the primary markets, but prices, locally, are as yet unchanged. A very good business is doing. The price for cokes is $4.25 to $4.50 per box ; for charcoal, $4.75 to $5.25 per box.

CANADA PLATE.—This, also, is a rising market in the Old Country, and here prices are stiffening but can be quoted at last week's figures still. We quote as follows : 52's, $2.65 to $2.70 ; 60's, $2.75 to $2.80 ; 75's, $2.80 to $2.85 ; full polished, $3.75, and galvanized, $4.25 to $4.35.

STEEL.—Since the advance of last week there have been no further changes in prices. The market continues active. We quote : Sleighshoe, $2.10; tire, $2.15 ; bar, $2.05 ; spring, $2.85 ; machinery, $3; toecalk, $2.60.

SHEET STEEL.—There is little doing. We quote : Nos. 10 to 20, $2.50 ; 3-16, $2.50 ; ¼, 5-16 and ⅜, $2.40.

TOOL STEEL.—Trade shows some slight improvement, but there is still only a light demand. Diamond is quoted at 8c., and Jessop's at 13c.

TERNE PLATES.—The price is somewhat firmer here, due in a measure to an advance of 1s. per box in the primary markets, but no quotable change has taken place. Terne plates are not a seasonable commodity just yet, and the demand has not improved. The price remains at $7.75 to $8.

COIL CHAIN.—The market continues in an active state, and prices are firm. Stocks are becoming low in some sizes and an advance in the price is by no means unlikely. At present there is no change to note. We quote as follows: No. 6, 12½c.; No. 5, 10½c.; No. 4, 10c.: No. 3, 9½c.; ¼-in., 7¼c. per lb.; 5-16, $4.80 ; 5-16 exact, $5.25 ; ⅜, $4.25 ; 7-16, $4.05 ; ½, $3.85 ; 9-16, $3.75 ; ⅝, $3.55 ; ¾, $3.50 ; ⅞, $3.45 ; 1-in., $3.45. In carload lots an allowance of 10c. is made.

SHEET ZINC.—We quote $5.75 to $6.25.

ANTIMONY.—The market is dull. The price is 10c.

ZINC SPELTER.—There has been no improvement in the demand, which is still very light. We quote 5c.

SOLDER.—In solder there is a good business doing at steady prices. The price of bar solder is 18c., and of wire solder, 20c.

PAINTS AND OILS.

A change for the better has come over the paint and oil trade. Business started off with a tremendous volume, and with the advent of March a large number of orders were received by the leading manufacturers, all of whom seem to be going along at a quick step. In view of such conditions it is almost unnecessary to say that prices are firm in all lines. Liquid paints, especially, are in good demand. On account of the high price and scarcity of linseed oil some makers are thinking of asking an advance in the present price of ready-mixed colors, and if such a movement be general, it will be advisable for hardware merchants who make a specialty of this branch of the trade to look well forward for their supplies. Bridge and construction paints, such as oxides, graphites, and black japans are being largely inquired after, and a good, healthy tone seems to permeate the whole of this trade in this market.

Linseed oil is reported to be somewhat easier on the primary markets, but the change has not been pronounced enough

to warrant any change in the local market. At all events, there is little to justify anyone in taking a lower price here. Turpentine continues to fluctuate, but the market shows no decided tendency either up or down. We quote :

WHITE LEAD.—Best brands, Government standard, $5.87½; No. 1, $5.50 ; No. 2 $5.12½ ; No. 3, $4.75 ; No. 4, $4.37½ all f.o.b. Montreal. Terms, 3 per cent. cash or four months.

DRY WHITE LEAD—$5.25 in casks ; kegs, $5.50.

DRY WHITE ZINC — Pure dry, 6¼c. ; No. 1, 5¼c. ; in oil, pure, 7¼c. ; No. 1, 6¼c. ; No. 2, 5¼c.

PUTTY — We quote : Bulk, in bbls., $1.90 per 100 lb. ; bulk, in less quantity, $2.05 ; bladders, in bbls., $2.25 ; bladders, in 100 or 200 lb. kegs or boxes, $2.40 ; in tins, $2.55 to $2.65 ; in less than 100-lb. lots, $3 f.o.b. Montreal, Ottawa, Toronto, Hamilton, London and Guelph. Maritime Provinces, 10c. higher, f.o.b. St. John and Halifax.

ORANGE MINERAL—Casks, 7c. ; 100 lb. kegs, 7¼c. ; smaller quantities, 8¼c.

RED LEAD — Genuine red lead in casks, $4.50 ; in 100-lb. kegs, $4.75 ; less quantities, $5.75 per 100 lb. No. 1 red lead, casks, $4.25 ; kegs, $4.50, and smaller quantities, $5.50.

LITHARGE—Ground, casks, 5c. ; less, 5½c. ; flake litharge, casks, $5.25 ; smalls, $5.75 per 100 lb.

LINSEED OIL.—Raw, 80c.; boiled, 83c. In 5 to 9 bbls., 1c. less ; 10 to 20 bbl. lots open, net cash, plus 2c. for four months. Delivered anywhere in Ontario between Montreal and Oshawa at 2c. per gal. advance and freight allowed.

TURPENTINE.—Single bbls., 67c. ; 2 to 4 bbls., 66c. ; 5 bbls. and over, open terms.

SHELLAC VARNISH — Pure white, $2.35 to $2.45 ; orange, $2.25 to $2.35.

MIXED PAINTS—$1.20 to $1.45 per gal.

CASTOR OIL—8¾ to 9¼c. in wholesale lots, and ½c. additional for small lots.

SEAL OIL—47½ to 49c.

COD OIL—32½ to 35c.

PARIS GREEN — Petroleum barrels, 16¾c. per lb.; arsenic kegs, 17c.; 50 and 100-lb. drums, 17½c.; 25-lb. drums, 18c. ; 1-lb. packages, 18½c.; ½-lb. packages, 20½c.; 1-lb. tins, 19½c.; ½-lb. tins, 21½c. f.o.b. Montreal. Terms : 3 per cent. 30 days, or four months from date of delivery.

SCRAP METALS.

The scarcity of all kinds of iron continues to be the only feature in the scrap metal market. Cast iron cannot be obtained. A moderate business is being done, though the market is not as active as the season warrants. We quote : Heavy copper and wire, 11½c. per lb. ; light copper, 9c,; heavy red brass, 11c. ; heavy yellow, 9c.; light brass, 6c.; lead, 2⅜ to 2⅝c.; zinc, 2 to 2¼c.; iron, No. 1 wrought, $17 ; machinery scrap, $16 ; stove plate, $9 to $11 ; light iron, No. 2, $7 per ton ; malleable and steel, $4 ; rags, country, 60 to 70c. per 100 lb.; old rubbers, 6 to 6½c. per lb.

GLASS.

There is nothing new to report in the situation of glass. A good trade is doing at firm prices. We quote as follows: First break, 50 feet, $2.10 ; second, $2.20 for 50 feet ; first break, 100 feet, $4.00 ; second break, $4.20 ; third break, $4.70 ; fourth break, $4.95.

HIDES.

The market is dull. Prices are steady, as follows : No. 1 hides, 7c.; No. 2, 6c.; No. 3, 5c. Lambskins, 65c.

MONTREAL NOTES

British manila rope has advanced ½c.

ONTARIO MARKETS.

Toronto, March 7, 1902.

HARDWARE.

THE warm spring-like weather of the past week has had quite a stimulating effect upon the wholesale hardware trade, and the quietness which characterized the shipping rooms of the various firms has given place to a decided activity. The demand is good for such seasonable lines as horse clippers, clipping machines, pruning shears, sprayers, spray pumps, barb wire, plain galvanized wire, manure forks, corn planters, game traps, etc. There is a moderate demand for wire nails. Bolts, rivets and screws are all going out fairly well. Very little is being done in horseshoes and horse nails. One feature of trade this week is the rather good quantities of hardware that are being shipped to points in New Ontario, the desire evidently being to get the goods in before the roads break up.

BARB WIRE.—A number of shipments are going forward this week. We quote : F.o.b. Cleveland, $2.77½ for less than carlots, and $2.65 for carlots. From stock Toronto, $3.

GALVANIZED WIRE.—There is quite a good movement in this line. Our quotations are as follows : Nos. 6, 7 and 8, $3.50 to $3.85 per 100 lb., according to quantity ; No. 9, $2.85 to $3.15 ; No. 10, $3.60 to $3.95 ; No. 11, $3.70 to $4.10 ; No. 12, $3 to $3.30 ; No. 13, $3.10 to $3.40 ; No. 14, $4.10 to $4.50 ; No. 15, $4.60 to $5.50 ; No. 16, $4.85 to $5.35 Nos. 6 to 9 base f.o.b. Cleveland are quoted at $2.52½ in less than carlots and 12c. less for carlots of 15 tons.

SMOOTH STEEL WIRE.—There is some demand this week for hay-baling wire, but very little is being done in this line. The base price is $2.60 per 100 lb. Oiling, 10c.; coppering, 60c.;and tinning, $2 per 100 lb. extra. Delivery points Toronto, Hamilton, London and Montreal, with freights equalized on those points.

FINE STEEL WIRE.—There is a little being done. Discount is 22½ per cent.

WIRE NAILS.—The movement is steady although not large. Prices are steady and unchanged. Our quotations are as follows : $2.55 for less than carlots and $2.50 for carlots. Delivery points, Toronto, Hamilton, London, Gananoque and Montreal.

CUT NAILS.—Trade is still quiet. The base price is $2.35 per keg, with 7½c. allowance on carlots.

HORSE NAILS.—There is very little doing. Discounts are as follows : "C" brand, oval head, 50 and 7½ per cent., and on "M" and other brands, 50, 10 and 5 per cent. Countersunk head 60 per cent.

HORSESHOES.—Business is only light. We quote f.o.b. Toronto as follows : Iron shoes, No. 2 and larger, light, medium and heavy, $3.60 ; snow shoes, $3.85 ; light steel shoes, $3.70 ; featherweight (all sizes), $4.95 ; iron shoes, No. 1 and smaller, light, medium and heavy (all sizes), $3.85 ; snow shoes, $4 ; light steel shoes, $3.95 ; featherweight (all sizes), $4.95.

SCREWS.—A fairly good movement is to be noted this week. The discounts are as follows : Flat head bright, 87½ and 10 per cent.; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.; round head bronze, 65 per cent., and flat head bronze 70 per cent.

RIVETS AND BURRS.—Business is fair. We quote : Iron rivets, 60 and 10 per cent.; iron burrs, 55 per cent.; copper rivets, with usual proportion of burrs, 45 and 10 per cent.; copper burrs alone, 30 and 10 per cent.

BOLTS AND NUTS.—A good trade is being done this week and prices are firm. We quote : Carriage bolts, common (S1 list), 55 and 5 per cent.; carriage bolts, full square ($2.40 list), 60 and 5 per cent.; carriage bolts, Norway iron ($3 list), 60 and 5 per cent.; machine bolts, all sizes, 55 and 5 per cent.; coach screws, 70 per cent.

ROPE.—An advance of ½c. per lb. has taken place in the price of British manila, making the figure 14c. Sisal lead cord is 20 per cent. higher, and we quote 3 cord as follows : 48 ft., 65c.; 60 ft., 80c.; 72 ft., 95c. per dozen. We quote : Pure manila, 16c.; British manila, 14c.; sisal, 12½c.; lathyarn, 11c.

PINE TAR. The makers of pine tar have advanced their prices 10 per cent., and we quote ½-pint tins at $7.80 and 1-pint tins at $9.60 per dozen.

MILK-CAN TRIMMINGS.—Business is good and discount unchanged at 25 per cent.

SAP BUCKETS. The movement in sap buckets is brisk. The discount is 40 and 10 per cent.

EAVETROUGHS.—Business is fairly active. We quote 10-in. at $3.10 per 100 feet.

SCREEN DOORS AND WINDOWS.—

We have on hand a large stock of steel sheets for making

EMBOSSED CEILINGS,

etc., and are now prepared to make prompt shipment of anything required in our line, and shall be pleased to receive your orders which shall have our best attention.

The Metallic Roofing Co.
LIMITED
Wholesale Manufacturers
TORONTO, - - - CANADA

Shipments are not yet being made and not many orders are coming forward. Common doors, 2 or 3 panel, are quoted f.o.b. factory points as follows: Walnut, stained, 3-in. style, $6.80 per dozen; stained, yellow, $7; natural color, oil finish, $8.15; 4-in. style, 20c. extra per dozen. Windows: No. 0, $1.60; No. 1, $1.70; No. 2, $1.95; No. 3, $2.10; No. 4, $2 50 per dozen.

GREEN WIRE CLOTH. Very little of this is being shipped. We quote $1.25 per 100 square feet.

SPADES AND SHOVELS.—These are moving out fairly well this week. Discount 40 and 5 per cent.

HARVEST TOOLS.—A big demand has developed during the week for manure forks, and country dealers are pressing for prompt shipments. Discount 70 per cent.

BUILDING PAPER.—Quite a few orders are coming in and a good many shipments are being made. We quote: Dry sheathing, grey or straw, 30c. per roll; tar sheathing, grey or straw, 40c. per roll; dry fibre, 50c. per roll; tarred fibre, 60c per roll.

CUTLERY.—A steady trade is to be noted this week.

SPORTING GOODS.—Some of the manufacturers in the United States are advancing their prices on Flobert rifles and single barreled guns about 10 per cent. Local wholesalers report that large quantities of game traps are being shipped this week.

LAWN MOWERS.—Some business is being done. We quote: Discount on high wheel mowers, 50 per cent.; "Star" mowers, 9 in. wheels, $2.50 to $3; "Daisy" mowers, 17-in. wheels, $2.25 to $2.50.

WHEELBARROWS.—Jobbers are advancing their prices on navvy barrows. The manufacturers advanced their figures some time ago. We quote full-bolted at $18 per dozen, for wood wheels, and $21 for iron wheels.

CHAIN.—There is quite a good movement in this line this week.

CHURNS.—Quite a number of orders are being received this week.

CEMENT.—Trade still continues to improve. We quote: Canadian Portland, $1.90 to $2.65; English, $3; German, $3.15; Belgian, $2.50 to $2.75; Canadian hydraulic, $1 25 to $1.50 per bbl.

METALS.

The condition of the iron and steel market continues strong and healthy. The demand for sheet metals is good both on import account and for shipment from stock.

PIG IRON. The market is still strong and business steady. We quote: Canadian pig, $19 for No. 1, and $18.25 to $18.50 for No. 2 on track, Toronto.

BAR IRON.—Prices have advanced $2 per ton in the United States, but while no change has been made here prices are firm. The demand for bar iron is fair. The base price is $1.95 to $2.05. Extras cut to length while rolling: 2 ft. and over, 10c. per 100 lb.; 1 ft. and under 2 ft., 15c.; under 1 ft., 20c.; over 20 ft. by special agreement, according to length and size.

STEEL.—The situation in steel continues strong and the difficulty of getting delivery is still a feature of the trade. In the United States steel bars have been advanced $2 per ton since our last review of the market. Quotations by Toronto wholesalers are: Merchantable cast steel, 9 to 15c. per lb.; drill steel, 8 to 10c. per lb.; "B C" and "Black Diamond" tool steel, 10 to 11c.; Jessop's, Morton's and Firth's tool steel, 14c.; toe-calk steel, $2.85 to $3; tire steel, $2.30 to $2.50; sleighshoe steel, $2.10 to $2.25; reeled machinery steel, $3; hoop steel, $2.90.

BLACK SHEETS.—Local wholesalers are experiencing an active demand this week. We quote as follows: Common, $3.15 for 28 gauge; and dead flat, $2.50 for 26 gauge.

CANADA PLATES.—A good business is being done on import account, but from stock little is being done. We quote as follows: All dull, $3; half polished, $3.10; all bright, $3.75.

GALVANIZED SHEETS.—There is quite an active demand. A good business is being done on import account. We quote: "Queen's Head" brand at $4.50 in case lots, and $4.65 in less quantities.

TIN.—The outside markets are firm. On Wednesday London closed at an advance of 15s. on spot and 12s. 6d. on futures compared with the previous day. In Toronto during the past week business has been very fair, and quotations still rule at $28 to $29.

TINPLATES.—The demand continues good and stocks are being rapidly reduced. We quote I C at $4.25 per box.

TINNED SHEETS.—The demand has improved during the past week and a good business is now being done. We quote as follows: 72 x 30, up to 24 gauge, 7½c.; ditto, up to 26 gauge, 8c.

COPPER.—There is a good demand for ingot copper and a fair trade is reported in sheet copper. The outside markets are firmer. Locally, prices are unchanged. We quote: Half-and-half, guaranteed, 19c.; do. commercial, 18½c.; refined, 18c.; wiping, 17½c.

BRASS.—Trade is fair and the discount unchanged at 15 per cent.

PIG LEAD.—Business is active. Although the London market closed slightly lower on Wednesday the general market is strong. There is a heavy consumptive demand in the United States, and stocks there have been reduced to a minimum. Locally we still quote $3.50 to $3.75 for pig, and $5 for bar lead.

IRON PIPE.—Prices are firm and there is a fair demand. We quote: Black pipe, $5.40 for 1-in.; galvanized, $7.95 for 1-in.

ZINC SPELTER.—There is some trading in small lots. We quote $5.50 to $6 per 100 lb.

ZINC SHEET.—Only a fair amount of business is being done. We quote $6 to $6.25 in casks and $6.25 to $6.50 in part casks.

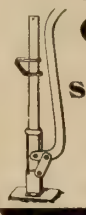
SOLDER. The demand is good. We quote: Half-and-half, guaranteed, 19c.; do. commercial, 18½c.; refined, 18c.; wiping, 17½c.

ANTIMONY.—There is a light demand for small lots at 10c. per lb. for Cookson's.

PAINTS AND OILS.

The market for raw and boiled linseed oil and turpentine continues strong, and prices are unchanged. Business has commenced recovering from its quietness of the past winter, and jobbers are busy on their spring orders. Mixed paints and white lead are quite active, while varnishes are active and firm, with an upward tendency, on account of the high prices which are now being asked for varnish gums. The White Lead Grinders' Association is at present holding a meeting to consider the

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.
'WELLINGTON' KNIFE POLISH
JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
Wellington Mills, London, England.
Agent:
JOHN FORMAN, 644 Craig Street
MONTREAL


COVERT MFG. CO.
West Troy, N.Y.
Steel Carriage and Wagon Jacks,
Harness Snaps, Chain, Rope and Web Goods, etc.
FOR SALE BY JOBBERS AT MFRS. PRICES.

PRIEST'S CLIPPERS


Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., U.S.A.

NEWMAN'S PATENT
INVINCIBLE FLOOR SPRINGS
Combine all the qualities desirable in a Door Closer. They work silently and effectually, and never get out of order. In use in many of the public buildings throughout Great Britain and the Colonies.
MADE SOLELY BY
W. NEWMAN & SONS, Birmingham.

Oneida Community Goods
HALTERS, COW TIES SNAPS, etc., etc.,
in all sizes and styles. May be had of all jobbers throughout Canada.
Factory—NIAGARA FALLS, ONT.

Persons addressing advertisers will kindly mention having seen their advertisement in The Canadian Hardware and Metal Merchant.

"PULLMAN"
TROUSER or SKIRT HANGERS.
TWO SIZES

PULLMAN SASH BALANCE CO.,
ROCHESTER, N.Y., U.S.A.

advisability of a change in prices. We quote :

WHITE LEAD—Ex Toronto, pure white lead, $5.87½; No. 1, $5.50; No. 2. $5.12½; No. 3, $4.75; No. 4, $4.37½ in pkgs. of 25 lb. and upwards; ½c. per lb. extra will be charged for 12½-lb. pkgs.; genuine dry white lead in casks, $5.12½.

RED LEAD—Genuine, in casks of 560 lb. $5.12½; ditto, in kegs of 100 lb., $5.50; No. 1, in casks of 560 lb., $4; ditto, kegs of 100 lb., $4.50.

LITHARGE—Genuine, 6 to 6½c.

ORANGE MINERAL—Genuine, 7½ to 8c.

WHITE ZINC—Genuine, French V.M., in casks, $6 to $6.25; Lehigh, in casks, $6.

BENZINE—In barrel lots, 16½c. per gal.; less quantities, 25c. per gal.

PARIS WHITE—90c. to $1 per 100 lb.

WHITING — 65c. per 100 lb.; Gilders' whiting, 80c.

GUM SHELLAC — In cases, 35c.; in less than cases, 40c. per lb.

LIQUID SHELLAC—Pure orange, in bbls., $2 25 to $2.35; white, $2.35 to $2.45 per gal.; in less quantities, 10c. extra.

PUTTY—Bladders, in bbls., $2.25; bladders, in 100 lb. kegs, $2.40; bulk in bbls., $1.90; bulk, less than bbls. and up to 100 lb., $2.05; bladders, bulk or tins, less than 100 lb., $2.90.

PLASTER PARIS—New Brunswick, $1.90 per bbl.

PUMICE STONE — Powdered, $2.50 per cwt. in bbls., and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in bbls.

LIQUID PAINTS—Pure, $1.20 to $1.30 per gal.

CASTOR OIL — English, in cases, 9½ to 10c. per lb. and 10 to 10½c. for single tins.

LINSEED OIL—Raw, 1 to 4 barrels, 82c.; boiled, 85c.; 5 to 9 barrels, raw, 81c.; boiled, 84c., delivered. To Toronto, Hamilton and London, 2c. less.

TURPENTINE—Single barrels, 68c.; 2 to 4 barrels, 67c., delivered. Toronto, Hamilton and London 1c. less. For less quantities than barrels, 5c. per gallon extra will be added, and for 5-gallon packages, 50c., and 10-gallon packages, 80c. will be charged.

GLASS.

Trade is quiet. The import prices are firm with a tendency to advance. The local stock prices are unchanged. We quote as follows: Under 26 in., $4.25; 26 to 40 in., $4.65; 41 to 50 in., $5.10; 51 to 60 in., $5.35; 61 to 70 in., $5.75; 71 to 80, $6.25; 81 to 85, $7; 86 to 90, $7 75; Toronto, Hamilton and London. Terms, 4 months, or 3 per cent. 30 days. Discount off pane price list, 33⅓ per cent.

OLD MATERIAL.

Trade continues fair with a good demand for the metals. Prices are unchanged. We quote as follows: Agricultural, 60c. per cwt.; machinery cast, 60c.; heavy copper, 10c½. per lb.; stove cast, 40c.; No. 1 wrought, 50c. per 100 lb.; new light scrap copper, 7½c. per lb.; bottoms, 8½c.; coil wire, 10c.; light brass, 5c.; heavy yellow brass, 7½c.; heavy red brass, 8½c.; scrap lead, 2¼c.; zinc, 2c.; scrap rubber, 6c.; good country mixed rags, 50 to 60c.; clean dry bones, 40 to 45c. per 100 lb.

NICHOLSON FILE CO.

FILES AND RASPS

WARRANTED



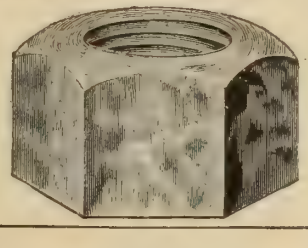
Largest Makers in the World.

FACTORIES AT
Providence, R.I.; Paterson, N.J.; Anderson, Ind.; Kent, Ohio; Beaver Falls, Pa.; Port Hope, Canada.

Nicholson's make of FILES and RASPS have a world-wide reputation for excellence of quality.

For Sale by all prominent Hardware Merchants.
DOMINION WORKS: DAILY CAPACITY 500 DOZEN.

WALTER GROSE, MONTREAL, Selling Agent.



THE JOHN MORROW MACHINE SCREW COMPANY, Limited

Manufacturers of

Set and Cap Screws, Special Milled Work, Engine Studs, Etc. Cold Punched Nuts of every variety of finish.

INGERSOLL, ONT.



FOR SALE

125 tons 65-lb. Relaying Steel Rails with plates.
475 tons 56-lb. Relaying Steel Rails with plates.
80 tons 25-lb. Relaying Steel Rails with plates.
30 tons 14-lb. Relaying Steel Rails with plates.

Correspondence Solicited. *IMMEDIATE DELIVERY.*

SESSENWEIN BROS., - Montreal

HIDES, SKINS AND WOOL.

There is a moderate demand for green and cured hides, and skins are steady. Wool is still quiet. We quote buyers' prices on arrival:

HIDES—We quote: No. 1, green, 7c.; No. 2 green, 6c.; No. 1 green, steers, 8c.; No. 2 green, steers, 7c.; cured, 7¾ to 8c.

SKINS—We quote: No. 1 calfskins, 9c.; and No. 2, 7c.; deacons (dairies) 55 to 60c. each; sheepskins, 65 to 80c.; deerskins, 12½ to 14c. per lb.

WOOL—We quote: Fleece, 13c., and unwashed, 7 to 8c. per lb.

SEEDS.

Owing to the heavy roads, the receipts of red clover and alsike have been greatly diminished, and prices have accordingly been advanced 15c. per bush. for red clover and 25c. for alsike. The market is steady at these prices. We quote buying price at outside points: Red clover, $4.50 to $4 75; alsike, $7.25 to $8.25, and timothy, $2.50 to $3 25 per bush.

COAL.

The recent washouts in the United States have resulted in such a delay that exporters are a week behind with their orders, consequently making the strigency here the greater. The local supply of soft and hard coal is small. Prices are nominal. We quote at international bridges as follows: Grate, $4 75 per gross ton; egg, stove and nut, $5 per gross ton; soft coal, $2.50 to $3.25 in bond, according to grade.

PETROLEUM.

There is a fair demand, and prices are unchanged. We quote: Pratt's Astral, 16½ to 17c. in bulk (barrels, extra); American water white, 17 to 17½c. in barrels; Photogene, 16½ to 17c.; Sarnia water white, 16 to 16½c. in barrels; Sarnia prime white, 14½ to 15c. in barrels.

MARKET NOTES.

Sisal bed cord is about 20 per cent. higher.

"British Manila" rope is ½c. per lb. higher at 14c.

H. S. Howland, Sons & Co. are in receipt of shipments of Boker's razors and Wostenholm's pocket knives.

Some of the manufacturers in the United States are advancing their prices on Flobert rifles and single-barrel guns 10 per cent.

NOVA SCOTIA MARKETS.

Halifax, N.S., March 4, 1902.

A WEEK ago I reported that the hardware trade was brightening up, and during the last week there have been abundant signs that the trade has almost overcome the usual mid-winter dullness, and everything is looking well for the spring trade. The wholesalers are getting in large importations of their spring stock and making up advance orders ready for early spring shipment. Orders are coming in of considerable value and in good number, and the prospects are considered unusually bright.

* * *

The mild weather and the apparent breakup of winter has opened up all the ice-closed shore ports and the fishermen are overlooking their boats and gear and have commenced to order the necessary supplies somewhat earlier than usual. This creates quite an activity among those merchants who make a specialty of fishing gear and supplies.

* * *

Considerable hardware was thrown on the market last week, consisting of tinplates, chains, and other iron and steel material, from the cargo of the wrecked steamer Grecian. The auctioneer, however, was accommodating and everything was sold in large lots, thus throwing it into the hands of the regular dealers, and there will be no reduction in price to affect this market except in the case of damaged goods.

* * *

Prices are firm and materially unchanged owing to the firmness of the iron and steel markets of the United Kingdom and the United States. So great is the demand abroad that Mr. James Ross, manager of The Dominion Iron and Steel Co., Sydney, has announced that it is not material just now to the success of that industry that the company should either run its blooming mills for the manufacture of steel ingots, or the mill for manufacture of steel rails. The company can, he says, find a market for their steel billets faster than they are turned out.

* * *

Building operations are largely contemplated throughout the Provinces this summer, and the demand for builders' hardware continues fair and will increase steadily. Prices are firm: Cut nails, $2.35 base; wire, $2.55. Dealers expect these to advance slightly within the next month.

* * *

Though tinware has largely gone out of use for kitchen utensils, being replaced by enamelled ware, and the greater quantity of tin goods is bought ready-made, there is a large demand for tinplates through the lobster-packers, who make up their spring stock during the winter months. This demand is now about over for heavy orders, but the prices remain firm at regular quotations: $4 to $4.25 for I C coke; $4.50 for I C charcoal; $5 for I X charcoal.

* * *

Linseed oil remains firm at prices last quoted, 85 and 88c. for raw and boiled respectively. The demand is fair and there is considerable stock in this market. Prices are not expected to be lower until the seed-crop in Argentina and other localities is definitely figured up. Reports anticipate quite a shortage.

* * *

The demand in building paper is good, consequent on conditions already noted. Regular stock is quoted at $1.80 per 100 lb. for tarred, and 35c. a roll for dry. These prices are some 5c. lower than prices quoted a month ago.

* * *

As a general rule the retail trade is brightening up and there is every prospect of a good spring business ahead for both wholesale and retail.

R. C. H.

SARNIA BOARD OF TRADE.

At the annual meeting of the Sarnia, Ont., Board of Trade, President A. D. McLean in the chair, communications were received from the Toronto Board of Trade recommending that Great Britain adopt a preferential tariff for wheat and all other grains produced within the Empire; and also from the Windsor Board of Trade recommending the abolition of fees for overtime for Customs officials. It is claimed that such fees are a hardship to local corporations and private individuals.

The treasurer's report showed that after paying all accounts there was a balance of $177.02 in the treasury.

The officers elected for 1902 were as follows:

President—A. D. McLean.
Secretary—C. S. Ellis.
Treasurer—F. J. Winlow.

The 1901 council was elected for 1902.

Secretary Ellis was instructed to correspond with the F. & P. M. Railway relative to crossing connections at Sarnia, and with the M. C. R., requesting them to come to Sarnia.

W. J. Proctor urged the board to make representations to the stockholders of the Grand Trunk Railway in England regarding the way that railway's management is taking everything away from Sarnia and making Port Huron the principal terminal. Even the local trains going east now start from Port Huron. This was done to extort fees for the passage of trains through the tunnel.

It was stated that the new elevator which the Grand Trunk is building at Point Edward will not be completed this year, and it was thought that something ought to be done to secure this elevator for Sarnia.

UNJUST FREIGHT RATES.

Some time ago action was taken against the White Pass & Yukon Railway Company by a Victoria, B.C., firm for the recovery of freight and passenger rates, which that railway had illegally extorted from them owing to their tariff not being approved by the Dominion Government, and also because these rates are alleged to be unjust and extortionate.

Justice Martin, of the Supreme Court, has decided that a right of action exists against the railway on this head under the Railway Act. Consequently three more writs have been issued by Victoria firms. These are on behalf of the Upper Yukon Consolidated Company, Joseph Clearihue and J. St. Clair Blackett & Co. The claim of the latter firm is $40,000.

So far the total amounts sued for are over $300,000, and in addition the Victoria-Yukon Trading and Transportation Company is bringing in a claim for $100,000. It is estimated that when all the firms have taken action, the writs issued in Victoria alone against the railway will bring the total up to three-quarters of a million dollars. These cases are all expected to be tried at the March Assizes.

HORSE NAILS

Are like other articles:—"You pay your money and you take your choice." If you want the best Horse Nails, you have to pay the best price, simply because the best article costs the most to produce. We could make "low-priced" Horse Nails as well as any other maker in Canada, but it would be at the sacrifice of quality. We have been loyally supported by the trade in our endeavors to make only the best, and we offer the **"C"** brand, made by this Company since 1865, as representing the perfection of Horse-Nail manufacture in this country.

They are made exclusively from the best obtainable imported Swedish Charcoal Mild Steel Nail Rods, which are hot hammer forged, giving all the good qualities of the old-fashioned hand-made Nail, but with greater uniformity. The difference between the cost of our Nails and the low-priced inferior goods sold only represents a trifle in the Nails used in shoeing a horse. One-third of one cent is the difference on a set of shoes, when the difference in price is one cent per pound.

Don't sacrifice quality; support the manufacturer who is trying to make the best goods. Order from your wholesale dealer the **"C"** brand made by the

Canada Horse Nail Company,

. . . MONTREAL.

LEADER Cchurn

New Century Improvements

FOUR DIFFERENT STYLES:

A—Steel Frame with double reversible Steel Lever.
B—Wood Frame with double reversible Steel Lever.
C—Steel Frame with Crank.
D—Wood Frame with Crank.

Styles **A** *and* **B** *may be operated from a sitting or standing position.*

Steel Frames and Hoops beautifully ALUMINIZED.

All LEADER CHURNS are equipped with BICYCLE BALL BEARINGS and PATENTED CREAM BREAKERS.

Stands are so constructed that they are particularly strong and rigid, and there is nothing to interfere with the placing of pail in the most convenient position for draining off buttermilk.

It Pays to Have the Best. None are Better Than the Leader.

THE DOWSWELL MANUFACTURING CO.,
HAMILTON, ONT. Limited.

Eastern Agents: W. L. Haldimand & Son, Montreal, Que.



The New Century Washing Machine



IT LOOKS EASY.
IT IS EASY.

Steel Ball Bearings, same as used in High-Grade Bicycles, and strong tempered steel spiral springs render it so. No machine on the market approaches it in simplicity, ease, quickness, or thoroughness.

Equally well adapted for use in Public Institutions, Hotels, Laundries, or the Home.

The operator does most effective work while seated. Splashing impossible.

Quick Seller. **Once Inspected, Soon Selected.**

FREE INSURANCE AGAINST FIRE

PLASBESTER

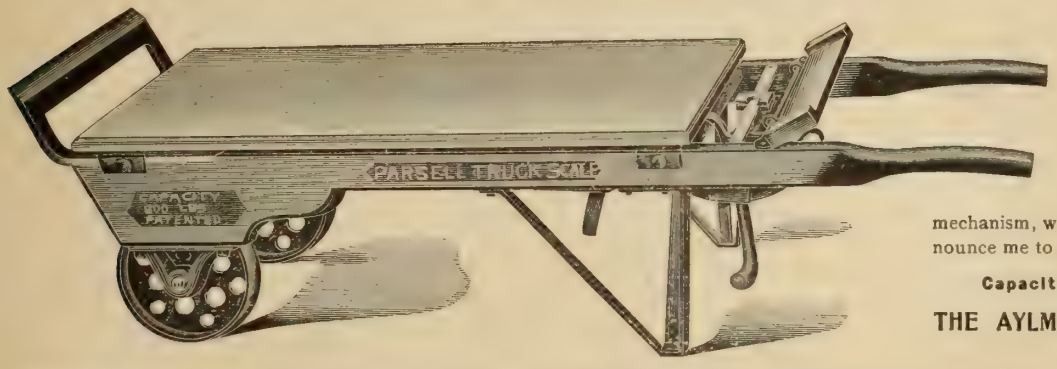
AGENTS WANTED IN EVERY TOWN.

the BEST ASBESTOS WALL PLASTER

Fire Proof
Frost "
Sound "
Will not crack.

I AM THE

PARCELL DROP LEVER TRUCK SCALE.



I HAVE no connection or relationship with any other Truck Scale. Do not condemn me because some other Truck Scale was not right, but give me a chance to prove to you that I am the most convenient scale made, and that I am perfectly correct and a first-class piece of mechanism, which I must be, as good inspectors pronounce me to be a first-class article.

Capacities: 800 lb., 1,200 lb., 1,600 lb.

THE AYLMER IRON WORKS CO., Limited
AYLMER, ONT.

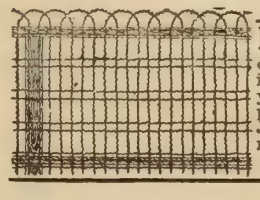
SEED CORN

FIELD VARIETIES ONLY.

ALSO WHITE BEANS

IN CARLOTS AND LESS.

Write FRED. B. STEVENS & CO., Chatham, Ont.



Page Metal Ornamental Fence. We now make fence that is ornamental, very showy and surprisingly cheap. It is just what is wanted for door yards, division fences in town lots, grave yards, orchards, etc. It is painted and retails at only **20 cts. PER RUNNING FOOT.** Just think of it. Let us send you full particulars. We also make farm fence, poultry netting, nails and staples.

The Page Wire Fence Co., Limited, Walkerville, Ont. 8

LABELS

Every Description, Shape and Colors

Stock Labels for Hardware trade

LEVY & CO., 19 Leader Le., **TORONTO**

DON'T ALLOW

the chance passer-by to occupy your telephone line any more than you would allow him to block the entrance to your store. When you do allow it, others must be told your

"LINE'S BUSY"

PUBLIC TELEPHONE STATIONS ARE FOR THIS CLASS OF BUSINESS.

THE BELL TELEPHONE CO., OF CANADA

BRITISH BUSINESS CHANCES.

Firms desirous of getting into communication with British manufacturers or merchants, or who wish to buy British goods on the best possible terms, or who are willing to become agents for British manufacturers, are invited to send particulars of their requirements for

FREE INSERTION

in "Commercial Intelligence," to the Editor

'SELL'S COMMERCIAL INTELLIGENCE,'

Temple House, Tallis St., Temple Avenue, London, E.C.

"Commercial Intelligence" circulates all over the United Kingdom amongst the best firms. Firms communicating should give reference as to bona fides.

N.B.—A free specimen copy will be sent on receipt of a post card.

Mr. D. G. Bell, of Bell & McEachern, general merchants, Stayner, Ont., was in Toronto this week for a few days. He said that while the recent storms had interfered with business a great deal, trade conditions were now much improved, and the outlook was bright.

GALT BOARD OF TRADE.

A MEETING of the Galt Board of Trade was held on February 27, when a report of the present condition of beet-sugar affairs in that centre was presented. The beet-sugar committee reported progress, and said that things were in a satisfactory shape.

F. Stewart Scott gave an account of his visit to Ottawa. He was a member of the deputation that waited on the Government, asking that for one year longer machinery for the manufacture of beet sugar be admitted free, and also requesting the imposition of countervailing duties against bounty-fed sugar.

Resolutions were received from the Toronto Board of Trade, stating that any tax imposed by Great Britain on outside productions should be so levied as to grant a preference to the colonies within the Empire; from the Brantford Board of Trade, asking for a revision of the tariff to preserve our markets from unfair competition, and from the Orillia Board of Trade, praying for preferential trade within the colonies.

THE WATER PAIL FORGE.

The idea must necessarily strike one as inconsistent that metals may be heated to a welding heat by dipping them in water, yet this in substance is what is accomplished by the strange "Water Pail Forge" of Lagrange and Hoho. It was discovered by these two experimenters that if an electric circuit was closed by dipping the negative terminal into a conducting liquid, the cathode or negative terminal became very hot, and would melt if the voltage was as high as 125 volts. In fundamental principle, it amounts simply to a means of transforming one form of energy into another, electricity into heat.

Burton found, after exhaustive experiments, that the best liquid was a solution of 10 parts of carbonate of soda and one part of borax dissolved in water until the specific gravity of the solution is 1.16 at 70 degrees Fahrenheit.

In February, 1894, Burton lectured in Boston. He used a wooden water pail containing the above solution, and in the bottom of the pail he placed a large lead sheet, which was made the positive pole. The negative pole consisted of an iron bar placed across the top of the pail. The current was taken from the street car mains, and had a voltage of about 240. The depth to which the metal was submerged was the only way to regulate the strength of the current. The metal to be heated or welded was placed in contact with the iron bar which was one terminal, and then on sliding the piece into the solution the circuit was completed, and the metal became hot. It required 4 seconds to heat nails to a welding heat, and 1 minute to heat a large soldering iron to a bright red.

The advantage of the forge lies in its convenience and the fact that the iron does not scale. Welds can be made in the liquid, or the pieces can be heated in the liquid and then welded upon the ordinary anvil. This forge may have a great future before it, but at present the cost of the electric current is too great and the imperfections of the forge too numerous to admit of putting it to practical use.—American Blacksmith.

700 TONS OF RAILS A DAY.

The Toronto Globe of March 7 said: "A visitor to the Parliament Buildings yesterday was Mr. F. H. Clergue, the well-known Sault Ste. Marie capitalist. Mr. Clergue said to a representative of The Globe that his visit was for the purpose of inviting the members of the Government to visit the Soo and witness the process of steel-making in his new plant, which, he said, would be turning out 700 tons of steel rails per day by the end of the month. He said that there were now 6,000 men employed in the syndicate's various works, and that that number would probably be increased to 10,000 by midsummer. Surveys on the Manitoulin & North Shore Railway had been completed, and the line would by fall be built from Meaford to Owen Sound at the south end, and from Sudbury to Little Current at the north end. He also stated that the line had been almost located from Sudbury to Sault Ste. Marie, paralleling the Soo branch at a distance of from 30 to 50 miles to the north. Three thousand men were now at work on the Algoma Central Railway, and he expected that its whole length of 225 miles would be completed before the end of the season. Arrangements had been made for bringing out 3,000 Scandinavian settlers this spring, which he hoped to repeat annually for some years to come."

"IRON AND STEEL" CHANGES HANDS.

Iron and Steel, a publication which for 40 years has represented the iron and steel industry of Chicago and vicinity, was issued on March 1 under new ownership. The Bruce V. Crandall Company are the new proprietors, and an effort is to be made to make Iron and Steel even more interesting and valuable to the trade it represents than before. Improvements, in fact, are already noticeable.

THE LATE MR. D. J. M'ARTHUR.

Mr. David J. McArthur, president of Colin McArthur & Co., Montreal, died at his residence in that city, 52 Park avenue, on Wednesday morning, February 26. He had been suffering for about a month from an attack of pneumonia, and it was this that caused his death.

Mr. McArthur was a comparatively young man, having been born in Glasgow, Scotland, in 1861. When still a young boy he came to Canada with his father, the late Colin McArthur. He subsequently went into the business conducted by his father, and when the latter died, a few months ago, he became president of the company.

A widow and three young children survive him. The funeral, which took place on Friday, February 28, was very largely attended by the employes of the firm, as well as many of Mr. McArthur's friends, of whom he had made a great number in both his business and social relations.

WALKERTON BOARD OF TRADE.

The annual meeting of the Walkerton Board of Trade was held on February 27, when the following officers were elected:

President—L. C. Benton.
Vice-President—H. A. Havill.
Secretary—D. Traill.
Treasurer—J. W. Bundy.
Council—Messrs. Truax, Hefferman, Huether, McIntyre, Munroe, Robertson, Vogan and Lembke.

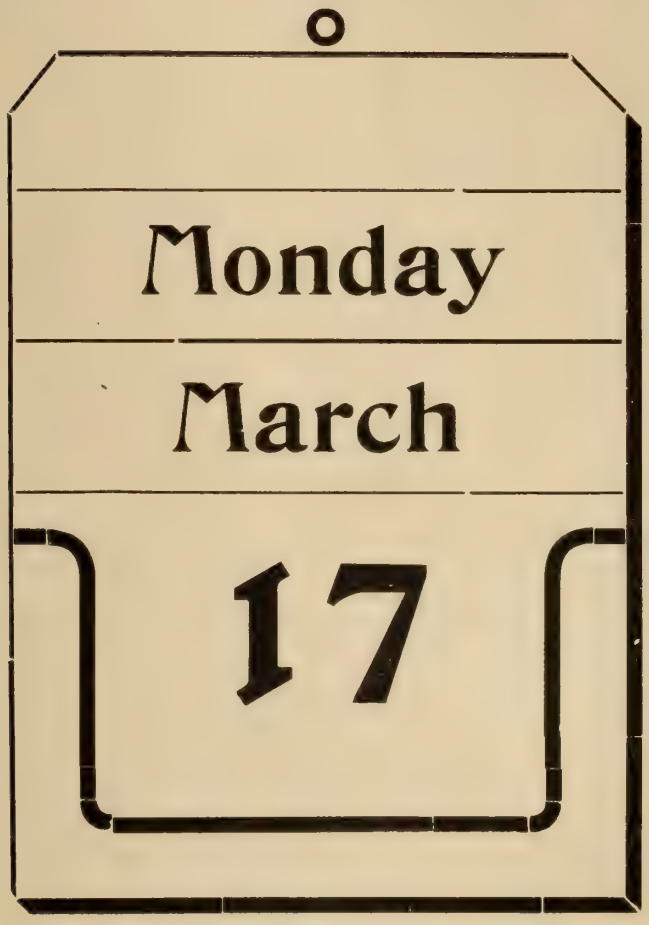
A SOLAR MOTOR.

From an engineering point of view, says A. G. Miner in Shop Talk, the solar motor erected at the ostrich farm at South Pasadena, Cal., is of quite an interest. This means of utilizing the heat energy which comes from the sun is the outcome of many investigations and experiments in that line and is only one of the various means that have long been experimented with to utilize the earth's natural forces. Tidal machinery is another one of these power-developing ideas. Properly utilized this form of motor should serve to somewhat allay the fears of those who predict the exhaustion of the world's coal supply and the subsequent end of the world.

The reflector is in the shape of a huge open umbrella, 32 feet in diameter. The parabolic reflecting surface, 640 square feet, is always automatically turned toward the sun by means of clock work, so that the rays are focussed in rings on the central tube or boiler, which takes the place of the stick in the umbrella. The boiler is a tubular one holding about 100 gallons of water. At a test 192 lb. of water per hour was evaporated, forming steam of 150 lb pressure. The boiler is used to supply steam for pumping water for irrigating purposes, and at this test the pumps delivered 1,400 gallons of water per minute against a head of 12 feet.

Naturally, the efficiency of the motor is decreased in the absence of direct sunshine, but it generates steam nevertheless, and is located in a country where the sun is to be depended upon. It is rated at about 15 horsepower and cost approximately $2,500.

Memo.



The Latest Date on which intending Advertisers can secure the advantage of inserting their advertisements in the **Special Spring Number** is indicated above.

Date of Publication MARCH 22nd

HEATING AND PLUMBING

AN IMPORTANT JOB FINISHED.

THE Bennett & Wright Co., Limited, Toronto, have completed their contract for the plumbing, heating and electric wiring of the new free consumptive hospital at Gravenhurst, Ont. There are over 300 electric lights and 120 hot water radiators installed in that building, which are supplied with steam at a low pressure from a 45-horse-power boiler in the basement, conveyed by over 3,000 feet of piping.

In the whole building there are eight bathrooms. These are equipped with porcelain baths, 5 ft. 6 in. x 2 ft. 6 in., of most approved design, and syphon jet-water closets, a type which is considered most sanitary. In this hospital there are also 25 water basins all handsomely fitted up.

Two large tanks of several hundred barrels capacity are situated at the top of the building, and supply the water to the bathrooms, etc. An hydraulic ram, about 500 yards away from the building, furnishes the water supply.

What is known as the Geo. S. Waring system has been adopted for the disposal of the sewage. This consists of a settling chamber, a discharge chamber and an automatic flushing syphon jet, all at a considerable distance from the structure. This syphon periodically discharges the liquid sewage into agricultural tiles, which cover an area of three acres, where it is disposed of.

The Bennett & Wright Co., Limited, have also been doing work on the present main Sanitorium, Gravenhurst.

PLUMBING AND HEATING CONTRACTS.

Purdy, Mansell & Co., Toronto, have secured the contract from the Ontario Government for the heating of the new physical and biological laboratory at the Ontario Agricultural College, Guelph, and the plumbing and heating of the new Collegiate Institute at Cobourg, Ont.

HOW TO TEMPER AND HARDEN TAPS.

A successful method of tempering and hardening taps is described by W. B. Allen in The American Blacksmith :

The completed tap is first brought to a blood red and even heat. Dissolve a handful of salt in a bucket of clean water, set the water to whirling by stirring in it a stick and thrust the heated tap vertically into the votex of the whirlpool.

The tap is to be drawn to a straw color. Heat a piece of cast iron tube to a dull red heat. The tap is then to be held in the centre of the tube and carefully turned until the proper color is produced. Quenching will fix the color and finish the tap.

BUILDING PERMITS IN TORONTO.

BUILDING permits in Toronto during the week have been granted as follows : W. Keeler, for a two-storey brick dwelling on 92, alterations to dwelling on 94 and a brick and roughcast dwelling on 96 Givens street, for $2,000 ; John Westcoth, for five attached two storey brick stores on Fuller street, for $4 000 ; Samuel Carruthers, for a pair of one-storey and mansard brick-front and roughcast dwellings on Gerrard street, for $1,900 ; T. Granthan, for alterations to his dwelling on 255 Ontario street, consisting of a brick front and planking cellar, for $150 ; Arthur J. Moody, for a two-storey brick and roughcast dwelling on 198 Hamilton street, for $1,000 ; E. Howard, for a two-storey brick detached dwelling on 63 Walker avenue, for $2,400 ; Wm. & J. G. Greey for a three-storey brick addition to their warehouse in rear of 51 Front street east, for $800 ; Mrs. M. Roberts, for a two storey detached roughcast dwelling on 175½ Howland avenue, for $850 ; J. S. Montgomery, for a pair of semi-detached two-storey and attic brick dwellings on Euclid avenue, for $6,000 ; W. F. Langlois, for a two storey roughcast stable in rear of 18 Gordon street, for $300 ; W. G. Magennis, for a two-storey frame and roughcast dwelling on Pearce avenue, for $400 ; Bates & Dodds, for alterations and additions to warehouse in rear of 931 Queen street west, for $450 ; Mrs. L. H. McFadden, for a brick and frame mansard roof to dwelling on Carlton street, for $250 ; Thomas Wright, for a detached two storey and attic brick dwelling on Chicora avenue, for $3 400 ; Mrs. Wm. Atkinson, for a pair of brick and stone two-storey semi-detached dwellings on Clarens avenue, for $3,000 ; John Melding, for a detached two-storey brick dwelling on College street, for $1,500.

The Fairchild Co., Limited, will erect a large brick and stone receiving, storage and shipping warehouse four storeys in height, at Winnipeg.

SOME BUILDING NOTES.

A new separate school is to be built at Parkdale, Toronto.

D. W. Teetzel is erecting a brick-veneered house at Ridgetown, Ont.

Douglas Davidson will build a residence on the Lake Shore Road, Mimico, Ont.

A residence is being built for Judge Gregory, on George street, Fredericton, N B.

A new three storey iron and glass structure, 55 x 165 ft., will be built for T. J. Trapp & Co., New Westminster, B.C.

At Portage la Prairie, Man., T. A. Newman & Bro. will erect a business block on Main street ; T. W. Prout will add a solid brick front to his warehouse on Main street ; J. F. Rowe, John Costigan and B. A. St. John will each erect business blocks ; The Graphic will build an addition to its premises on Campbell street, and G. W. Beynon and W. P. Campbell will both erect dwellings, as soon as spring opens up.

A RECIPE FOR ACID PICKLE FOR BRASS CASTINGS.

If greasy, the castings should be cleaned by boiling in lye or potash. The first pickle is composed of nitric acid, one quart ; water, six to eight quarts. After pickling in this mixture the castings should be washed in clear warm or hot water, and the following pickle be then used : Sulphuric acid, one quart ; nitric acid, two quarts ; muriatic acid, a few drops. The first pickle will remove the discolorations due to iron, if present. The muriatic acid of the second pickle will darken the color of the castings to an extent depending on the amount used. —American Machinist.

DOMINION IRON AND STEEL CO.

At a meeting in Montreal, on March 1, of the directors of The Dominion Iron and Steel Co., it was decided to issue new common stock to the amount of $10,000,000 to the shareholders. The whole of this amount has already been underwritten, and all that is now necessary is that the necessary legislation be granted by the Nova Scotia Government.

David Baker has been appointed general manager, in succession to A. J. Moxham, who recently resigned. During the fiscal year of the company, which closed on February 28 last, they had shipped over 2,650,000 tons of coal, as compared with 2,000,000 the year previous.



GET A PAINT

for your paint business that stands up against the weather at all times. It will give you something to talk about, something to induce customers, something to be proud of.

RAMSAYS PAINTS

are made to give you just such talks, such inducements, such helps to increase your business. And then you get handsome counter cards, posters, hangers, show cards, fence signs, everything that points the way to your store for the proper paints to paint with, and you have neat, attractive packages, nicely labelled, showing colors on the can in all the grades.

RAMSAYS PAINTS FOR THE HOUSE
RAMSAYS PAINTS FOR THE BARN
RAMSAYS PAINTS FOR THE FLOOR

for a price that people expect to pay and a profit for you in the handling. Want to see any of our travellers about it ?

A. RAMSAY & SON
PAINT MAKERS

EST'D 1842
MONTREAL

THE TIME TO INSURE IS

NOW

While you are WELL, STRONG and INSURABLE.

THE

Confederation Life

ASSOCIATION issues policies on all approved plans of insurance, and is a prosperous and progressive Canadian Company.

PROTECTION FOR YOUR FAMILY.
PROFITABLE INVESTMENT FOR YOURSELF.

Pamphlets and full information sent on application.

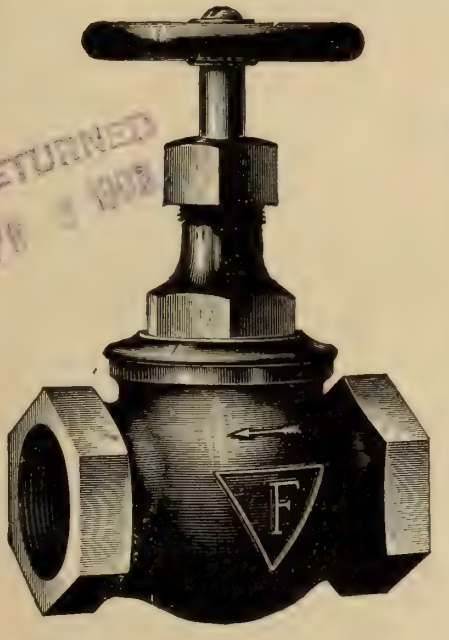
W. H. Beatty, Esq., PRESIDENT.

W. D. Matthews, Esq., Frederick Wyld, Esq., VICE-PRESIDENTS.

W. C. MACDONALD, ACTUARY.

J. K. MACDONALD, MANAGING DIRECTOR.

HEAD OFFICE, - TORONTO.



QUALITY TELLS.

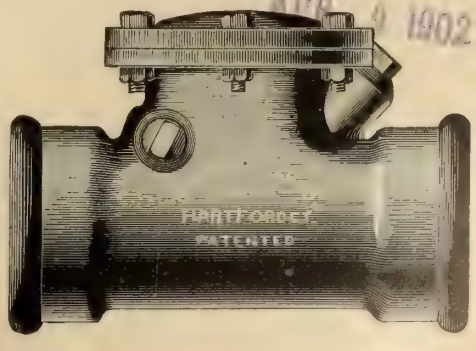
By constant attention to the details of Valve manufacturing **The Fairbanks renewable Asbestos Disc Valves** are acknowledged by the leading engineers of the country to have no peer.

Simplicity in construction.

First quality metal.

Discs of one piece.

Send us a sample order.



The Fairbanks Company

747 and 749 Craig Street, MONTREAL.

THE TRAVELLING SALESMAN IN RELATION TO THE RETAILER.*

By H. L. McNAMARA.

THE travelling salesman stands in several relations to the retailer, and not the least important of these would seem to be his friendship for him in giving him every point of advantage. As a rule, there is a motive behind this too obvious to mention. He is working for his own good while doing good to others, and certainly this is in accordance with good Christian doctrine. The house that employs the salesman don't think much of the doctrine, however. The house is apt to consider the doctrine quite unchristian, and sometimes harbors and even gives expression doctrine quite un Christian, and some

THE TRAVELLING AGENT AS AN EDUCATOR.

Aside from all pleasantries, however, the travelling salesman has one distinctive function to perform in his vocation, and this function is preeminently of an educational character. The travelling agent is an educator, and his most important and efficient work must lie in that direction.

WOULD NOT JUSTIFY THE EXPENSE.

To assume that the sales agent is sent out merely to be on hand when the retailer happens to be out of something, would make of him just an errand boy, and to go even a step farther, and say that he is sent out to keep competitors from monkeying with customers, would still hardly justify the expense. To be sure, the expense is eventually borne by the retailer, and he in turn gets it out of the customer. But the point is, couldn't the retailer send in his orders to the house, or any house, by mail, if it were simply a matter of ordering what he is out of, and save time and expense? Certainly he could. The agent then would have no particular office to perform.

REAL FUNCTION OF THE TRAVELLING MAN.

The fact is, however, that the agent's business is not merely that of collector of orders for goods that the retailer is out of or that he needs for a season's supply. Left to himself, neither the retailer nor the consumer would ever change styles or enlarge the variety of purchases.

Did you ever think how few articles are really required to satisfy actual needs? How few these are can be seen in pioneer towns, where, to start with, only staples are handled. Compare the store of today with the store of 50 years ago in the same line, and note the great variety of goods kept now as against then.

THE SALE OF NOVELTIES.

Very few real necessaries have been added, but the hardware dealers' stock, like every other, has been greatly enlarged by the addition of new things—things for procuring greater comfort or saving time. Did the dealer or consumer demand them? No. Anything different from what we are accustomed to is never demanded. If the manufacturer makes, or the dealer buys, something new and waits for people to want it, there would be a long wait, and this applies to the most popular things in use to-day. The consumer asks for nothing new, ever, and the dealer is afraid of new things. He does not want to buy things that have not already an established demand. Right here comes in the educative function of the travelling salesman. He is the one who makes a demand for the thousand and one things that have come into use. He presents the new article to the dealer and very often he goes and educates the consumer first and shows up the points of merit. If the consumer asks for it, there is no trouble in getting the dealer to handle it. The article, of course, must have merit.

INTRODUCTION OF WASHING MACHINES.

A new article is supposed to be an improvement on old ones, if it does better work for the same money, or as good work for less money; or it is time and labor saving; or it adds comfort; or it is more artistic in design, or fills some new niche in household use. Now, all these points, whatever they may be, have to be talked up and explained. The dealer has to be convinced, and it takes a good man to do it. He has got to be on to his job to do it. Nearly all the goods we sell nowadays have been added to by slow stages. Take the washing machine. A few years ago they were not part of a hardware stock. To-day they are an article of staple commerce. Years before, the washing machine was a county or village right scheme. It was not to sell washers, but rights, whatever that meant. Gradually the machine was perfected, and men were sent out to the trade and consumers to show their workings and points of merit, and by a gradual process of educational work the washer, like thousands of other valuable articles, has become a staple article of use and demand.

EDUCATION OF THE PUBLIC.

The natural tendency is to let well enough alone as to all things that involve an outlay of money or a change of our habits. More than half the things found on the counter were once so-called new-fangled notions, and only by a gradual process were people educated to a point of demand for them. As an illustration of this, I will repeat what an old hardwareman told me the other day, which is right to the point. We were speaking of the wringer business. He said: "I commenced business in the early sixties. Travelling salesmen in those days were not as numerous as in later years. A young fellow came along one day with a machine for wringing clothes. He knew how to work it and how to talk it to perfection. He spent the best part of two days trying to educate me in the mysteries and uses of his machine. As a last resort, he wanted me to let him come to the house and show the women folks how it worked. But my wife, after seeing it and trying it, said she didn't want any such new-fangled notions in her house. The old way was plenty good enough, and it would be a long time before any of those chaps could convince her. Failing to make me buy, he offered to put a dozen in stock for me, 'no sale, no pay,' but I wouldn't even do that. My wife said it was no good, and our neighbor's wife said the same thing. But the fellow got my competitor to put in a few, and he sold them. Six months later, another agent came along. He sold my competitor more this time, and I put in a few in self-defence. The price was $80 a dozen then, or somewhere along there, and no comparison to the present article. Look at the output of wringers to-day," the old hardwareman said. "Every family in the country, and in other countries as well, uses the wringer."

CIVILIZATION DEFINED.

With as good a thing as the wringer, as the above narrative shows, what hard work it was to get the people to use it. It took years of work to educate them up to it, and it was the travelling salesman who did the educating. Man does not willingly relinquish the things that he has been used to, but beyond that he is just as unwilling to accept anything new. Man is, in reality, not the progressive being that is claimed for him, and were the incentive of money-making left out, I doubt if much progress were made or many comforts added. Civilization, in fact, may be summed up as representing the cultivation of taste and of new desires and needs, and the more complex and various these desires and needs become, the higher we proclaim the civilization.

In the few minutes allotted to me, I think I have made out my case as well as could be done in so short a space—namely, that the travelling salesman is an educator and a very important factor in the civilizing influences of the world.

*Paper read at convention of the Wisconsin Retail Hardware Dealers' Association.

LESSENING THE EXPENSE IN PRODUCTION.

In this age of progress and advancement in the production of manufactured articles, the interests of the consumers are often lost sight of in the effort to secure large profits. Such has not been the case in the consolidation that has taken place under the title of United Factories, Limited, which has undertaken to operate Boeckh's Toronto factories, Bryan's London factories and Cane's Newmarket factories. The products of these factories enter into the needs of the everyday consumer perhaps more directly than most lines of manufacture. The object of the consolidation has been to lessen expense in management and production which will reflect directly in the reduction of prices of such universal household necessities as brooms, brushes and woodenware, which are their specialties. The United Factories, Limited, will henceforth put on the market the very best and most reliable goods that money, skill and manufacturing facilities can produce, and at prices that will be even less than second or third-rate domestic or foreign goods can ordinarily be purchased at. It will therefore be in the interest of all customers to ask for and insist upon having goods produced by the United Factories.

RICHARD JOHNSON, CLAPHAM & MORRIS, Ld., Manchester AND LIVERPOOL, ENG.

CABLE ADDRESS—"Metallicus," Manchester.
CODES USED—ABC, AI, Liebers and Private Code.

Manufacturers and Metal Merchants

GALV'D SHEETS
GALV'D CANADAS
BLACK SHEET IRON
BLACK CANADAS
Range & Furnace SHEETS

TINPLATES, TERNES
TINNED SHEETS
PIG TIN, PIG LEAD
WIRE NETTING
GALV'D BARB WIRE



WAREHOUSE LEVER STREET

MONTREAL OFFICE:
Messrs. Copland & Co., Imperial Buildings.

HALIFAX OFFICE:
Messrs. Grant, Oxley & Co, 68 Bedford Row.

PILKINGTON BROS., Limited

MANUFACTURERS OF

Polished Plate and Window Glass

PLAIN and BEVELLED MIRROR PLATES

PATENT WIRED ROLLED, Etc., Etc.

We would call special attention to our Prismatic Rolled Glass which is used for projecting the light to the back of dark rooms and other badly-lighted places.

WORKS: ST. HELENS, ENGLAND / MAUBEUGE, FRANCE

CANADIAN DEPOTS: BUSBY LANE, MONTREAL / MERCER ST., TORONTO

You Benefit By Our Purchase.

We have availed ourselves of the very unusual opportunity to purchase a large quantity of Black China Bristles at greatly reduced prices for spot cash. We have therefore decided with our business policy to give our customers the benefit of this purchase. We shall therefore issue a special price list of

Flat Varnish, Chiselled Varnish, Flat and Oval Paint Brushes

as quickly as possible, and our values will be found superior to any ever offered in this or any other market. It will pay the trade to delay orders for these lines until they can compare prices and samples.

—Boeckh's Standard Brushes and Bryan's London Brushes
—are recognized as the leaders in trade. Write for our
—1902 Catalogue.

United Factories, Limited

Head Office, TORONTO, ONT.

OPERATING
Boeckh's Toronto Factories,
Bryan's London Factories,
Cane's Newmarket Factories.

CREDIT AND CHARACTER.

E. M. SKINNER, in a recent article on "Credit and Character," draws this picture of the gradual change in the personnel of the credit man :

"Don't look as you did in olden times for a gray-haired gentleman of long and tried experience, but often of crusty and cold tempermanent ; don't expect to find an Arctic atmosphere surround his desk, and a line of questions as to your habits, family pedigree, age and birth of your family, etc., shot at you in tone of voice that soon works you up to such a murderous frame of mind that you reveal your true nature and character, and then get refused. Do not look for this, I say, you old-timers in business, for the methods that have gained for the credit desk the name of "sweat box" are no longer used. The credit man has gone in with this great rush of progress and reform, and has come out more in keeping with his duties and in touch with the times. You will no doubt find him young—but do not think without experience. You will almost surely find him pleasant and courteous ; you will find him able in his particular branch ; you should find him cautious and careful. His knowledge of general and local conditions is wide without being wonderful ; his memory marvelous without being miraculous. He will strive to learn all he can from you as to your affairs, so easily and pleasantly you hardly know you are talking about yourself, and you often leave wondering why you met him ; but he does not. While he looks harmless, he can be firm, and while he is sometimes careless and makes bad credits, it does not happen often enough to make any sure thing of it."

REAL AND IMITATION CHAMOIS SKIN.

From a report which The American Druggist summarizes, it appears that very little of the so-called chamois skin which is marketed is genuine. The real article comes from an animal found only in the Alps. There are two kinds of imitation known to commerce. The best is prepared from the skin of the doe, the cheaper grades from the flesh side of the split sheepskin. The grain of the skin is first removed by scraping with a round knife or pumice stone. The skins are then put into a bath of bran liquor, wrung out, dried, again soaked in water, and then fish oil is forced into the grain of the skin by beating several layers of skin soaked with oil with heavy wooden hammers. This process is repeated several times, the skins are then suspended on hooks in a warm room until a slight fermentation takes place, which dilates the pores and promotes the incorporation of the oil. The skins are then scraped and freed from excess of oil by treatment with weak patash lye, washed in an infusion of oak bark to give them a buff color, dried, smoothed and made supple by passing between iron rollers. After sorting, both as to quality and size, the skins are put up in packages of 30, each package being called a "kip." The skins vary from 6 x 8 inches to 20 x 33 inches in size. There seems to be no practical difference between the true skin of the chamois and the imitation, which is the commercial article, but there is some difference in the texture which enables an expert to distinguish between the two.

THE U.S. CANNING INDUSTRY.

There are in the United States, according to an exchange, not less than 2,000 firms engaged in packing canned goods, and the number of canning establishments is something larger.

The value of the canned goods annually put up in the United States is close to $100,000,000. Tomatoes are a leading staple of the Maryland packers, and of packers generally in the Middle States ; beef is canned mostly north and west of the Ohio River ; sardines and lobsters are leading features in Maine ; salmon is put up in Washington and Oregon, and oysters in New Jersey, Delaware, Maryland and New York. Massachusetts is naturally the State which makes the largest output of canned beans. Corn, milk, apples, pears, pineapples, small fruits of various kinds, pumpkins, squashes, etc., are canned in large quantities wherever they are plentifully grown.

The amount of capital invested in the American canneries approximates $50,000,000. Machinery has greatly operated to minimize the hand labor employed in the canneries, and cheapen the cost of the goods.

EXTENSIVE LINE OF BRASS GOODS.

James Cartland & Sons, Limited, of Birmingham, England, have their traveller, Mr. W. W. Mitchell, doing Canada at the present moment. He is showing a very extensive line of brass goods, and will call upon the leading firms of Canada before returning to England. His present address is the Windsor Hotel, Montreal.

THE ALBERT MIDLANE FUND.

Subscribers to the Midlane fund of The Ironmonger, which, it will be remembered, was closed by us in September last, when the amount collected reached the total of £98 2s. 3d., and when we had convinced ourselves that the totals of the various funds which had been started was more than sufficient to fill the wants of Mr. and Mrs. Midlane, will be pleased to hear that arrangements for an annunity have recently been completed. The joint fund of The Ironmonger and The Daily Express reached £514 11s. 7d., and of this amount £500 has been spent with The Liverpool and London and Globe Insurance Co. in the purchase of an annunity of £60 2s. 6d., payable half-yearly, on June 20 and December 20, during the joint lives of Mr. Albert Midlane and his wife, Maria. The delay in settling the matter has been caused by the difficulty in proving the ages of the annuitants. The balance of £14 11s. 7d. left after the purchase of the annuity has been forwarded to Mr. Midlane in cash. It will be remembered that in addition to The Ironmonger and The Daily Express funds some £1,400 was collected by various agencies, but we have no knowledge of the manner in which this money has been spent.—Ironmonger.

APOLLO BEST BLOOM
GALVANIZED IRON

What does anyone gain by using common galvanized iron?

Nothing; and loses time (which is wages) and standing (which also is money).

American Sheet Steel Company, New York
Representatives for Canada
B. & S. H. Thompson & Company
26 St. Sulpice Street
Montreal

"MIDLAND"
BRAND

Foundry Pig Iron.

Made from carefully selected Lake Superior Ores, with Connellsville Coke as fuel, "Midland" will rival in quality and grading the very best of the imported brands.

Write for Prices to Sales Agents

Drummond, McCall & Co.
or to MONTREAL, QUE.
Canada Iron Furnace Co.
MIDLAND, ONT. Limited

"The Peerless"

is the best Bolster Spring ever produced. A fine line for the hardware trade. Write Us For Prices.



James Warnock & Co. = Galt, Ont.

CURRENT MARKET QUOTATIONS.

March 7, 1902.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag and Straits— 56 and 28 lb. ingots, 100 lb.	28 00	29 00

Tinplates.

		Per box
Charcoal Plates—Bright		
M.L.S., equal to Bradley		$6 75
I.C., usua zes		8 25
I.X., "		9 75
I.X.X., "		
Famous—		
I.C.		6 75
I.X		8 25
I.X.X		9 75
Raven & Vulture Grades—		
I.C., usual sizes		5 00
I.X., "		6 00
I.X.X "		7 00
I.XXX., "		8 00
D.C., 12½x17		4 50
D.X		5 25
D.X.X		6 00
Coke Plates—Bright		
Bessemer Steel—		
I.C., usual sizes		4 25
I.C., special sizes, base		4 75
20 x 28		9 00
Charcoal Plates—Terne		
Dean or J. G. Grade—		
I.C., 20x28, 112 sheets		8 50
I.X., Terne Tin		10 50
Charcoal Tin Boiler Plates		
Cookley Grade—		Per lb.
X X., 14x56, 50 sheet bxs		
" 14x60, "		0 06½
" 14x65, "		
Tinned Sheets		
72x30 up to 24 gauge		0 07½
" 26 "		0 08

Iron and Steel.

Common Bar, per 100 lbs	1 95	2 05
Refined "		2 45
Horse Shoe Iron "		2 40
Hoop steel, 1½ to 3 in. base,		2 90
Sleigh Shoe Steel " base		2 10
Tire Steel	2 30	2 50
Reeled Machinery		3 00
Toe Calk Steel	2 85	3 00
T. Firth & Co's tool steel, per lb	0 12½	0 13
Jessop's tool Steel		0 14
Morton's tool steel	0 12½	0 13
Black Diamond and "B.C." tool steel	0 10	0 11
Chas. Leonard's tool steel	0 08	0 09
Drill Steel, per lb	0 08	0 10

Boiler Tubes.

1½-inch		0 12½
"		0 13
2½ "		0 15
3 "		0 16
3½ "		0 20
4 "		0 25

Steel Boiler Plate.

¼ inch	2 50	2 60
3-16 inch	2 60	2 70
⅝ inch and thicker	2 50	2 60

Black Sheets.

	Com.	D.Fl.
18 gauge	2 85	3 00
20 gauge	2 85	3 00
22 to 24 "	2 95	3 25
26 "	3 05	3 50
28 "	3 15	

Canada Plates.

All dull, 52 sheets		3 00
Half polished		3 10
All bright		3 75

Iron Pipe.

Black pipe—	Per 100 Feet.
⅛ inch	4 65
¼ "	3 49
⅜ "	3 45
½ "	3 70
⅝ "	3 85
¾ "	5 40
1 "	7 70
1¼ "	9 20
1½ "	12 50
2 "	24 00
2½ "	28 00
3 "	36 00
3½ "	43 00
4 "	50 00
4½ "	57 00
5 "	73 00
6 "	
Galvanized pipe—	
⅛ inch	5 15
¾ "	5 50
1 "	7 95
1¼ "	10 80
1½ "	12 95
2 "	17 35

5 p. c. off to preferred buyers.

Galvanized Sheets.

	G C. Comet.	Amer.	Queen's Head.
16 gauge			
18 to 24 gauge	4 05 3 75	4 05	
26 "	4 25 4 00		4 25
28 "	4 50 4 25		4 50

Less than case lots 10 to 15c. extra.
28 gauge American equals 26 gauge English.

Chain.

Proof Coil, 3-16 in., per 100 lb		
" ¼ " "	7 85	8 10
" 5-16 " "	4 95	5 25
" ⅜ " "	4 35	4 60
" 7-16 " "	4 15	4 40
" ½ " "	4 00	4 25
" 9-16 " "	3 99	4 15
" ⅝ " "	3 80	4 05
" ¾ " "	3 85	4 10

Halter kennel and post chains, 40 to 40 and 5 p.c.
Cow ties ..... 40 p.c.
Tie-out chains ..... 65 p.c.
Stall fixtures ..... 35 p.c.
Trace chain ..... 45 p.c.
Jack chain, iron, single and double, discount 35 p.c.
Jack chain, brass, single and double, discount 40 p.c.

Copper.

	Ingot	Per 100 lb.
English B. S., ton lots		15 00
Lake Superior		
Bars.		
Cut lengths round, ½ to ⅞ in.	23 00	25 00
" round and square 1 to 2 inches	23 00	25 00
Sheet.		
Plain, 14 oz., and light, 16 oz., 14x48 and 14x60	22 00	22 50
Plain, 14 oz., and light, 16 oz., irregular sizes	22 50	23 00
Tinned copper sheets		24 00
Planished		32 00
Braziers (In sheets.)		
4x6ft. 25 to 30 lbs. ea., per lb.		0 23
" 35 to 45 " "		0 22
" 50-lb. and above, "		0 21
Boiler and T. K. Pitts		
Plain Tinned, per lb		0 28
Spun, per lb		0 32

Copper Ware.

Discount, 50 per cent.

Brass.

Rod and Sheet, 14 to 30 gauge, 15 per cent.

Sheets, hard-rolled, 2x4		0 23
Tubing, base per lb		0 23½

Zinc Spelter

Foreign, per lb	5 50	6 00
Domestic "		

Zinc Sheet.

5-cwt. casks	6 00	6 25
Part casks	6 25	6 50

Lead.

Import Pig, per 100 lb	3 50	3 75
Bar, 1 lb		0 05
Sheets, 2½ lbs. sq. ft., by		0 06¼
Sheets, 3 to 6 lbs., "		0 06

NOTE.—Cut sheets ¼ cent per lb. extra.
Pipe, by the roll, usual weights per yard, lists at 7c. per lb. and 35 p.c. dis. f.o.b. Toronto.
NOTE.—Cut lengths, net price, waste pipe 3-ft. lengths lists at 7½ cents.

Shot.

Common, $6.50 per 100 lb.; chilled, $7.00 per 100 lb.; buck, seal and ball, $7.50. Discount, 22½ p.c. Prices are f.o.b. Toronto, Hamilton, Montreal, St. John and Halifax. Terms 3 per cent. cash, freights equalized.

Soil Pipe and Fittings.

Discount, 60 and 10 per cent. on medium and extra heavy, and 60 per cent. on light.

Solder.

	Per lb.	Per lb.
Bar half-and-half, guarant'd		0 19
Bar half-and-half, commer'l		0 18½
Refined		0 18
Wiping		0 17½

Antimony.

Cookson's, per lb		0 10

White Lead.

	Per 100 lb.
Pure	5 87½
No. 1	5 50
No. 2	5 12½
No. 3	4 75
No. 4	4 37½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B B. Genuine	7 00
" No. 1	6 00

Red Lead.

Genuine, 560 lb. casks, per cwt.	$4 75
Genuine, 100 lb. kegs, per cwt.	5 00
No. 1, 560 lb. casks, per cwt.	4 25
No. 1, lb. kegs, per cwt.	4 50

White Zinc.

Extra Red Seal	0 06	0 08
No. 1	0 05½	0 07
No. 2	0 05	0 06

Dry White Lead.

Pure, casks	5 25
Pure, kegs	5 50
No. 1, casks	5 00
No. 1, kegs	5 25

Prepared Paints

In ¼, ½ and 1 gallon tins.

Pure, per gallon		1 25
Second qualities, per gallon		1 10
Barn (in bbls.)	0 60	0 90
The Sherwin-Williams Paints.		1 40
Canada Paint Co's Pure		1 25
Toronto Lead & Color Co's Pure		1 25
Sanderson Pearcy's Pure		1 20
Stewart & Wood's Champion Pure		1 20

Colors in Oil.

25 lb. tins, Standard Quality.

Venetian Red, per lb	0 04½	0 06
Chrome Yellow	0 12	0 14
Golden Ochre	0 08	0 10
French "		0 06
Marine Black		0 09
Chrome Green		0 10
French Imperial Green		0 12
Sign Writers' Black		0 16
Burnt Umber		0 11
" Sienna		0 11
Raw Umber		0 11
" Sienna		0 11

Colors, Dry.

Common Ochre bbls	1 20	1 30
Yellow Ochre J.F.L.S., bbls		2 00
Yellow Ochre (La Belle)	1 15	1 25
Brussels Ochre		2 00
Venetian Red (best), bbl	1 75	2 00
English Oxides, per cwt	3 00	3 25
American Oxides, bbls	1 25	2 00
Canadian Oxides, 1 bls	1 25	1 75
Super Magnetic Oxides, 93p.c.	2 00	2 25
Burnt Sienna, pure, per lb		0 10
" Umber, " "		0 10
Raw do		0 09
Drop Black, pure		0 09
Chrome Yellows, pure		0 18
Chrome Greens, pure, per lb.	0 09	0 10
Golden Ochre	0 04	0 05
Ultramarine Blue in 28-lb. boxes, per lb	0 06	0 18
Fire Proof Mineral, per 100 lb		1 00
Genuine Eng. Litharge, per lb		0 07
Mortar Color, per 100 lb	1 25	1 50
Pure Indian Red, No. 45 lb.	0 08	0 10
Whiting, bbl	0 55	0 60
English Vermillion in 30-lb. bags.		0 95

Paris Green.

	per lb.
Petroleum Casks	
Arsenic Kegs	
50-lb. and 100-lb. drums	
25-lb. drums	
1-lb packages	
½-lb. do	
1-lb. tins	
½-lb do	

F. O. B. Toronto. Terms—3 p. c. off 30 days, or 4 mos. from date of de'ivery.

Blue Stone.

Casks, for spraying, per lb	0 07
100-lb. lots, do. per lb	0 08

Putty.

Bulk in bbls.	1 90
Bulk in less quantity	2 05
Bladders in bbls.	2 25
Bladders in kegs, boxes or loose	2 40
Bladders in 25-lb. tins	2 35
Bladders in 12½-lb. tins	2 65
Bladders in bulk or tins less than 100 lb	2 90

Varnishes.

In 5-gal. lots.	Per gal.	net.
Carriage, No. 1	1 50	1 60
Pale Durable body	4 10	4 25
" rubbing	2 85	3 00
Gold Size, Japan	2 85	3 00
No. 1 Brown Japan		0 85
Elastic Oak		1 50
Furniture, extra		1 25
" No. 1		0 85
Hard Oil Finish	1 65	1 75
Light Oil Finish	1 40	1 60
Demar	1 70	1 80
Shellac, white	2 30	2 45
" orange	2 25	2 35
Turpentine Brown Japan		1 25
" Black Japan	0 85	0 90
" " No. 1	0 70	0 75

Elastilite Varnish 1 gal. can, each, $3.00.
Granitine Floor Finish per gal., $2.75.
Maple Leaf Coach Enamels; Size 1, $1 20 Size 2, 70c.; Size 3, 40c. each.

Castor Oil.

East India, in cases, per lb	0 09½	0 10
" " small lots	0 10	0 10½

Cod Oil, Etc.

Cod Oil per gal	0 50	0 55
Pure Olive		1 20
" Neatsfoot		90

Glue.

Common	0 08½	0 09
French Medal	0 14	0 14½
Cabinet sheet	0 12	0 13
White, extra	0 18	0 20
Gelatine	0 22	0 30
Strip	0 18	0 20
Coopers	0 19	0 20
Huttner		0 18

STEEL, PEECH & TOZER, Limited

Phœnix Special Steel Works. The Ickles, near Sheffield, England.

Manufacturers of

Axles and Forgings of all descriptions, Billets and Spring Steel, Tyre, Sleigh Shoe and Machinery Steel.

Sole Agents for Canada.

JAMES HUTTON & CO., - MONTREAL

HARDWARE.

Ammunition.

Cartridges.

B. B Caps Dom. 50 and 5 per cent
Rim Fire Pistol, dis. 40 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Central Fire Pistol and Rifle, 10 p.c. Amer.
Central Fire Cartridges, pistol sizes Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 per cent.
Central Fire, Military and Sporting, Amer. add 5 p.c. to list. B.B. Caps, discount 40 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 10 p c. advance on list.
Brass Shot Shells, 55 per cent.
Primers, Dom., 30 per cent.; American, $1.65.

Wads	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ⅛-lb. bags	70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	

	Per M
Chemically prepared black edge grey cloth wads, in boxes of 250 each—	
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 20 per cent.

Anvils.

Wright's, 80-lb. and over	0 10¾
Hay Budden, 80-lb. and over	0 09¼
Brook's, " " "	0 11¼

Augers.

Gilmour's, discount 65 and 5 p.c. off list.

Axes.

Chopping Axes		
Single bit, per doz	5 50	10 00
Double bit, "	11 00	18 00
Bench Axes, 40 p.c.		
Broad Axes, 25 per cent.		
Hunters' Axes	5 50	6 00
Boy's Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Axle Grease.

Ordinary, per gross	5 75	6 00
Best quality	13 00	15 00

Bath Tubs.

Zinc	6 00

Copper, discount 15 p.c. off revised list

Baths.

Standard Enameled.

5½-inch rolled rim, 1st quality	25 00
" " " 2nd "	21 00

Anti-Friction Metal.

"Tandem" A per lb.	0 27
" B "	0 21
" C "	0 11½
Magnolia Anti-Friction Metal, per lb.	0 25
Frictionless metal, per lb	0 23

SYRACUSE SMELTING WORKS.

Aluminum, genuine	0 41
Dynamo	0 27
Special	0 22
Aluminum, 99 p.c. pure "Syracuse"	0 45
Phosphorine anti-friction metal	0 25

Bells.

Hand.

Brass, 60 per cent.
Nickel, 55 per cent

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Door.

Tongs, Sargant's	5 50	8 00
" Peterboro', discount 45 per cent		
Farm.		
American, each	1 25	3 00
House.		
American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00
Blacksmiths', discount 40 per cent.		

Belting.

Extra, 60 per cent.
Standard, 60 and 10 per cent.
No. 1, not wider than 6 in., 50 10 and 10 p.c.
Agricultural, not wider than 4 in., 75 p c.

Bits.

Auger.

Gilmour's, discount 60 and 5 per cent.
Rockford, 50 and 10 per cent.
Jennings' Gen., net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind and Bed Staples.

All sizes, per lb 0 07¾ 0 12

Bolts and Nuts.

	Per cent.
Carriage Bolts, common ($1 list)	55 and 5
" " full square ($2.40 list)	60 and 5
" " Norway iron ($3 list)	60 and 5
Machine Bolts, all sizes	55 and 5
Plough Bolts	55 and 5
Blank Bolts	60
Bolt Ends	60
Sleigh Shoe Bolts	70
Coach Screws, cone point	70
Nuts, square, all sizes, 3⅜c per lb. off.	
Nuts, hexagon, all sizes, 4c. per lb. off.	
Stove rods, per lb. 5½ to 6c.	
Nuts, in 50 lb. lots ¼c. per lb extra, in less than 50 lb lots, ½c. extra.	

Boot Calks.

Small and medium, ball, per M	4 25
Small heel, per M	4 50

Bright Wire Goods.

Discount 62½ per cent

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent

Henis, No. 8 "	6 00
Henis, No. 9, "	7 00
Queen City "	7 50 0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Butcher Knives.

Bailey's, per doz	0 60	6 30

Building Paper, Etc.

Tarred felt, per 100 lb	1 70
Ready roofing, 2-ply, not under 45 lb. per roll	85
Ready roofing, 3-ply, not under 65 lb. per roll	1 10
Carpet felt, per ton	45 00
Dry sheathing, per roll, 400 sq ft	30
Tar sheathing, " " "	40
Dry fibre " " "	50
Tarred fibre, " " "	60
O.K. & I.X.L., " " "	65
Resin-sized, " " "	40
Oiled sheathing, " 600 "	1 10
" " " 400 "	70
Roof coating in barrels, per gal	17
" " small packages	25
Refined tar, per barrel	4 50
Coal tar, "	4 00
Coal tar, less than barrels, per gal	15
Roofing pitch, per 100 lb	85

Bull Rings.

Copper, $2.00 for 2½ in. and $1.90 for 2 in.

Butts.

Wrought Brass net revised list.

Cast Iron.

Loose Pin, dis., 60 per cent.

Wrought Steel

Fast Joint, dis. 65, 10 and 2½ per cent.
Loose Pin, dis. 65, 10 and 2½ per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.

Gen. Bronzed, per pair	0 40	0 65

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	....

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	8 50	9 50

Cement.

Canadian Portland	1 90	2 75
English "	3 00	3 15
Belgian "	2 50	2 75
Canadian hydraulic	1 25	1 50

Chalk.

Carpenters Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 70 per cent.
Warnock's, dis. 70 per cent.
P. S. & W. Extra 60, 10 and 5 p.c.

Churns.

Revolving Churns, metal frames—No. 0, $8—No. 1, $8.50—No. 2, $9.00—No. 3, $10.00—No. 4, $12.00—No. 5, $16.00 each. Ditto, wood frames—20c. each less than above. Discounts: Delivered from factories, 56 p.c.; from stock in Montreal, 54 p.c. Terms, 4 months or 3 p.c. cash in 30 days

Clips.

Axle dis. 65 per cent.

Closets	Net.
Plain York or Ontario Syphon Jet	$9 60
Emb. York or Ontario Syphon Jet	10 20
Fittings	1 00
Plain Elgin or Teu. Syphon Washout	6 00
Emb. Elgin or Teu. Syphon Washout	6 60
Fittings	1 25
Low Down Elgin or Teutonic, plain	9 60
" " " " emb.	10 20
Plain Richelieu	4 00
Emb. Richelieu	4 25
Connections	1 25
Low Down Ont. Sy. Jet, plain	11 70
" " " " " emb'd.	12 30
Closet connection	1 25
Basins P.O., 14 in	0 70
" oval, 17 x 14 in	1 50
" " 19 x 15 in	2 25

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Cradles, Grain.

Canadian, dis. 25 to 33⅓ per cent.

Crosscut Saw Handles.

S. & D., No. 3, per pair	17½
" " 5, "	22½
" 6, "	15
Boynto pattern "	20

Door Springs.

Torrey's Rod, per doz	(15 p.c.)	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Coach and Wagon, dis. 50 and 10 per cent
Carpenters, dis. 70 per cent.

Drills.

Hand and Breast

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis., 37½ to 40 per cent.
Standard dis. 50 and 5 to 55 per cent.

Faucets.

Common, cork-lined, dis. 35 per cent.

ELBOWS. (Stovepipe.)	per doz.
5 and 6-inch, common	1 20
7-inch	1 35

Polished, 15c. per doz. extra.

ESCUTCHEONS.

Discount, 45 per cent.

ESCUTCHEON PINS.

Iron, discount 40 per cent.

FACTORY MILK CANS.

Discount off revised list, 40 per cent.

FILES AND RASPS.

Great Western	70 and 10		per cent.
Arcade	70	" 10	"
Kearney & Foot	70	" 10	"
Disston's	70	" 10	"
American	70	" 10	"
J. Barton Smith	70	" 10	"
McClellan	70	" 10	"
Eagle	70	" 10	"
Nicholson, 60 and 10 to 60, 10 and 5			"
Royal	80		"
Globe	70 to 75		"

Black Diamond, 60 and 10 to 60, 10 and 5 p.c.
Jowitt's, English list, 25 to 27½ per cent.
Nicholson File Co 's "Simplicity" file handle per gross, 85c. to $1.50.

GLASS—Window—Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	D. Diamond Per 50 ft.	D. Diamond Per 100 ft.
Under 26	2 20	4 25	....	6 25
26 to 40	2 40	4 65	....	6 75
41 to 50	....	5 10	....	7 50
51 to 60	....	5 35	....	8 50
61 to 70	....	5 75	....	9 75
71 to 80	....	6 25	....	11 00
81 to 85	....	7 00	....	12 55
86 to 90	....	7 75	..	15 00
91 to 95	..	....	..	17 50
96 to 100	.. ..	....	..	20 50
101 to 105	....	....	....	24 00
106 to 110	....	....	....	27 50

GAUGES

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's, Nos. 26 to 33, each	1 65	2 40

HALTERS.

Rope, ⅜ per gross	....	....
" ½ "	....	9 00
" ⅝ to ¾ "	....	14 00
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

Maydole's, dis. 5 to 10 per cent Can. dis. 25 to 27½ per cent.

Tack.

Magnetic per doz	1 10	1 20

Sledge.

Canadian per lb	0 07½	0 08½

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz. net	1 50	2 00
Store door, per doz	1 00	1 50

Fork.

C. & B., dis. 40 per cent. rev. list.

Hoe.

C. & B., dis. 40 per cent. rev. ist.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 75

Hammer and Hatchet.

Canadian, 40 per cent.

Cross-Cut Saws.

Canadian, per pair	0 13¾

HANGERS.

	doz.	pairs.
Steel barn door	5 85	6 00
Stearns, 4 inch	....	5 00
" 5 inch	....	6 50
Lane's covered—		
No. 11, 5-ft. run	....	8 40
No. 11½, 10-ft. run	....	10 80
No. 12, 10-ft. run	....	12 60
No. 14, 15-ft. run	....	21 00
Lane's O.N.T. track, per foot	....	4½

HARVEST TOOLS

Discount, 70 per cent.

HATCHETS

Canadian, dis. 40 to 42½ per cent.

FOR THE STREET



THE TRADE "M&M" MARK LIGHT



FOR THE STORE

They are Where Best Liked Best Known!

What a Man Says "M. & M." Hardware About Lamps.

Over 30,000 "M. & M." Lamps are in daily use in the United States and Canada, and our largest orders come from localities where they are best known. The most efficient, most practical, most economical store-lighting proposition on the market, a claim which is amply proven by the enthusiastic testimonials constantly received from users and our agents. Send for circulars. AGENTS WANTED. ACORN BRASS WORKS, Dept. 8, 15-23 Jefferson Street. CHICAGO, ILL.

Acorn Brass Works, Chicago, Ill., Madison, Neb., Oct. 21, 1901.
Gentlemen:—I am using five of your "M. & M." Arc Vapor Lamps in my store, and have been for the past three years. They are as good as the day I put them up, so far as I can see. My store is lighter than daylight. The store next to mine has 26 incandescent electric lights in a room 23x84, and it looks as if he had so many tallow candles compared to the light in my store. Respectfully yours, WM. PARKINSON.

HINGES.

Blind, Parker's, dis. 50 and 10 to 60 per cent.
Heavy T and strap, 4-in., per lb.... 0 06½
" " 5-in., " 0 06¼
" " 6-in., " 0 06
" " 8-in., " 0 05¾
" " 10-in., " 0 05½
Light T and strap, dis. 65 and 5 per cent.
Screw hook and hinge—
6 to 10 in., per 100 lbs.... .... 4 25
12 in. up, per 100 lbs..... .... 3 25
Per gro. pairs
Spring..... .... 12 00

HOES.

Garden, Mortar, etc., dis. 50 and 10p.c.
Planter, per doz..... 4 00 4 50

HOLLOW WARE

Discount,..... 45 and 5 per cent.

HOOKS.

Cast Iron.

Bird Cage, per doz.....	0 50	1 10
Clothes Line, per doz.....	0 27	0 63
Harness, per doz.....	0 72	0 88
Hat and Coat, per gross.....	1 00	3 00
Chandelier, per doz.....	0 50	1 00

Wrought Iron.
Wrought Hooks and Staples, Can. dis. 47½ per cent.
Wire.
Hat and Coat, discount 45 per cent.
Belt, per 1,000 ..... 0 60
Screw, bright, dis. 55 per cent.

HORSE NAILS.

"C" brand 50 and 7½ p.c. off new list } Oval-
"M" brand 50, 10 and 5 per cent. } head
Countersunk. 60 per cent.

HORSESHOES.

F.O.B. Montreal.

Iron Shoes.	No. 2 and larger.	No. 1. and smaller.
Light, medium and heavy...	3 50	3 75
Snow shoes.....	3 75	4 00
Steel Shoes.		
Light.....	3 60	3 85
Featherweight (all sizes).....	4 85	4 85

F.O.B. Toronto, Hamilton, London and Guelph, 10c. per keg additional.
Toe weight steel shoes..... 6 70

JAPANNED WARE.

Discount, 45 and 5 p.c. off list, June 1899.

ICE PICKS.

Star per doz..... 3 00 3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.
Copper, per lb..... 0 30 0 50
American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 45 p.c.
Cabinet, trunk, and padlock, Am. per gross 60

KNOBS.

Door, japanned and N.P., per doz..... .... 1 50 2 50
Bronze, Berlin, per doz..... 2 75 3 25
Bronze Genuine, per doz.... 6 00 9 00
Shutter, porcelain, F. & L screw, per gross 1 30 4 00
White door knobs—per doz. 1 25

HAY KNIVES.

Discount, 50 and 10 per cent.

LAMP WICKS.

Discount, 60 per cent.

LANTERNS.

Cold Blast, per doz..... 7 00
No. 3 "Wright's"..... 8 50
Ordinary, with O burner..... 4 00
Dashboard, cold blast..... 9 00
No. 0..... 5 75
Japanning, 50c. per doz. extra

LEMON SQUEEZERS.

Porcelain lined, ...per doz. 2 20 5 60
Galvanized..... 1 87 3 85
King, wood..... 2 75 2 90
King, glass..... 4 00 4 50
All glass..... 1 20 1 30

LINES.

Fish per gross..... 1 05 2 50
Chalk " 1 90 7 40

LOCKS.

Canadian, dis. 45 p.c.
Russel & Erwin, per doz.... 3 00 3 25
Cabinet.
Eagle, dis. 30 p.c.

Padlock.

English and Am. per doz.... 50 6 00
Scandinavian, " 1 00 2 40
Eagle, dis. 20 to 25 p.c.

MACHINE SCREWS. Iron and Brass.

Flat head discount 25 p.c.
Round Head discount 20 p.c.

MALLETS.

Tinsmiths' per doz..... 1 25 1 50
Carpenters', hickory, per doz. 1 25 3 75
Lignum Vitae, per doz.. .... 3 85 5 00
Caulking each..... 60 2 00

MATTOCKS.

Canadian, per doz..... 5 50 6 50

MEAT CUTTERS.

American, dis. 25 to 30 p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are:	Cut.	Wire.
2 d and 3d	$3 35	$3 55
3 d	3 00	3 22
4 and 5d.....	2 75	3 05
6 and 7d.....	2 65	2 90
8 and 9d.....	2 50	2 70
10 and 12d.....	2 45	2 65
16 and 20d..	2 40	2 60
30, 40, 50 and 60d. (base).....	2 35	2 55

Wire nails in carlots are $2 50
Galvanizing 2c. per lb. net extra.
Steel Cut Nails 10c. extra.
Miscellaneous wire nails, dis. 75 p.c.
Coopers' nails, dis. 30 per cent.
Flour barrel nails, dis. 25 per cent

NAIL PULLERS.

Germanand American..... 1 85 3 50

NAIL SETS.

Square round, and octagon per gross..... 3 38 4 00
Diamond..... 12 00 15 00

POULTRY NETTING.

2-in. Mesh, 19 w.g., dis. 60 p.c.
2-in. Mesh, 18 w.g. and heavier, 50 and 10 p.c.

OAKUM. Per 100 lb.

Navy 6 00
U.S. Navy..... 7 25

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal. per doz..... .... 10 00
Zinc and tin, dis. 50, 50 and 10.
Copper, per doz..... 1 25 3 50
Brass, " 1 50 3 50
Malleable, dis. 25 per cent.

GALVANIZED PAILS.

Dufferin pattern pails, dis. 45 p.c.
Flaring pattern, discount 45 per cent.
Galvanized washtubs discount 45 per cent.

PIECED WARE.

Discount 40 per cent. off list, June, 1899.
10-qt. flaring sap buckets, dis. 40 p.c.
6, 10 and 14-qt. flaring pails, dis. 40 p.c.
Creamer cans, dis. 40 p.c.

PICKS.

Per doz..... 6 00 9 00

PICTURE NAILS.

Porcelain head, per gross... 1 75 3 00
Brass head " 0 40 1 00

PICTURE WIRE.

Tin and gilt, discount 75 p.c.

PINE TAR.

½ pint in tins, per gross..... 7 80
1 " " " 9 60

PLANES.

Wood, bench, Canadian dis. 40 per cent. American dis. 50.
Wood, fancy Canadian or American 7½ to 40 per cent.

PLANE IRONS.

English, per doz..... 2 00 5 00

PLIERS AND NIPPERS.

Button's Genuine per doz pairs, dis. 37½ 40 p.c.
Button's Imitation, per doz.. 5 00 9 00
German, per doz..... 0 60 2 60

PLUMBERS' BRASS GOODS.

Standard Compression work, dis. 60 p.c.
"J.M.T." Cushion work, dis. 50 p.c.
Fuller work, dis. 65 p.c.
6 doz. lots and over of the above, extra dis. 10 p.c.
Rough Stops and Stops and Waghers, dis. 60 p.c. With, in lots of 2 doz. and over, an extra dis. of 10 p.c.
"J.M.T." Globe, Angle and Check Valves, dis. 70 p.c.
Standard Globe, Angle and Check Valves, dis. 65 p.c.
"J.M.T." Radiator Valves, dis. 70 p.c.
Standard " " dis., 60 p.c.
Patent Quick Opening Valves, dis. 70 p.c.
No. 1 compression bath cock, nickel .. 2 00
No. 4 " " " 2 00
No. 7, Fuller's..... 2 20
No 4½, " 2 35
Patent Compression Cushion, basin cock, hot and cold. per doz.. 15 00
Patent Compression Cushion, bath cock. No. 2208 ..... 2 25
Square head brass cocks, 60 p.c.
" " iron " 60 p.c.
Globe Angle or check valves, 70 p.c.

POWDER.

Velox Smokeless Shotgun Powder.
100 lb. or less..... 0 85
1,000 lb. or more..... 0 80
Net 30 days.

PRESSED SPIKES.

Discount 25 per cent.

PULLEYS.

Hothouse, per doz..... 0 55 1 00
Axle..... 0 22 0 33
Screw..... 0 27 1 00
Awning..... 0 35 2 50

PUMPS.

Canadian cistern..... 1 80 3 60
Canadian pitcher spout..... 1 40 2 10

PUNCHES.

Saddlers', per doz..... 1 00 1
Conductors' 9 00 15 00
Tinners', solid, per set..... 0 00 0 [illegible]
" hollow per inch 0 00 1 00

RANGE BOILERS Net.

Dominion, 35 " 6 75
" 40 " 7 75
Ronald's Galvanized 30 gallons 6 50
" " 35 " 7 50
" " 40 " 8 50
Copper, 30 gallons..... 25 00
" 35 " 29 00
" 40 " 33 00

RAKES.

Wood, 10 per cent.

RAZORS.

	per doz.
Elliot's	4 00 18 00
Geo. Butler & Co.'s.....	4 00 18 00
Boker's	7 50 11 00
" King Cutter	12 50 50 00
Wade & Butcher's...	3 60 10 00
Theile & Quack's	7 00 12 00
Bailey's	6 00 12 00

REGISTERS.

Discount..... 40 per cent

RIVETS AND BURRS.

Iron Rivets, black and tinned, discount 60 and 10 per cent.
Iron Burrs, discount 55 per cent.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c per lb.
Copper Rivets with usual proportion burrs, 45 and 10 dis., cartons, 1c. per lb. extra, net.
Copper Burrs only, 30 and 10 p.c.
Extras on Tinned or Coppered Rivets ½-lb. cartons, 1c. per lb.

RIVET SETS

Canadian dis. 35 to 37½ per cent

ROPE ETC.

Sisal	12½
Pure Manilla.....	16
"British" Manilla..	14
Cotton, 3-16 inch and larger	16
" 5-32 inch....	21
" ⅛ inch.....	22
Russia Deep Sea	15
Jute	8
Lath Yarn	11
Sisal bed cord, 48 ft..... per doz.	65
" " 60 ft..... "	80
" " 72 ft..... "	95

RULES.

Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS. per set.

Mrs. Potts, No. 55, polished.. 65
" No. 50, nickle-plated 75

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 5 per cent.
Emery, 40 per cent.
Garnet (Rurton's), 5 to 10 p.c. advance on list.

SAP SPOUTS.

Bronzed iron with hooks, per doz... 9 50

SAWS.

Hand Disston's, dis. 12½ p.c.
S. & D., 40 per cent.

Crosscut, Disston's, per ft....	35	0 55

S. & D., dis. 35 p.c. on Nos. 2 and 3.

Hack, complete, each.....	0 75	2 75
" frame only.....		0 75

SASH WEIGHTS.

Sectional, per 100 lbs.....	2 25	2 50
Solid, "	1 75	2 00

SASH CORD.

Per lb..... 0 23 0 30

SAW SETS.

Lincoln and Whiting, per doz...	4 75
Hand Sets, No. 1 Woodyatt (Morrill)	4 25
X-cut sets, No. 3 Woodyatt (Morrill)	9 50

SCALES.

Standard, 45 p.c.
Champion, 55 p.c.
Spring Balances, 10 p.c.
Fairbanks Standard, 35 p.c.
" Dominion, 55 p.c.
" Richelieu, 55 p.c.
Warren's new Standard. 45 p.c.
" " Champion 65 p.c.

SCREW DRIVERS.

Sargent's per doz..... 0 65 1 00

SCREWS

Wood, F. H., bright and steel, 87½ and 10 p.c
Wood R. H., " dis. 82½ and 10 p.c.
" F. H., brass dis. 80 and 10 p.c.
Wood, R. H., " dis. 75 and 10 p.c.
" F.H., bronze, dis. 75 p.c.
" R.H. " 70 p.c.
Drive Screws, 87½ and 10 per cent.
Bench, wood, per doz..... 3 25 4 00
" iron, " 4 25 5 75
Set, Case hardened, 60 per cent.
Square Cap, 50 and 5 per cent.
Hexagon Cap, 45 per cent.

SCYTHES.

Per doz, net 9 00

SCYTHE SNATHS.

Canadian, dis. 45 p.c.

SHEARS.

Bailey Cutlery Co., full nickeled, dis. 60½ p.c.
" " Japan handles, 67½ p.c.
Seymour's, dis. 50 and 10 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SINKS.

Stee and galvanized, discoun 45 per cent.

SNAPS.

Harness, German, dis. 25 p.c.
Lock, Andrews'..... 4 50 11 50

SOLDERING IRONS.

1, 1½ lb., per lb..... 0 37
2 lb. or over, per lb..... 0 34

SQUARES.

Iron, No. 493, per doz 2 40 2 55
" Mo. 494, " 3 25 3 40
Steel, dis. 60. 10 and 5 p.c.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.

Plain, dis., 75 and 12½ p.c. off revised st
Retinned, dis., 75 p.c. off revised ist.

STAPLES.

Galvanized	3 50	4 00
Plain	3 25	3 75

Coopers', discount 45 per cent.
Poultry netting staples, 40 per cent.

STANDARD CHAIN CO., PITTSBURGH, U. S. A.

MANUFACTURERS OF **CHAIN** OF ALL KINDS.

Proof Coil, B.B., B.B.B., Crane, Dredge Chain, Trace Chains, Cow Ties, etc.

ALEXANDER GIBB, Montreal. —Canadian Representatives— A. C. LESLIE & CO., Montreal.

For Provinces of Ontario and Quebec. For other Provinces.

STOCKS AND DIES.

American dis. 25 p.c.

STONE.	Per lb.	
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip,	0 09	0 09
Labrador	....	0 13
" Axe	....	0 15
Turkey	....	0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, 2 in, 40 to 200 lb, per ton	....	25 00
" under 40 lb. "	....	28 00
Grind. under 2 in. thick "	....	29 00

STOVE PIPES.

5 and 6 inch Per 100 lengths	....	7 00
7 inch " "	....	7 50

ENAMELINE STOVE POLISH.

No. 4—3 dozen in case, net cash	$4 80
No. 6—3 dozen in case, "	8 40

TACKS BRADS, ETC.

Cheese-box tacks, blued .....80 & 12½
Trunk tacks, black and tinned 85
Carpet tacks, blued .....80 & 15
" " tinned .....80 & 20
" " (in kegs) 40
Cut tacks, blued, in dozens only ..80
" ¼ weights.....60
Swedes cut tacks, blued and tinned—
In bulk.....80 & 10
In dozens.....75
Swedes, upholsterers', bulk....85, 12½ & 12½
" brush, blued & tinned, bulk..70
" gimp, blued, tinned and japanned..... .....75 & 12½
Zinc tacks 35
Leather carpet tacks 55
Copper tacks 50
Copper nails 52½
Trunk nails, black.....65 and 5
Trunk nails, tinned.....65 and 10
Clout nails, blued .....65 and 5
Chair nails 35
Patent brads 40
Fine finishing..... 40
Lining tacks, in papers 10
Lining tacks, in bulk 15
" " solid heads, in bulk.... ... 75
Saddle nails in papers..... 10
" " in bulk..... 15
Tufting buttons, 22 line, in dozens only 60
Tin capped trunk nails..... 25
Zinc glazier's points..... 5
Double pointed tacks, papers.....90 and 10
" " " bulk 40

TAPE LINES.

English, ass skin, per doz....	2 75	5 00
English, Patent Leather....	5 50	9 75
Chesterman's each.....	0 90	2 85
" steel, each	0 80	8 00

TINNERS' SNIPS.

Bailey's, dis. 25 p.c.

THERMOMETERS.

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TRAPS. (Steel.)

Game, Newhouse, dis. 25 p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's discount 10 per cent.

German, per doz.....	4 75	6 00

S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb.....	....	0 27
Wrapping, cotton, 3-ply.....		0 18½
" 4-ply.....	....	0 23½
Mattress, per lb.....	0 33	0 45
Staging, "	0 27	0 35

VISES.

Wright's	....	0 13½
Brook's	....	0 12¾
Pipe Vise, Hinge, No. 1.....	....	3 50
" " No. 2	....	5 50
Saw Vise	4 50	9 00

ENAMELLED WARE.

White, Princess, Turquoise, Blue and White, discount 50 per cent.
Diamond, Famous, Premier, 50 and 10 p.c.
Granite or Pearl, Imperial, Crescent, 50, 10 and 10 per cent.

WIRE.

SMOOTH STEEL WIRE.

No. 0-9 gauge.....		$2 60
10 "		6c. extra.
11 "		12c. "
12 "		20c. "
13 "		30c. "
14 "		40c. "
15 "		55c. "
16 "		70c. "

Add 60c. for coppering and $2 for tinning.

Extras net per 100 lb. — Oiled wire 10c., spring wire $1.25, special hay baling wire 30c., best steel wire 75c., bright soft drawn 15c., charcoal (extra quality) $1.25, packed in casks or cases 15c., bagging and papering 10c., 50 and 100-lb. bundles 10c., in 25-lb. bundles 15c., in 5 and 10-lb. bundles 25c., in 1-lb. hanks 50c., in ½-lb. hanks 75c., in ¼-lb. hanks $1.

Fine Steel Wire, dis. 22½ per cent. List of extras: In 100-lb. lots: No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, 7.65—No. 24, $8—No. 25, $9—No. 26 $9.50—No. 27, $10—No. 28, $11 No. 29. $12—No. 30, $13—No. 31, $14—No. 32 $15, No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31 $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles, 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.50 to $3 85—No. 9, $2.85 to $3.15—No. 10, $3.60 to $3.95—No. 11, $3.70 to $4.10—No. 12, $3 to $3.30—No. 13, $3.10 to $3.40—No. 14, $4.10 to $4.50—No. 15, $4.60 to $5.05—No. 16, $4.85 to $5.35. Base sizes, Nos. 6 to 9 $2.52½ f.o.b. Cleveland.
Clothes Line Wire, regular 7 strand, No. 17, $4.65; No. 18, $2.90; No. 19, $2.60. Hollow 6 strand, No. 17, $4.30; No. 18, $2.70, No. 19, $2.35; No 20, $2.30, f.o.b. Hamilton, Toronto Montreal.

WIRE FENCING.

Galvanized barb	....	3 00
Galvanized, plain twist.....	....	3 00

Galvanized barb, f.o.b. Cleveland, $2.77½ in less than carlots, and $2.65 in carlots

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net..	1 25

WASTE COTTON.

	per lb.
Colored.....	6
White	8

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 60 p.c.
Coe's Genuine, dis. 20 to 25 p.c.

Towers' Engineer, each.....	2 00	7 00
" S., per doz.....	5 80	6 00
G. & K.'s Pipe, per doz.....	....	3 40
Burrell's Pipe, each.....	....	3 00
Pocket, per doz.....	0 25	2 00

WRINGERS.

Leader..... per doz.	$30 00	33 00
Royal Canadian.. "	....	24 00
Royal American., "	....	24 00
Sampson..... "	....	24 00

Terms 4 months, or 3 p.c. 30 days.

WROUGHT IRON WASHERS.

Canadian make, discount, 40 per cent.

ADVERTISING in WESTERN CANADA

will be Carefully Efficiently, and Promptly attended to, by

The Roberts Advertising Agency,
WINNIPEG CANADA.

The Batty Stove & Hardware Co.

Successors to

The Toronto Branch of THE COPP BROS. CO., Limited.

Wholesale dealers in

MANTELS, GRATES, TILES, ETC.

HOT-AIR REGISTERS.

HOT-AIR DAMPERS.

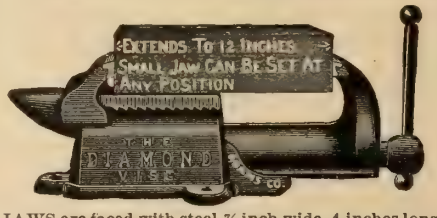
STOVE AND FURNACE CEMENT: 3½ and 5-lb. Cans.

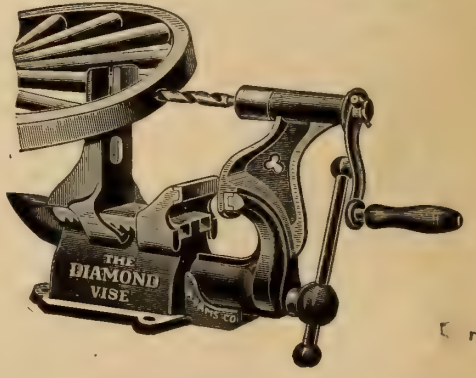
STOVE POLISH. STOVE REPAIRS.

THE BATTY STOVE & HARDWARE CO.
279 Queen West, TORONTO.

DIAMOND VISE AND DRILLING ATTACHMENT

U. S. Patent Jan. 15, '95. Canadian Patent July 22, '95.





JAWS are faced with steel ⅞ inch wide, 4 inches long, firmly fastened to jaw, checked and hardened.
VISE weighs 38 pounds. DRILL weighs 13 pounds.
For Sale by Jobbers of Hardware.

Made by—
The Adams Company, Dubuque, Iowa, U.S.A.
Made by **A. R. Woodyatt & Co.,** Guelph, Ont.

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY MONTREAL.

Watch our ad. in next issue, or write to us for particulars on our patented

Automatic Door Strip and Weather Strip

Specially adapted for cold climates and takes the place of the inner window.

HELMS & HELMS, 148-50 Willow St., PHILADELPHIA.

Standard Paint & Varnish Works. Limited
Makers of High Grade Varnishes, Japans, Paints, Colors & Enamels.
Windsor, Ont.



Ontario Nut Works, Paris

BROWN & CO.

Manufacturers of

All sizes of Hot Pressed Nuts, Square and Hexagon.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker,

13 St. John Street, Montreal

Representing British and American Manufacturers. Correspondence invited from firms wishing to be represented in Canada.

"THE EMLYN" SAW BENCH

Made in 6 sizes. Best value obtainable. Specially designed for export With or without "Emlyn" Patent Guard. Sole maker—

CHARLES D. PHILLIPS,

Cables—"Machinery," Newport. Emlyn Engineering Works, NEWPORT, MON., ENGLAND.

ONTARIO SILVER CO.,

Limited,

NIAGARA FALLS, CANADA.

Manufacturers of **FLATWARE, CUTLERY and ELECTRO PLATE. . . .**

Ask for our Catalogue and Quotations.

It does matter what quality of paper you use in your office stationery.

"Windsor Mills"

is a paper that will not disappoint. Its smooth surface—good body—and color stamp it as a paper with quality behind it.

—See that your printer or stationer —supplies you with this paper.

CANADA PAPER CO., Limited

TORONTO and MONTREAL

Buy the Best.



HERCULES

Sash Cord.

Star Brand Cotton Rope

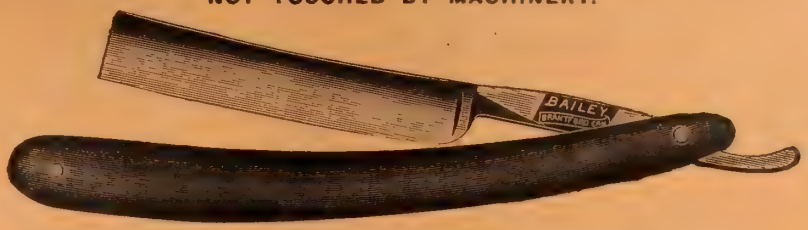
Star Brand Cotton Clothes Lines

Star Brand Cotton Twine

For Sale by all Wholesale Dealers

HAND-FORGED **RAZORS** HAND-GROUND

NOT TOUCHED BY MACHINERY.



Fully Warranted. Ask for Catalogue.

Made in Canada by

Manufacturers of Steel-Laid Shears and Scissors, Hand-Forged Butcher Knives and Tinners' Snips.

BAILEY CUTLERY CO., LIMITED

BRANTFORD, ONTARIO.

CHAS. F. CLARK, President. **JARED CHITTENDEN, Treasurer.**

...ESTABLISHED 1849...

BRADSTREET'S

Capital and Surplus, $1,500,000. **Offices Throughout the Civilized World.**

Executive Offices: Nos. 346 and 348 Broadway, New York City, U.S.A.

THE BRADSTREET COMPANY gathers information that reflects the financial condition and the controlling circumstances of every seeker of mercantile credit. Its business may be defined as of the merchants, by the merchants, for the merchants. In procuring, verifying and promulgating information, no effort is spared, and no reasonable expense considered too great, that the results may justify its claim as an authority on all matters affecting commercial affairs and mercantile credit. Its offices and connections have been steadily extended, and it furnishes information concerning mercantile persons throughout the civilized world.

Subscriptions are based on the service furnished, and are available only by reputable wholesale, jobbing and manufacturing concerns, and by responsible and worthy financial, fiduciary and business corporations. Specific terms may be obtained by addressing the Company at any of its offices. **Correspondence Invited.**

——OFFICES IN CANADA——

HALIFAX, N.S.	HAMILTON, ONT.	LONDON, ONT.	MONTREAL, QUE.
OTTAWA, ONT.	QUEBEC, QUE.	ST. JOHN, N.B.	TORONTO, ONT.
VANCOUVER, B.C.	VICTORIA, B.C.	WINNIPEG, MAN.	

THOS. C. IRVING, Gen. Man. Western Canada, Toronto. JOHN A. FULTON, Gen. Man. Eastern Canada, Montreal.



Established 1832. Cable Address, "BLISS."

MANUFACTURERS

Wood Turnings, Hand Bench and other Screws Mallets, Handles, Vises Clamps, Tool Chests Croquet, Lithographs Wood Toys, Novelties

and also the celebrated

Wood's Patent Car Gate

For Street and Steam Railroad Cars.

The R. BLISS MFG. CO.

Pawtucket, R.I., U.S.A.

Canadian Representative: ALEXANDER GIBB, 13 St. John St., MONTREAL.

75 YEARS. *ESTABLISHED 1825.* *75 YEARS.*

CELEBRATED **HEINISCH** SHEARS.

Tailors' Shears, Trimmers, Scissors, Tinners' Snips, etc.



ACKNOWLEDGED THE BEST.

R. HEINISCH'S SONS CO.

NEW YORK OFFICE, 90 Chambers St. NEWARK, N.J., U.S.A.

Not connected with any Shear Combination.

Est. 1862 — Inc. 1895

Black Diamond File Works

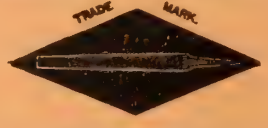
G. & H. Barnett Company

PHILADELPHIA

Twelve Medals



Awarded
By **JURORS** at
International Expositions
Special Prize
Gold Medal at Atlanta, 1895



RUBBER HOSE

FOR

Water	Air	Suction
Steam	Acids	Fire Protection
Gas	Brewers	Pneumatic Tools

SUPERIOR IN QUALITY.
SATISFACTORY IN SERVICE.

When you want anything made of rubber, write to us.

THE GUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

Head Office and Warerooms—
45-47-49 West Front St.

TORONTO,

Factories—115-165 West Lodge Ave.
124-148 O'Hara Ave.

CANADA.

We have in stock:

- Gold and Metal Leaves
- Chamois Skins
- Glaziers' Diamonds
- Graining Combs
- Dry White Lead
- Red Lead
- Litharge
- Orange Mineral
- Zinc Oxides
- Whiting

and shall be pleased to quote lowest prices on application.

B. & S. H. THOMPSON & CO.

53 St. Sulpice Street,

MONTREAL.

CORDAGE

ALL KINDS AND FOR ALL PURPOSES.

Manila Rope	Lathyarn
Sisal Rope	Shingleyarn
Jute Rope	Bale Rope
Russian Rope	Lariat Rope
Marline	Hemp Packing
Houseline	Italian Packing
Hambroline	Jute Packing
Clothesiines	Drilling Cables
Tarred Hemp Rope	Spunyarn
White Hemp Rope	Pulp Cord
Bolt Rope	Lobster Marlin
Hide Rope	Paper Cord
Halyards	Cheese Cord
Deep Sealine	Hay Rope
Ratline	Fish Cord
Plow Lines	Sand Lines

"RED THREAD" Transmission Rope from the finest quality Manila hemp obtainable, laid in tallow.

CONSUMERS CORDAGE COMPANY, Limited

Western Ontario Representative—
WM. B. STEWART,
Tel 94. 27 Front St. West, TORONTO.

MONTREAL, QUE.

The leading wholesale houses handle LANGWELL'S BABBIT
MONTREAL.

CANADIAN
HARDWARE
AND METAL MERCHANT

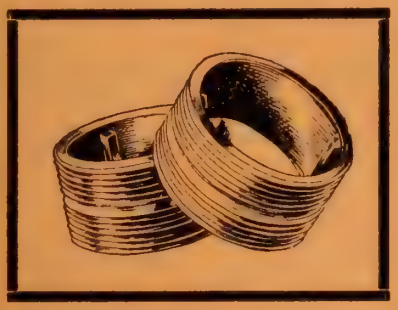
The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XIV. MONTREAL AND TORONTO, MARCH 15, 1902 NO. 11.

POCKET KNIVES
H. BOKER & COS
IMPROVED
TREE BRAND
TRADE MARK
RAZORS CUTLERY SCISSORS
FOR SALE BY LEADING WHOLESALE HARDWARE HOUSES.

Insist on your
Eave Trough
—and—
Conductor Pipe
being made of "Queen's Head" Iron.
It wont rust or turn black.
JOHN LYSAGHT, Limited, Makers, BRISTOL, ENG.
A. C. LESLIE & CO., MONTREAL, Managers Canadian Branch.

"That Made the Hit"



This is a drawing of the Patent Connection that made the "SAFFORD" famous the world over; that revolutionized radiator building; that made it possible to put a radiator together without bolts, red lead, rods or packing.

The "SAFFORD" is the only radiator on the market for hot-water and steam heating. It means satisfaction every time—is easy to handle for the contractor.

If you have not our Catalogue, write to us.

THE DOMINION RADIATOR CO., Limited
Head Office and Works: DUFFERIN ST. TORONTO, CAN.

SPRING 1902.

GARDEN TOOLS

HOSE and SPRINKLERS.

RICE LEWIS & SON

LIMITED

WRITE FOR PRICES. TORONTO.

We Sell

BLACK AND GALVANIZED SHEET IRON.

We are prepared to execute your order for one bundle or your contract for a hundred tons.

We Sell

TIN PLATES OF ALL GRADES AND SIZES.

We can fill your order for a single box or for half a dozen carloads, shipped from our stocks or for direct importation.

We Sell

ANTIMONY, COPPER, TIN, LEAD, ZINC.

Sheet Zinc, Sheet Copper, Sheet Brass, Tinned Sheets, Canada Plates.

We have been selling these goods for about half a century and we know the business pretty well. We can serve you promptly and intelligently. Give us the opportunity.

M. & L. SAMUEL, BENJAMIN & CO.

27 Wellington St. West, TORONTO, ONT.

English House: SAMUEL, SONS & BENJAMIN, 164 Fenchurch St., LONDON, E.C.

THEY'RE ALL ALIKE

THAT'S THE BEAUTY OF THE

CARBO MAGNETIC



Sold by all Leading Jobbers.

FIRM OF

A. L. SILBERSTEIN

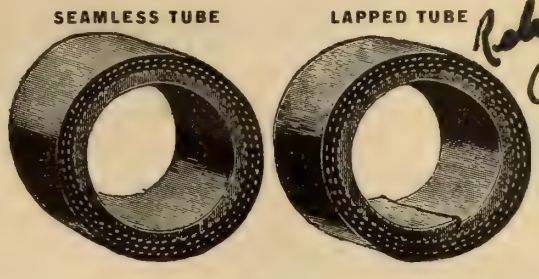
Mfrs of "Griffon" CUTLERY

BOOKLET COMING—
if you'll ask for a copy with trade discount.

459-461 Broadway, NEW YORK CITY.

GARDEN HOSE

Seamless Tube.



Returned to C. R. Co. 18/3/02

All brands of our **GARDEN HOSE** are made with our

Patent Seamless Tube

WRITE FOR DISCOUNTS.

The Canadian Rubber Co.

MONTREAL TORONTO WINNIPEG

Other Tools are very good Tools, but

"YANKEE TOOLS"

ARE BETTER



No. 15. "Yankee" Ratchet Screw Driver, with Finger Turn on Blade.



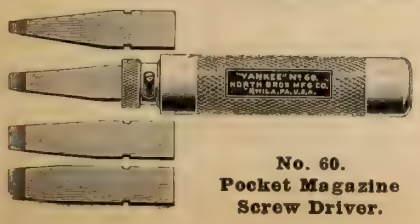
No. 30 "Yankee" Spiral-Ratchet Screw Driver, Right and Left Hand.



No. 41. "Yankee" Automatic Drill, Eight Drill Points in Handle.



No. 50. "Yankee" Reciprocating Drill, for Iron, Steel, Brass, Wood, etc.



No. 60. Pocket Magazine Screw Driver.

Our "YANKEE" Tool Book tells all about them. Mailed free on application. . . . . .

Manufacturers also of

LIGHTNING, GEM and BLIZZARD Ice Cream Freezers.

Toy Freezers, Ice Shaves and Ice Chippers.

Fluting Machines, Hand Fluters.

Sold by Leading Jobbers in Canada.

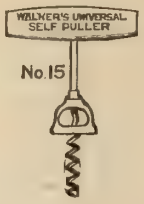
NORTH BROS. MFG. CO.,

Philadelphia, Pa., U.S.A.

See! You Don't Have to Pull. A Child Can Do It.

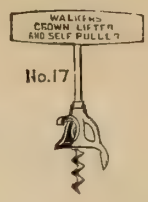












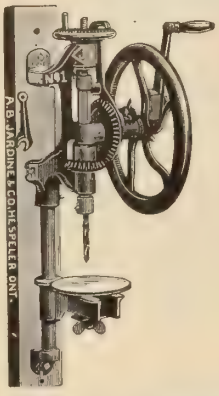


Walker's Self-Pulling Cork Screws

Made of Crucible Steel, Nickel Plated, Polished Apple Wood Handles.

EVERY ONE TESTED AND GUARANTEED. Several imitations on the market, but none as good

Mfrd. only by **ERIE SPECIALTY CO., Erie, Pa., U.S.A.**

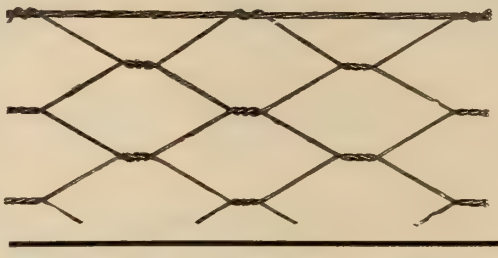


TRADE MARK J REGISTERED.

Blacksmiths' Hand Drills.

The very best.

A. B. JARDINE & CO.
HESPELER, ONT.

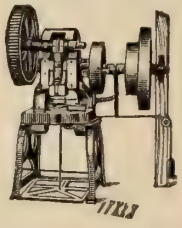


First-class **FARM FENCING**

only 30 cents per ROD

For Sale by With Discount to Dealers.

The Ontario Wire Fencing Co.,
PICTON, ONT. Limited.



G. A. Crosby & Co. of Ontario,

SARNIA, ONT. LIMITED

Manufacturers of

Patent Automatic Can Making Machinery, Presses, Dies and Special Machinery for Working Sheet Metal.

Lockerby & McComb

AGENTS IN CANADA

FOR THE

Celebrated P. & B. Cold Storage Lining

AND

. . Ruberoid Roofing . .

P. S.--Prices on Application.

65 Shannon Street, MONTREAL.

The Frost Wire Fence Company, Limited

WELLAND, ONT.

FACTORIES AT CLEVELAND, OHIO, AND WELLAND, ONT.

MAKERS OF **Frost Fencing, Frost Steel Gates, and Coiled Spring Wire.**

CLOSEST PRICES QUOTED ON APPLICATION.

DEALERS

Do you sell the "GLORIA" Light?

WHY NOT?

Our goods are the best—our prices are the lowest. Our "United Gloria" Triple Weave Mantle is the strongest and most brilliant mantle in the market. We manufacture it and know when we sell it it will bring repeat orders. We manufacture "United" Single Weave and Gasoline Mantles and carry a large stock of Burners, Chimneys, Bulb Globes, Fancy Etched and Ruby Globes.

SEND FOR PRICE LIST.

THE UNITED INCANDESCENT LIGHT CO.

Phone Main 969. **7 Yonge St. Arcade, Toronto.**

Telephone: MAIN 2927 Cable Address: "TIMA"

The International Mercantile Agency

JANES BUILDING . . . of TORONTO

begs to announce to the Manufacturers and Merchants of Canada that they have the most effective system for collecting past due and old accounts in Canada, United States and Europe, without using offensive methods to debtors. Our reputation has been established by doing business on business principles, and prompt remittances, and we will be pleased to refer prospective clients to the hundreds of patrons we are doing business with.

We will be pleased to quote our rates on application or send one of our representatives to call on you. Correspondence solicited.

THE INTERNATIONAL MERCANTILE AGENCY OF TORONTO

THEY'RE IN;

Our big line of **SCREEN DOORS** and **WINDOW SCREENS** for Season 1902.

YOU'RE OUT

for the best goods at the lowest prices, then write us.

OUR STOCK

is now at your disposal. Only the best seasoned lumber used in their construction. Place your orders now while stock is complete.

YOUR CHOICE

in pattern or size is easily met. Better let us book your order now.

LEWIS BROS. & CO.

MONTREAL

TORONTO: 87 York St.

OTTAWA: 54 Queen St.

SCREEN WIRE CLOTH

SCREEN DOOR LATCHES

SCREEN DOOR HINGES

SCREEN CORNER BRACES

HENRY ROGERS, SONS & CO.,

SHEFFIELD, ENGLAND

Manufacturers of the celebrated



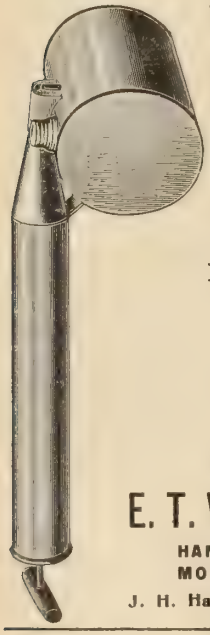
BAR IRON.

Barb and Plain Wire.

Canadian Office:

6 ST. SACRAMENT ST., MONTREAL

F. A. YORK, Manager.



WRIGHT'S Insect Sprayers

PLAIN TIN,
LACQUERED,
ALL BRASS.

"BEST ON EARTH."

Manufactured by

E. T. WRIGHT & CO.

HAMILTON, ONT., and MONTREAL, QUE.

J. H. Hanson, Agent, Montreal.

KNOX HENRY

Heavy Hardware and Metal Broker
Room 32, Canada Life Bldg., MONTREAL.



Samples sent free on application.

HORSE NAILS—"C." Brand Horse Nails
Canada Horse Nail Co.

"BRASSITE" GOODS — Gunn Castor Co. Limited, Birmingham, Eng.

STANDARD TIN WORKS...

MANUFACTURERS OF

TINWARE AND TIN CANS

Fruit Cans, Meat Cans, Jacketed Oil Cans, Baking Powder Cans, Lard Pails, Etc.

JAS. A. McGOLPIN

156-162 Duke Street, TORONTO

CHURCH'S ALABASTINE



Ready for use by the addition of **COLD WATER.** A very important feature that is thoroughly protected by patents. Beware of imitations.

ALABASTINE is the **STANDARD WALL COATING THE WORLD OVER.** Is extensively advertised and in demand. Is made in Twenty Beautiful Tints and White. Is **PERMANENT** and hardens with age. Sells on its own merits. A liberal supply of advertising matter goes with every shipment of ALABASTINE.

A complete assortment is necessary to meet all requirements. Now is the time to order, if you have not already done so. The Trade supplied by Wholesale Hardware and Paint Dealers. Also by

The ALABASTINE COMPANY, Limited, PARIS, ONT.

STEVENS SINGLE BARREL SHOT GUN.

LATEST AND BEST SINGLE GUN ON THE MARKET.



MADE IN THREE STYLES THREE GAUGES UP-TO-DATE.

FINEST SINGLE GUN YET PRODUCED.

Our Goods are Handled by the Leading Jobbers.

J. Stevens Arms & Tool Co., P.O. Box 217 Chicopee Falls, Mass., U.S.A.

THE INDEPENDENT CORDAGE CO., Limited,

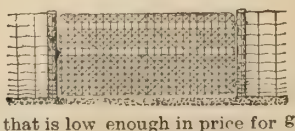
TORONTO.

Highest Award Pan-American Exposition

MANUFACTURERS OF ALL KINDS OF

SISAL MANILA **ROPE,** Lath Yarn, Shingle Yarn, Hide Cord, Pulp Cord, Clothes Lines. **BINDER TWINE**

Transmission Rope a specialty.



PAGE METAL GATES

are so low in price no one can afford to use wooden ones. Light, and yet strong enough to support a heavy man on the end while he swings around the circle without causing them to sag. They are neat in appearance, will last a lifetime. Will not sag nor get rickety. They are supplied with latches which allow them to be opened either way and are self acting. The only good metal gate that is low enough in price for General farm purposes. We also make Farm and Ornamental Fence, Poultry Netting, Nails and Staples. The Page Wire Fence Co., Limited, Walkerville, Ont.

H. & R. SINGLE GUN AUTOMATIC AND NON-EJECTING.

12 and 16 Gauges.
Steel and Twist Barrels.

Superior in Design, Workmanship and Finish, and the most popular Gun on the Market.

Simplest "Take Down" Gun Made.



HARRINGTON & RICHARDSON ARMS CO.

Also makers of H. & R. Revolvers,

Catalog on request. Worcester, Mass., U.S.A.

WINDOW GLASS—TO IMPORT.

Prompt Deliveries

EVERY KIND OF PLATE AND WINDOW GLASS IN STOCK.

BENT GLASS of all kinds, our own manufacture. Closest Prices.

TORONTO PLATE GLASS IMPORTING CO.,

Hill & Rutherford

Warerooms and Offices—135 to 143 Victoria St.
Bending Works—209 to 213 Victoria St.

TORONTO

Use Syracuse Babbitt Metal

IT IS THE BEST MADE.



For Paper and Pulp Mills, Saw and Wood Working Machinery, Cotton and Silk Mills, Dynamos, Marine Engines, and all kinds of Machinery Bearings.

Wire, Triangular and Bar Solder, Pig Tin, Lead, Ingot Copper, Ingot Brass, Antimony, Aluminum, Bismuth, Zinc Spelter, Phosphor Tin, Phosphor Bronze, Nickle, etc., always in stock.

CANADIAN WORKS, MONTREAL, P.Q.
AMERICAN " SYRACUSE, N.Y.

Syracuse Smelting Works



Steel Frame Churn.

DAVID MAXWELL & SONS

ST. MARYS, ONT., CANADA.

"Maxwell Favorite Churn"

PATENTED FEATURES: Improved Steel Stand, Roller Bearings, and Foot and Hand Lever Drive, and Detachable Driving Link. Improved for season of 1902. Steel or Wood Frame as desired.

Lawn Mowers. High and Low Wheels. from 12-in. to 20-in. widths. Cold Rolled Steel Shafting, Crucible Steel Knives and Cutting Plate.

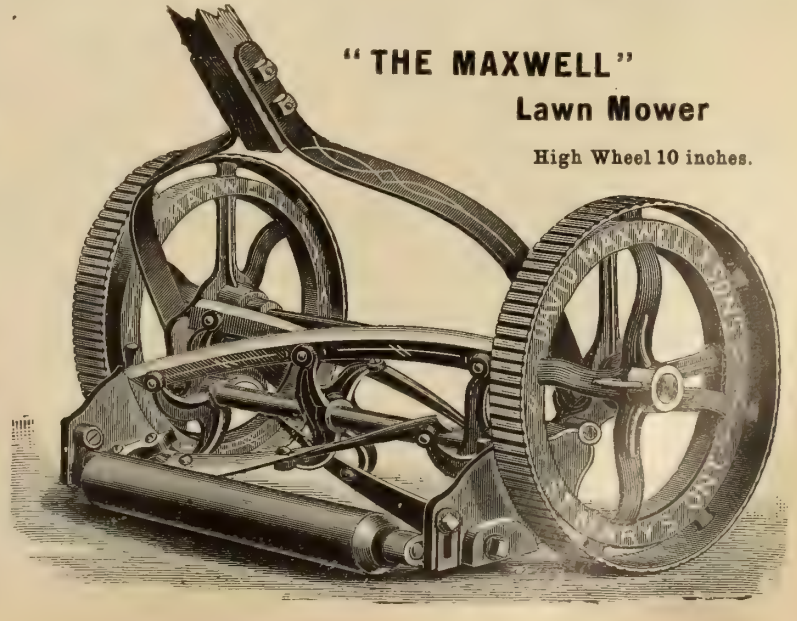
Wheelbarrows. In Four different Sizes.

If your Wholesale House does not offer you these articles

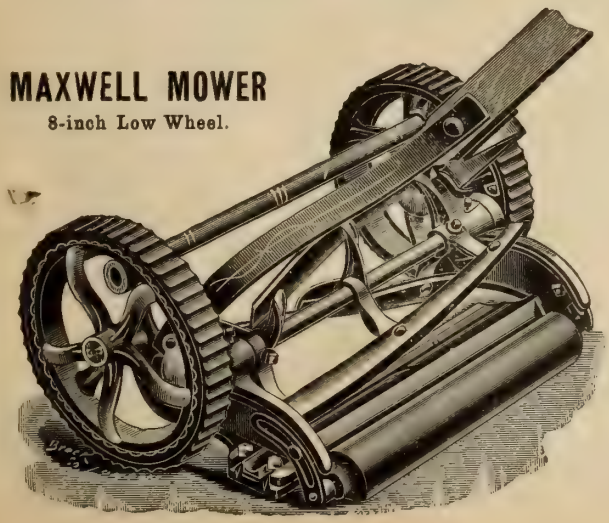
SEND DIRECT TO US.

"THE MAXWELL"
Lawn Mower

High Wheel 10 inches.



MAXWELL MOWER
8-inch Low Wheel.



The Best Selling Range Ever Made.

Popular with dealers in every part of the country because it is so enthusiastically praised by every buyer.

Our Imperial Oxford

has won its laurels—it is the favorite range of Canada —widely advertised and everywhere appreciated for its practical superi rity.

Are you familiar with its
Diffusive Flue Construction
Front Draw-Out Grate
Draw-Out Oven Rack
and other talking points



If there's any range business in your locality you'll get it by handling the Imperial Oxford. Fullest details if you write

THE GURNEY FOUNDRY CO., Limited
TORONTO. WINNIPEG. VANCOUVER.

THE GURNEY-MASSEY CO., LIMITED, MONTREAL.



Australasian Hardware and Machinery.

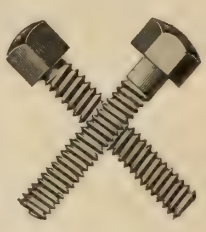
The Organ of the Hardware, Machinery and Kindred trades of the Antipodes.

SUBSCRIPTION $1.25 PER ANNUM,

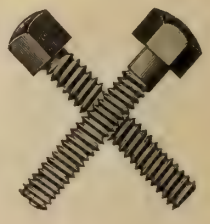
post free to any part of the world.

PUBLISHING OFFICES:
Melbourne - Fink's Buildings.
Sydney, - - - Post Office Chambers.
AMERICAN OFFICES:
New York, - Park Row Building.
BRITISH OFFICES:
London, - - - 42 Cannon St., E.C.

Specimen Copies on application.



Cap and Set Screws



CANADA FOUNDRY COMPANY.
LIMITED.

MACHINE SCREW DEPARTMENT

HEAD OFFICE: TORONTO, ONT.

MANUFACTURERS OF

Cap and Set Screws, Machine Screws,
Studs, Coupling Bolts,
Special Milled Work, etc.

SEND FOR PRICE LIST NO. 1001



COLD PRESSED
Square and Hexagon
NUTS



THE OSHAWA WIRE FENCE CO., LIMITED

OSHAWA, ONT.

Manufacturers of Woven Wire Fencing, Gates, Etc.

Also Dealers in Galvanized Fence Wire.

Agents Wanted.

Send for Catalogue and Prices.

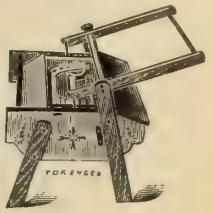


"DAISY" CHURN

Has tempered steel cased bicycle ball bearings, strongest, neatest and most convenient frame. Only two bolts to adjust in setting up. Steel Bow Levers, suitable for either a standing or sitting posture. Has four wheels and adjustable feet to hold stand steady while churning. When churn is locked to stand the bow can be used as handles to move it about on the front wheels as handy as a baby carriage. Open on both sides to centre, giving free space for pail. Made with wood or steel stands, with Cranks only, or Bow Levers as desired.

Vollmar Perfect Washer

Has a most enviable record. A perfection of its kind—will wash more clothes in less time, do it better and easier, with less wear and tear, than any other machine.



THE

Wortman & Ward Mfg. Co., Limited

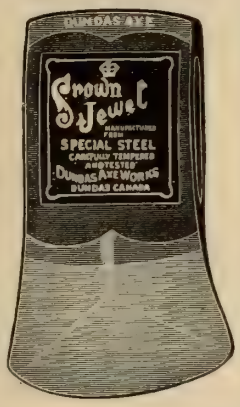
LONDON, ONT.

Eastern Branch, 60 McGill Street, Montreal, Que.

There are twelve Axes that sell well in every dozen of

DUNDAS AXES

Wait for travellers with samples before placing your orders.

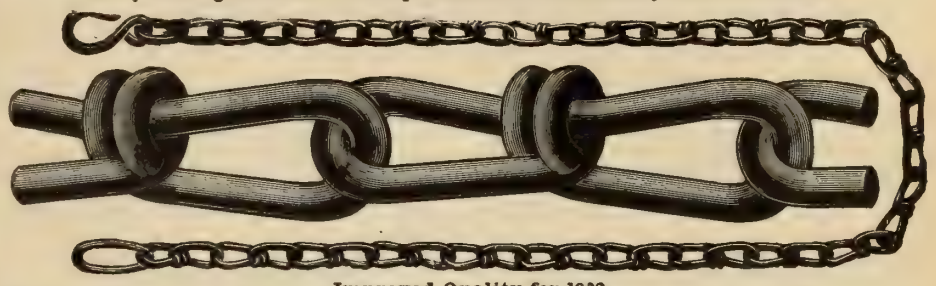


Dundas Axe Works, Dundas, Ont.

W. L. Haldimand, Jr., Montreal, Agent.

IMPROVED STEEL WIRE TRACE CHAINS.

Every chain guaranteed. Most profitable and satisfactory chain to handle.



Improved Quality for 1902.

THE B. GREENING WIRE CO., LIMITED

HAMILTON, ONT., AND MONTREAL, QUE.

ESTABLISHED 1750

THE EDINBURGH ROPERIE & SAILCLOTH Co Ld

TELEGRAPHIC ADDRESS ROPERIE

LEITH SCOTLAND



MANUFACTURERS OF EVERY DESCRIPTION OF



CORDAGE & CANVAS





MANILA ROPE
SISAL ROPE
NEW ZEALAND ROPE
RUSSIAN ROPE
JUTE ROPE
FISHING LINES
NETTING TWINES
PARCEL TWINES
SPUNYARNS & PACKINGS
BAILING ROPES & CORDS

TRADE MARK E R & Co 1750

SAILCLOTH
STEAMER CLOTHS
AWNINGS
TENT CLOTHS
DUCKS
PRESSING CLOTHS
TARPAULINGS
CHEMICAL WATERPROOF
SEAMING TWINES
ROPING TWINES



BUYERS OWN SAMPLES MATCHED AT LOWEST TRADE TERMS

ADDRESS ALL COMMUNICATIONS TO OUR CANADIAN OFFICE AND STORES,

THE EDINBURGH ROPERIE & SAILCLOTH CO'Y, Limited, - - 9 St. Peter Street, MONTREAL.

Locks and Builders' Hardware.

We have a most complete line of all these goods, including the very newest ideas in

Bronze and Brass Knobs, Door Sets and Escutcheons.

LOCKS AND LATCHES OF ALL KINDS.

Any dealer asking for a catalogue will be sent full prices, discount sheets, etc., etc. Drop a card.

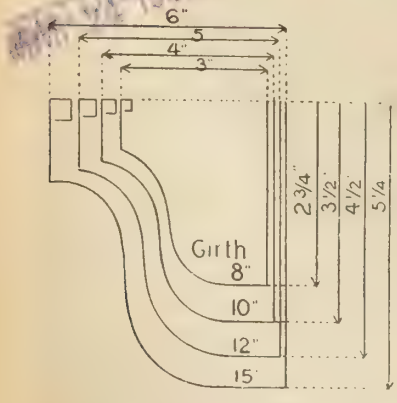
ESTABLISHED 1843. INCORPORATED 1893.

The Gurney-Tilden Co., Limited

Hamilton, Toronto, Montreal.

AGENCIES:—SAINT JOHN, N. B., VANCOUVER, B C.

HOW IS YOUR STOCK OF TROUGH?





We can supply you with all styles and sizes. **O. G.** (Round and Square Bead), and **Half-Round Patterns.** Made in 8 and 10 ft. lengths.

Conductor Pipe, Plain and Corrugated. **Conductor Pipe, Elbows, Shoes, Hooks** and **Gutter Spikes.** In fact, everything a tinner needs.

Galvanized Sheet Iron from stock or import. "Queen's Head," "Fleur de Lis" and "Apollo" brands. We will be pleased to quote you.

PROMPT shipment a specialty.

KEMP MANUFACTURING CO'Y, - - Toronto, Canada.

HARDWARE AND METAL

VOL. XIV. MONTREAL AND TORONTO, MARCH 15, 1902. NO. II.

President:
JOHN BAYNE MacLEAN,
Montreal.

The MacLean Publishing Co.
Limited

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P.E. Island and Newfoundland.

OFFICES.

MONTREAL - - - - 232 McGill Street. Telephone 1255.
TORONTO - - - 10 Front Street East. Telephone 2701 and 2702.
LONDON, ENG. - - 109 Fleet Street, E.C. W. H. Miln.
MANCHESTER, ENG. - - 18 St. Ann Street. H. S. Ashburner.
WINNIPEG - - - Western Canada Block. J. J. Roberts.
VANCOUVER, B.C. - - - Flack Block. J. A. Macdonald.
ST. JOHN, N.B. - - No. 3 Market Wharf. J. Hunter White.
NEW YORK - Room 442 New York Life Bldg.

Subscription, Canada and United States, $2.00.
Great Britain and elsewhere - - 12s.

Published every Saturday.

Cable Address { Adscript, London. / Adscript, Canada.

WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

THE HARVEST TOOL SITUATION.

QUITE a strong tone has developed on the harvest tool market in both Canada and the United States.

Since our last issue there has been an advance of 7½ to 8 per cent. in the price of harvest tools of Canadian manufacture, the discount now being 60, 10 and 10 per cent. Scythes and other goods quoted at net figures are without change.

Last autumn, it will be remembered, here was a reduction of about 40 per cent. in prices. It is said that at the prices which have been ruling since then the manufacturers have not been making money. They evidently were not doing bad before that, however.

The reduction that was made in prices last autumn was due to the collapse of the agreement among the manufacturers in the United States, which left them free to sell in Canada as well as in the home market at open figures. Until the collapse of the agreement in the United States there was an understanding between them and the manufacturers of this country whereby the one was not to interfere with the trade of the other. As our readers are aware, this understanding no longer exists, with the result that a large business has been done on Canadian account by some of the manufacturers in the United States.

One firm, The American Axe and Tool Co., sold through its Canadian representatives all the scythes that it could make for this market. In fact, it was compelled to refuse orders. And it is alleged that Canadian manufacturers have endeavored to prevent dealers from importing certain lines from the United States by threatening to refuse to supply other lines if they did so.

How, hitherto, the Canadian manufacturers have controlled the market in scythes may be gathered from a glance at the following table showing the imports of scythes, snaths and reaping hooks during the last two years :

	1900. Dozens.	1901. Dozens.
Scythes, snaths and reaping hooks.....	3,238	3,181

Figures for the present fiscal year are, of course, not yet obtainable.

The Canadian import duty on harvest tools is 25 per cent.

At present the harvest tool situation in the United States appears to be even stronger than it is in Canada, as far as prices are concerned. Owing to the activity of the demand there is difficulty in filling orders, and prices have been advanced about 10 per cent., while it is intimated that another advance is not at all improbable.

BUY WISELY.

ALTHOUGH the prospects for a continuance of the present active condition of trade are bright, merchants should be careful not to allow themselves to be persuaded to overstock. There is nothing, probably, that, as a rule, is more conducive to hard times than reckless buying.

The demoralization which characterized the iron and hardware trade in the United States and Canada for several months in 1900 was due to excessive buying ; for the action of the Steel and Wire Trust in suddenly reducing prices $20 a ton was in turn born of the fact that dealers had more rails and wire on hand than they required.

Excessive buying is speculation, and speculation is not a good thing for the permanency of trade.

Whatever is salable is advertisable. It is true and ever true that a supply can create a demand as surely as a demand will bring about a supply. If one have anything, however simple, which another might want, he will have no trouble in finding customers provided he advertises judiciously and properly.

TRAVELLERS' LIFE INSURANCE.

A MEETING of considerable interest to many of our commercial friends was held on Saturday at St. George's Hall, Toronto, when the adjourned annual meeting of the Commercial Travellers' Mutual Benefit Society took place. For some months past, considerable interest has been taken in this matter, as the rates charged by this society have been under discussion. It would appear that during the months of May, June and July last the directors of this institution found that owing to several claims on their funds being held over from the year 1900 to that of 1901, and that the death rate for the first months in 1901 was rather higher than usual, that the income from the regular assessments was likely to be insufficient to meet the claims of the policies falling due, and as they feared that making special calls might be objectionable to some members of the society, they called a special meeting to consider the desirability of advancing the rates on all persons who were then members of the society. This was considered important, as in the early history of the society the scale of rates charged was very low, and that it was then found that no less than three different classes of rates were being used.

As the attendance at this meeting was not very large, owing to many persons being away on their holidays, it was considered wise to hold over the consideration of the rates then proposed by the board until the annual meeting. At the annual meeting, in January, it was found that two members had given legal notice of amendments which they proposed for the consideration of the Association. As a new board of directors had been elected, a resolution was then passed that the meeting should be adjourned for six weeks, to give the new board an opportunity of considering the whole matter of rates and introducing their policy. At this meeting, which took place on Saturday last, a rate was proposed that was claimed to be based upon a report presented some years ago by Mr. Blackadar, of the Insurance Department at Ottawa, in an address that he gave before the actuaries of this country, which he offered as the experience of one of our oldest life insurance companies as their actual cost, without anything being allowed for agents' expenses or loss on investments, or anything of this character. This scale has since been considered by Mr. Howard Hunter, of the Ontario Government Insurance Department, and, by his advice, engrafted into the insurance laws of Ontario. It has also been adopted by the Province of Quebec.

In the discussion which took place on Saturday, it was claimed that these rates would be found to be positively safe for the adoption of the Mutual Benefit Society, and in comparison with the largest assessment association doing business in the world, it was found to be a very small percentage higher than the one used by them. At the same time by comparison it was shown that it was lower than the lowest rate used by any regular insurance company doing business in Canada on the all-life plan, without any participation in profits. This scale of rates was made a substantive motion at the meeting, as only such motions as had been properly advertised before the annual meeting could be introduced to this adjourned meeting, but to which any amendment might be moved, the new board of directors presented their alternative as an amendment to this scale of prices.

Special Notice to Advertisers.

ON account of the large amount of additional press work connected with the issuing of the Special Spring Number of HARDWARE AND METAL next week, we wish to notify regular advertisers that all advertising matter, instructions for changes, etc., etc., must reach us on **MONDAY, 17th inst.**, in order to take effect in the issue of March 22.

THE PUBLISHERS.

In the report of the president he showed that two regular line companies were anxious to take over the business of the Mutual Benefit Society, one of them demanding that each member should pass a medical examination, and the company have the privilege to accept or reject same. The other company offered to take all the members without medical examination. The rate to be charged in future in each case, taking the ages at which the members joined the association, was only a slight advance over the lowest rate found not offered by any regular line insurance company, but each policy was expected to have charged to it a lien for the number of years the person had been a member of the Mutual Benefit. After a full discussion these two plans were voted on. The policy proposed by the board of directors to transfer the business to the regular line asking for the medical examination was voted down at once. Then the first resolution to adopt the scale proposed by Mr. Fielding, which was claimed to be about equivalent to the rates spoken of as proposed by Mr. Hunter and Mr. Blackadar, but when the votes were counted for and against, it was found that it lacked a few of being the full two-thirds majority of those present, which any change of the by-laws must have in order for it to have force and effect, consequently no change has thus far been effected in the rates of the society.

The board of directors then announced that this might necessitate the making of some special calls during the present year.

As considerable comment has been made on the stability of this organization and the probability of their continuing to do business, we have made some little investigation and find that even with the three special calls that may be made this year before anything is taken from the surplus, the amount to be paid will not exceed the lowest rate charged by any regular life insurance company doing business in Canada, and, as the reserve fund of $36,000 appears to be larger than many assessment companies doing business in Canada, there does not appear to be any necessity for alarm.

The Bulletin of Assessment Life Insurance Chart, issued for the year 1901, shows that there are no less than 12 insurance companies doing business in Canada whose average reserve only amounts to $5.71 per thousand of the insurance they carry, while the same report gives $14.79, being the amount of the reserve for every $1,000 carried by the C. T. Mutual Benefit Society. This would appear to be a guarantee of the solvency of the Association.

TRADE IN COUNTRIES OTHER THAN OUR OWN.

SKATE SALES IN ENGLAND.

THE prolonged frost has led to a great demand for skates, and many ironmongers doubtless have been able to clear out the accumulations of several seasons. Last year was a bad year for the skate trade, but this year retailers' stocks have been exhausted, and the result has been urgent pressure upon the Sheffield works. From the retailers' point of view it is satisfactory to note that one of the features of the trade during the last few weeks has been the widespread demand for skates of the finest patterns and, consequently, of the highest prices. — Hardwareman.

PIG IRON MARKET IN SCOTLAND.

There has not been quite so much animation in the Glasgow market for pig iron warrants during the week, but, at the same time, proceedings have evoked a great deal of interest, which was not confined to local centres. Some 20,000 tons was about the average turnover, all classes included. London has been a steady operator from day to day, sometimes buying and at others securing profits, yet, on balance, it is believed that the quantity held in the South has, if anything, grown during the eight days. Dealers in Canada have been purchasing Cleveland warrants, but whether on speculation or with a view of future shipments cannot be said. So far as known there has been only one boat fixed—the Myrtledene—to carry iron from Middlesborough to Philadelphia. Another steamer, to take 5,000 tons, will probably be loading by the time these lines appear. There is no question as to the large extent of the inquiries for iron and semi-manufactured steel which have been received from the United States. The prices named by the buyers, however, are altogether unworkable, being shillings below what can be commanded for home business. Merchants having close relations with America are confident that large quantities of both iron and steel will require to, and are sure to, go to the United States, and next month, it is said, will witness a big expansion of exports across the Atlantic. On the other hand, it remains that manufacturers are not managing to put much real business through, and there is no probability of such unless the Yankees raise the terms of their offers. Some people go the length of suggesting that the rise in values on this side has been artificially aided by the Americans so as really to prevent imports, of which as a nation they do not wish to admit the necessity. At the same time public and private advices from all the leading industrial centres show that the American position is phenomenally active and healthy, and if consumption overlaps production to the extent indicated—and continues to do so—it is hard to see how America can overtake her requirements without drawing upon foreign resources. The dealing in Scotch warrants on the week has been comparatively light, yet the price has risen 9d., to 54s. sellers. Cleveland has receded 1½d., to 47s. 11d.; but hematite has risen 5d., to 59s. 3d. one month. Connal's stock of Scotch iron has decreased 520 tons to 54,400 tons, but the aggregate stock in the United Kingdom is 1,830 tons greater, at 216,376 tons.

WIRE AND WIRE NAILS IN THE STATES.

The American Metal Market says: "Independent wire and wire nail mills are rapidly filling up with orders, and, at a meeting of makers to be held in the latter part of March, prices will probably be advanced $2 per ton. Muck bar is scarce. Pig iron is quiet."

TINPLATES IN GREAT BRITAIN.

The market is strong, with an upward tendency, owing partly to the firmness of steel, and partly to the excellent demand experienced from all quarters, America included. There is some grumbling by makers regarding the unwillingness of the leading steel-bar makers to book contracts for future delivery, and it is alleged that this cause of action is hampering business. There has been some heavy buying, and large orders are still awaiting execution. 14 x 20, 13s. 9d. to 14s., 28 x 20, 14s. to 14s. 6d. (half-boxes). Quarters, 13s. 9d. to 14s.; 14 x 20 wasters, 13s. Three-quarter wasters, 12s. 9d., all f.o.b. Wales.—Ironmonger, March 1.

NEW YORK METAL MARKET.

IRON—Although nearly all consumers of pig iron have contracts for supplies amply sufficient for their requirements for months to come, the delays in deliveries from the furnaces are causing a very strong demand for metal to keep the foundries going until supplies due on contracts are forthcoming. The necessity felt for getting material at once is so great that the question of price receives little consideration at the hands of buyers, who cheerfully pay high premiums on such lots as they can get, and we learn that up to $25 has been paid in several instances on small lots for immediate delivery. Many foundries, it is reported, cannot get enough fuel and iron to keep going, and more of them are shut down at present on this account than at any time within a year. There are many inquiries in the market for large as well as small lots of foundry pig iron for delivery before July 1, very few of which, it is said, can be filled. One prominent Southern company is reported to have received within a few days from its various agencies inquiries for 40,000 tons for early delivery, but is not in a position to negotiate sales for any part of this quantity. The expected advance in the price of Southern foundry iron has not yet been made, but it is believed to be a question of but a short time before the higher rates are established.

TINPLATE — The market has a tame appearance, the current wants of consumption being covered by contract deliveries and little new business being reported. There has been no change made in quotations.

TIN—There was a decided break in spot tin to-day and the market closed dull at 75 points under last night's closing figure. There is very little consuming demand yet, as buyers' requirements are well covered by contracts. Speculative interest is wholly wanting. None of the Acara's cargo has yet come up, but the first of it is expected here to-morrow. At the close spot was offered at 26.75c., with 26.50c. bid. March was quoted at 25.37½c. bid and 25.60c. asked, April at 25 to 25.50c., May at 24.75 to 25.25c., and June at 24.50 to 25c. Spot tin in London advanced 5s. this morning, but lost 15s. later, closing 5s. below last night's figures. Futures declined 15s. for the day. The tone at the close in the English market was easy. To morrow the monthly auction sale of 6,000 piculs will be held in Batavia. The Crown Point has arrived at Philadelphia with 25 tons and the Statendam is landing 20 tons here, making the total arrivals since the beginning of the month 675 tons.

COPPER—The market is still in an uninteresting condition. Very little demand comes from consumers and speculative buyers do not appear to be interested. Quotations remain at 12¼c. bid and 12½c. asked for Lake and 12⅛c. bid and 12⅜c. asked for either electrolytic or casting. London cabled a quiet, easy market, with a further decline of 2s. 6d. in spot and 5s. in futures.

PIG LEAD—A featureless market was noted here, with prices unchanged at 4.10 to 4.15c. as to quantity and time of delivery. The reports from St. Louis indicated an easier feeling there, 52 tons of Granby selling at 4.02½c. No further change in the London market was reported.

SPELTER—The market remained quiet but fairly steady at 4.22½ to 4.27½c. The tone of the St. Louis market was firm, the quotation remaining 4 10c. London was unchanged.

REGULUS ANTIMONY—There is a moderate demand and prices are steady at 10¼c. for Cookson's, 8c. for Hallett's and 7½c. for other brands.

OLD METALS—Trade is slow, with prices steady. — N. Y. Journal of Commerce, March 12.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

MUNDLE & PERCIVAL, general merchants, Kemptville, Ont., are offering 60c. on the dollar.

Tire Co., Limited, bicycle sundries and sporting goods, Toronto.

Angus J. McVicar, contractor, Lorway Mines, N.S., has assigned.

Alfred Goulet, general merchant, The Brook, Ont., has assigned.

A. Champagne, carriagemaker, Chambly Station, Que., has compromised.

The creditors of Elias Will, lumber merchant, Windsor, N.S., met on March 8.

Wilfrid Chausse, hardware merchant, Montreal, is offering 25c. on the dollar.

Nugent & Taylor, tinsmiths, Kingston, Ont., have assigned to R. J. McKelvey.

E. R. C Clarkson has been appointed permanent liquidator of The American

The creditors of W. J. Clelland, general merchant, Hemmingford, Que., have held a meeting.

An extension has been granted to F. A. Thompson, general merchant, Buckingham, Que.

The creditors of Wm. Bennett, general merchant, Calumet, Que., held a meeting on March 11.

The creditors of (the late) Evans & Co., general merchants, Deloraine, Man., have held a meeting.

Benjamin Privat, tinsmith, Hanover, Ont., has assigned to C. V. Parke, Walkerton, and his creditors meet on March 18.

Lefaivre & Taschereau have been appointed curators of J. A. Renault & Co., general merchants, St. Ephrem de Tring, Que.

The offer of Mrs. George E. Champagne, general merchant, Pierreville, to compromise at 20c. on the dollar has been refused.

A winding-up order of The Shipe Manufacturing Co., Limited, manufacturers of rims, skewers, etc., Clarksburg, Ont., has been granted.

Cross Bros., general merchants, St. Chrysostome, Que., are offering 55c. on the dollar secured. The creditors held a meeting on March 6.

PARTNERSHIPS FORMED AND DISSOLVED.

Bithell Bros., saddlers, Montreal, have dissolved.

Niven & Bell, general merchants, Whitewater, B.C., have dissolved.

Benoit & Racine, general merchants, Casselman, Ont., have dissolved partnership; D. Racine continues.

DeWitt & MacKinley, electricians, Sydney, N.S., have dissolved, and The DeWitt Electric Co. succeeds.

George E. Smith & Co., wholesale & retail hardware merchants, Halifax, N.S., have admitted Albert W. Smith as a partner.

SALES MADE AND PENDING.

John Porter, blacksmith, Morden, Man., is giving up business.

G. Latreille, coal and wood merchant, Montreal, has sold out.

W. D. Archer, blacksmith, Spry, Ont., is advertising his business for sale.

The assets of F. D. Latour, general merchant, Montreal, have been sold.

The assets of O. Leger & Frere, general merchants, Coteau Station, Que., have been sold.

The assets of Mrs. Geo. E. Champagne, general merchant, Pierreville, Que., are to be sold.

The assets of T. E. Gravel, general merchant, Roberval, Que., are to be sold on March 12.

The stock of the estate of G. C. Bristow, general merchant, Aylmer, Ont., has been sold.

The assets of F. X. Deschenaux, general merchant, Pierreville Mills, Que., have been sold.

The assets of R. Bergeron & Cie., general merchants, Shawenegan Falls, Que., have been sold.

R. H. Benson & Co., general merchants, Markdale, Ont., are advertising their business for sale.

The stock of the estate of T. J. Metheral, general merchant, Singhampton, Ont., has been sold.

CHANGES.

G. Baile & Cie., builde*s, etc., Montreal, have registered.

F. Decary & Fils, contractors, etc., Montreal, have registered.

The Brantford Carriage Co., Limited, has registered at Montreal.

W. W. Peck & Son, lumber merchants, Sutton, Que., have registered.

F. Dowkes, general merchant, Venlow, N.W.T., is closing up his business.

The McCormick Harvesting Machine Company has registered at Montreal.

Eli Croft is the successor to W. C. Fiendel, blacksmith, Middleton, N.S.

John Donaghy, general merchant, Gorrie, Ont., has sold out to W. H. Litt.

T. Wadsworth, blacksmith, Nilestown, Ont., has sold out to L. A. Columbus.

Wm. Hillier, blacksmith, Burketon Station, Ont., has removed to Burk's Falls.

W. H. Howell, general merchant, Carlow, Ont., has sold out to W. O. Jones.

H. W. Carter, general merchant, Gorrie, Ont., has sold out to Andrew & Son.

R. H. Williams, lumber merchant, Yellow Grass, N.W.T., has sold out to W. H. Hunt.

W. B. Lennard, hardware merchant, Russell, Man., has opened a branch store at Langenburg.

Robert Bailey, general merchant, Valley River, Man., has opened up a branch store at Sifton.

Daniel & Chambers, painters, etc., Rossland, B.C., have been succeeded by Daniel & Arthur.

The Inglewood Manufacturing Co., machinists, Inglewood, Ont., has sold out to W. C. Thompson.

W. J. Batho, of G. B. Batho & Co., general merchants, Ferguson, B.C., has sold his interest to K. A. Edwards.

D. J. Jamieson & Sons, general merchants, Vankleek Hill, Ont., have purchased the business of Neve & Fortin, L'Original.

The stock of L. A. Frechette, general merchant, Thetford Mines, Que., has been sold to L. I. Frechette, Halifax South, for 72½c. on the dollar.

FIRES.

Peaker & Son, hardware merchants, Brampton, Ont., met with loss by an explosion.

Crowell Bros., hardware merchants, Halifax, N.S., have been burned out; they were insured.

The premises of A. W. Gay, carriagemaker, St. John, N.B., were damaged by fire; the loss is covered by insurance.

The British Columbia Shingle Manufacturing Co., Limited, Vancouver, B.C., has been burned out; they were partially insured.

The sawmill of J. E. Murphy, lumber and cement merchant, Hepworth, Ont., at Murphy, Ont., has been burned; it was partially insured.

DEATHS.

Jeffrey Roe, of Cote, Roe & Co., coopers, Que., is dead.

Daniel K. McDonald, lumber merchant, Sunny Brae, N.S., is dead.

HALIFAX AND YARMOUTH RAILWAY.

The Nova Scotia Government has made a contract with Mackenzie & Mann for the construction of a line of railway from Halifax to Yarmouth, on the south shore of the Province. On the second reading of the Bill ratifying this agreement, which is now before the Nova Scotia Legislature, Attorney-General Longley stated the Government would lend the company the sum of $13,500 per mile, at 3½ per cent. interest. The Federal subsidy is $3,200 per mile, making a total grant of $16,700 per mile.

The estimated cost of this road is $18,000 per mile, and its length 100 miles. But the Attorney-General holds that it will cost more than $20,000 per mile before it is completed.

WIRE NAILS
TACKS
WIRE

Prompt Shipment.

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

IMPORTANT CHANGES IN BOLTS.

QUITE a change has been made in the price of bolts. In carriage bolts, machine bolts, plough bolts, blank bolts, bolt ends, sleigh shoe bolts, coach screws the discounts have all been reduced, while on carriage bolts a new list has been issued in which prices have been advanced, except on ¼ and 5-16 gauges. The new list of discounts is as follows :

Carriage bolts, common, ($1) list	50 p.c.
" full square ($2.40) list	55 p.c.
" Norway iron ($3) list	55 p.c.
Machine bolts, all sizes	50 and 5 p.c.
Plough bolts	50 and 5 p.c.
Blank bolts	50 and 5 p.c.
Bolt ends	50 and 5 p.c.
Sleigh shoe bolts	65 and 5 p.c.
Coach screws, cone point	66⅔ p.c.
Nuts, square, all sizes	3½c. per lb. off
Nuts, hexagon, "	3¾c. per lb. off

The new list is as follows :

Length inches.	Price per Hundred ¼	5-16	⅜	7-16	½	9-16 and ⅝	¾
1½	$1 00	$1 50	$1 60	$2 20	$3 00	$5 20	$7 20
1¾	1 04	1 25	1 68	2 29	3 00	5 20	7 20
2	1 08	1 30	1 76	2 38	3 00	5 20	7 20
2¼	1 12	1 35	1 84	2 47	3 00	5 20	7 20
2½	1 16	1 40	1 92	2 56	3 00	5 20	7 20
2¾	1 20	1 45	2 00	2 65	3 11	5 37	7 43
3	1 24	1 50	2 08	2 74	3 22	5 54	7 68
3¼	1 28	1 55	2 16	2 83	3 33	5 71	7 89
3½	1 32	1 60	2 24	2 92	3 44	5 88	8 12
3¾	1 36	1 65	2 32	3 01	3 55	6 05	8 35
4	1 40	1 70	2 40	3 10	3 66	6 22	8 58
4¼	1 44	1 75	2 48	3 19	3 77	6 39	8 81
4½	1 48	1 80	2 56	3 28	3 88	6 56	9 04
4¾	1 52	1 85	2 64	3 37	3 99	6 73	9 27
5	1 56	1 90	2 72	3 46	4 10	6 90	9 50
5½	1 64	2 00	2 88	3 64	4 32	7 24	9 96
6	1 72	2 10	3 04	3 82	4 54	7 58	10 42
6½	1 80	2 20	3 20	4 00	4 76	7 92	10 88
7	1 88	2 30	3 36	4 18	4 98	8 26	11 34
7½	1 96	2 40	3 52	4 36	5 20	8 60	11 80
8	2 04	2 50	3 68	4 54	5 42	8 94	12 26
8½	2 12	2 60	3 84	4 72	5 64	9 28	12 72
9	2 20	2 70	4 00	4 90	5 86	9 62	13 18
9½	2 28	2 80	4 16	5 08	6 08	9 96	13 64
10	2 36	2 90	4 32	5 26	6 30	10 30	14 10
11	2 52	3 10	4 64	5 62	6 74	10 98	15 02
12	2 68	3 30	4 96	5 98	7 18	11 66	15 94
13	2 84	3 50	5 28	6 34	7 62	12 34	16 86
14	3 00	3 70	5 60	6 70	8 06	13 02	17 78
15	3 16	3 90	5 92	7 06	8 50	13 70	18 70
16	3 32	4 10	6 24	7 42	8 94	14 38	19 62
17	3 48	4 30	6 56	7 78	9 38	15 06	20 54
18	3 64	4 50	6 88	8 14	9 82	15 74	21 46
19	3 80	4 70	7 20	8 50	10 26	16 42	22 38
20	3 96	4 90	7 52	8 86	10 70	17 10	23 30

EXPLOSION IN A FOUNDRY.

An explosion occurred on Saturday afternoon, March 8, at the foundry of John Reynolds, Victoria street, Kingston. Mr. Reynolds does some manufacturing work in his small foundry, melting the scrap metal which he secures from various dealers in a cupola. Amongst these scraps was an old cannon ball which proved to contain gunpowder or some other explosive, for when he consigned it to the flames a terrific explosion followed, almost blowing the cupola to pieces, badly damaging the building and shattering the windows of almost every dwelling in the neighborhood. But nobody was injured.

PROPOSED LINSEED OIL FACTORY.

The council of St. Henri, Montreal, recently received a communication from three Chicago capitalists, Messrs. G. M. Ferguson, T. G. McCulloch and F. E. Lyster, in which application was made for a bonus in the event of their starting a linseed oil factory in that city. The proposition was to organize a company with a capital of $500,000 under the style of The International Linseed Oil Co., Limited. The amount of the bonus was left to be determined upon between the parties to the contract. No definite course of action has been decided upon as yet by the council of St. Henri, but it is believed that negotiations will be opened with the above-named gentlemen, with the purpose of bringing the factory into the city, as the opinion prevails that such a venture would be most successful.

The Best Time

to put your paint business on the right footing is at the beginning of the busy season.

It pays to start early to push

THE SHERWIN-WILLIAMS PAINT

It pays to be ahead of the "other fellows."

There's no other paint can do so much to place you at the top. We give you methods and advertising material that put you there, backed up by paint quality that holds the position for you.

If you're out for business this year go after it with

The Sherwin-Williams Paint and
The Sherwin-Williams Methods.



THE SHERWIN-WILLIAMS CO.

PAINT AND VARNISH MAKERS.

CHICAGO, NEW YORK, NEWARK, MONTREAL, CLEVELAND, BOSTON, TORONTO, SAN FRANCISCO. KANSAS CITY.



A HALIFAX BLAZE.

On Saturday morning, March 8, a disastrous fire damaged the hardware store of Crowell Bros., at the head of Commercial wharf, Upper Water street, Halifax. The place was badly gutted and the damage to both the stock and the building was heavy. The hardware stock is about three quarters covered by insurance.

The prompt action of the fire brigade did much to keep the blaze from spreading. The fire started in the back part of the building near the elevator shaft, but its origin is unknown.

LAID UP WITH A SPRAINED LEG.

Mr. J. H. Brent, representative for Caverhill, Learmont & Co., Montreal, has been laid up for the last two weeks with a sprained leg. He expects to be able to go out again next week.

CATALOGUES, BOOKLETS, ETC.

IVOR JOHNSON'S CATALOGUE.

In Ivor Johnson's Arms and Cycle Works, Fitchburg, Mass., are made the well-known Ivor Johnson bicycles. These have for the past 18 years been winning for themselves a reputation for excellence of build and moderate cost. And the Ivor Johnson bicycle of 1902 is an improvement on its predecessors. There is a variety of nine models with which this wheel meets the requirements of almost every class of rider.

Their catalogue for 1902, which has just been issued, is handsomely printed on fine paper and adorned with cuts of their different models of bicycles. Upon sending their address, a copy of the catalogue will be mailed to any readers of HARDWARE AND METAL who have not obtained it.

VISIBLE SUPPLY OF MANILA HEMP.

The visible supply of manila hemp on March 1 was as follows :

	1902.	1901.
Stock in U. K.	29 000 bales	13,386 bales
On the way to U. K.	46,000 "	130,454 "
Loading for U. K	14,000 "	37,000 "
Total for U. K.	89,000 "	180,840 "
Stock in U. S.	7,000 "	570 "
On the way to U. S.	55,000 "	40,140 "
Loading for U. S.	10,000 "	6,000 "
Total for U. S.	72,000 "	46,710 "
Stock in Manila	51,000 "	181,000 "
Grand total	212,000 "	408,550 "

TRAVELLERS' TAX IN P.E.I.

In the House of Commons, on Tuesday, the question of the imposition of a tax upon commercial travellers in Prince Edward Island was brought up by Mr. Kemp, who characterized the measure as illegal, and urged that the Minister of Justice should consider its constitutionality. Hon. Mr. Fitzpatrick replied that he had not looked into the question recently. But the Act had been allowed to go into force, and the courts were open to those who were affected by it, if they chose to apply to them. Mr. Farquharson, who was Premier of the Province when the Act passed, said it had not had the effect of keeping the commercial travellers from coming in, some 400 paying the tax every year. He entertained the opinion, judging from the sentiment of the people, that the tax was likely to remain in force. Mr. Hackett expressed the opinion that the tax was a disgrace to the Province. The people of the Island, when they entered Confederation, hoped to sell their products in the other Provinces without having a tax placed upon them. Mr. Fielding regarded Mr. Kemp's statement, that the Act was illegal, as rather strong, and, although there might be no doubt about the wisdom of the tax, there was considerable doubt about the legality, which was an open question. Good lawyers were to be found who held that it was illegal, and other equally eminent men upheld its constitutionality. He did not justify the tax, but thought the question could only be determined by the courts. Mr. Clarke inquired whether the Department of Justice had given an opinion upon the legality of the Act. Mr. Fielding replied that the Act was allowed to go into force, but its legality had not been determined.

THE FORT WILLIAM ELEVATORS.

The elevator capacity of the Canadian Pacific Railway at Fort William, Ont., will be increased from 5,500,000 bushels to 8,000,000 or 9,000,000. These proposed extensions involve an expenditure of nearly $1,000,000. The alterations will comprise the doubling of the large 1,500,000-bushel elevator built by The Weber Company, provisions for which were made at the time it was erected, and the construction of a 2,000,000-bushel elevator between the two existing wooden ones. The steelwork of these will be built within a year.

Mr. Weber, of The Weber Elevator Co., Buffalo, N. Y., and his two engineers, Messrs. Nephers and Wait, are at present in Montreal conferring with the general manager of the C.P.R. and Mr. Vautlet, chief engineer.

POUND FOR POUND

THE IVER JOHNSON TRUSS FRAME

Is stronger than any Diamond frame ever made. That's why we can build it light.

It is a roadster at 21 lbs., and a racer at 20.

Agents report that it is their "Star Attraction."

Be up-to-date, and ride an Iver Johnson Truss Frame.



"Honest Cycles at Honest Prices."

(FRAME PATENTED.)

IVER JOHNSON'S ARMS & CYCLE WORKS,

New York Salesroom— 99 Chambers Street.

FITCHBURG, MASS., U.S.A.

You Haven't Time

for a long story about your business going to ruin if you don't handle THIS or THAT paint. YOU'LL GET ALONG with any good paint (and there are several), but you **can't** make a **mistake,** which is the first consideration, and you **can** make better margins, which is a close second, by handling

ZANZIBAR PAINTS.

Unequalled for strength of color, durability of gloss, length of service, weather and water proof qualities.

Did you receive our Pioneer Card?

The Zanzibar Paint Co. Limited.

TORONTO.

STANYON ENGINEERING CO.

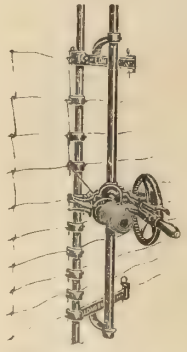
402 McKINNON BUILDING,

Phone Main 2177. TORONTO

CONTRACTING AND CONSULTING ENGINEERS.

Steel Works, all kinds of Rolling Mills, Wire Mills, etc., all built complete. Machinery designed for any purpose

GENERAL OFFICES, - - PITTSBURG, Pa



LONDON FENCE MACHINES

Are so light, durable and practical, and so easily and rapidly operated, that farmers cannot help seeing that they are unlike any of the big, clumsy and costly machines which have been on the market.

The LONDON builds the highest standard of coiled spring woven wire fence, and as it will more than pay for itself the first year, our machines find quick sales and fast friends.

The agency for the LONDON will pay the dealer, and never fails to draw custom and please the purchaser.

Our Spring Catalogue will be out shortly and a copy will be forwarded on request. Write for our trade prices on coiled spring wire.

THE LONDON FENCE MACHINE CO., Limited.

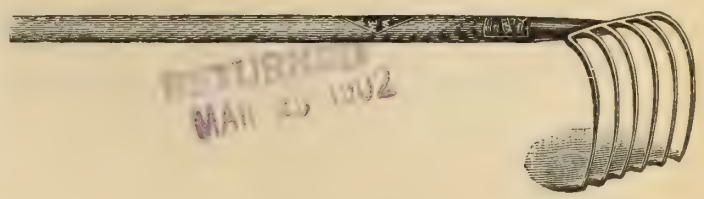
LONDON, ONTARIO.

H. S. HOWLAND, SONS & CO.

WHOLESALE ONLY

37-39 West Front Street, **Toronto.**

ONLY WHOLESALE



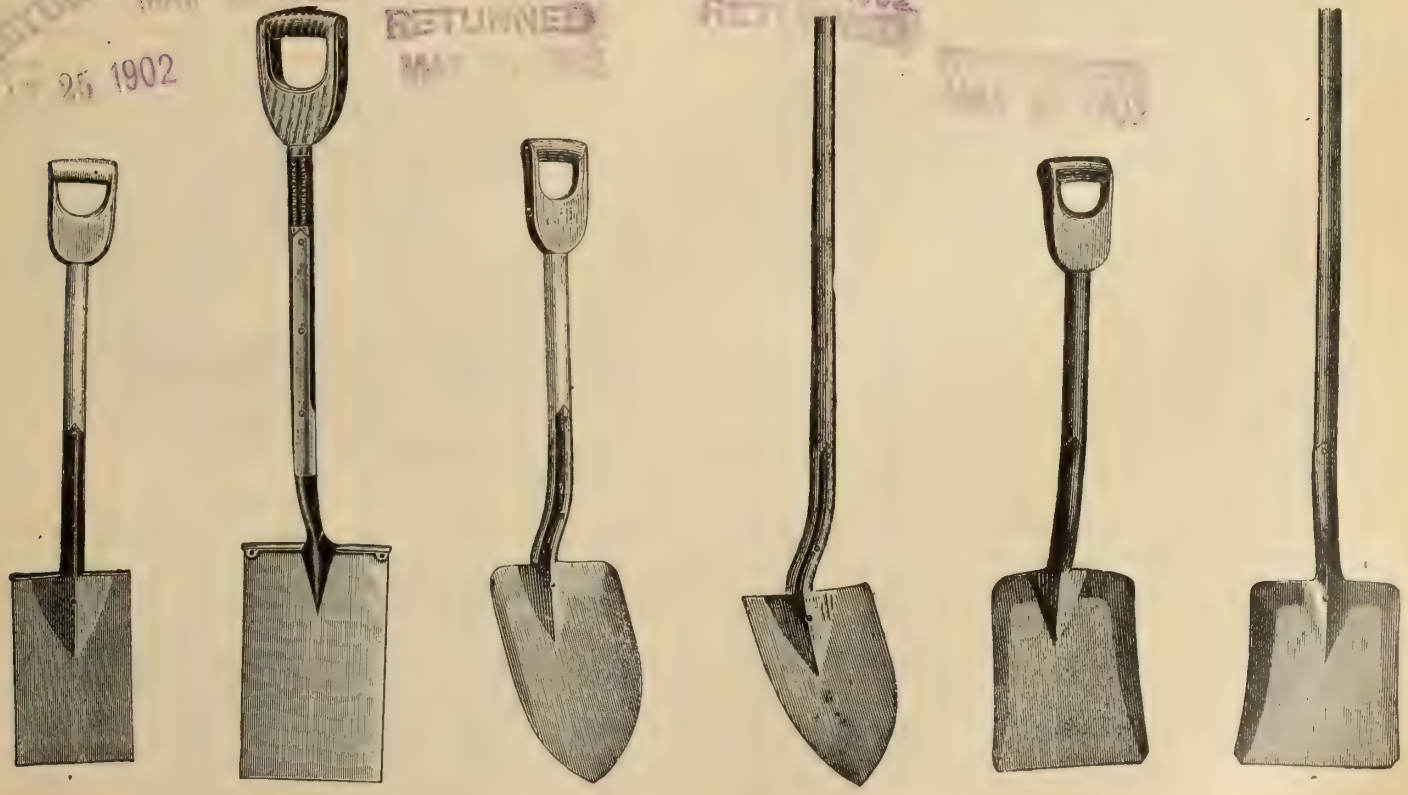
MANURE DRAGS



MANURE FORKS

4, 5 or 6 Prongs.
D or Long Handles.

SPADES AND SHOVELS



H. S. HOWLAND, SONS & CO., Toronto.

OUR PRICES ARE RIGHT

Graham Nails are the very Best.

WE SHIP PROMPTLY

Factory: Dufferin Street, Toronto.

NOVA SCOTIA MARKETS.

Halifax, N.S., March 10, 1902.

WHILE some of the hardwaremen report trade only nominally fair, others state that they are, for the season, unusually busy. This may be somewhat accounted for by the fact that in Halifax the hardware firms run on, or rather make a specialty of some particular line. For example, take fishing supplies. While a number of firms handle these lines, two or three of the older firms have the "run of the trade" and it is hard for a newer firm to acquire the trade. Other lines stand on a similar basis. Just now, the fishermen shore, Banks, and lobstermen are fitting out for the spring fishing and trade in this line has been remarkably good, and at a somewhat earlier stage than usual.

* * *

Spring orders from the country are coming in from all over the Province in good volume, and also from Prince Edward Island and New Brunswick. These run largely in the line of fishing supplies and builders' hardware and denote that there will be considerable activity in the building line throughout the Maritime Provinces. Halifax, too, will have considerable work in this line. North-street Station is to be remodelled at considerable expense; a new Customs house is already under way; a new library building, consequent on Mr. Carnegie's gift of $75,000, may be built, and a number of other public and private buildings are spoken of.

* * *

On Saturday morning the hardware firm of Crowell Bros., located on Water street, had the misfortune to be burned out. The fire started in the rear of the building, near the oil and varnish department, and though the firemen soon had the fire under control, the building was completely gutted and the stock ruined—more by the water than by the fire. The stock in the building was valued at $35,000, with $25,000 insurance. The building was insured for $4,000. The firm was fortunate in having a warehouse with a large quantity of goods which were untouched by the fire, and considerable orders for spring to arrive shortly. They have taken an adjoining building and will be able, with a little interruption, to attend to their spring orders.

* * *

A change has been made in the firm of George E. Smith & Co., by the admission of Mr. Albert W. Smith to partnership in the firm. The new partner is a son of Mr. George E. Smith, who has been at the head of the firm since its establishment, and who is one of the best known hardwaremen in the city.

R. C. H.

HOW TO AVOID "SWEATY" PIPES.

The cause of so-called sweaty pipes is very simple and the remedy equally simple. Perhaps it is hardly necessary to explain that the pipes are not sweaty in the sense that the moisture comes through the pores from the inside, though this is a not uncommon belief among those who do not understand the cause. The moisture on the pipe is, of course, caused by the condensation of the moisture in the air, the difference in temperature between the air and the pipe causing the condensation of the natural moisture in the air and depositing it on the pipes. The difference in temperature between the air and the pipe is caused by the water flowing through the pipes. Water at rest in the pipes soon takes nearly the same temperature as the room. Even an occasional flow of water through the pipes will not cool them sufficiently to make them sweat, but even a slight constant dropping will cause the trouble. That being the case, it is only necessary to make tight all faucets and cocks on supply and flush pipes in order to put a stop to the trouble. Packing the pipes will, of course, help matters, but this is expensive and unnecessary.—Domestic Engineering.

FREIGHT RATE ON SYDNEY IRON.

In the House of Commons a few days ago, Hon. Mr. Blair, Minister of Railways, in reply to a question put by Mr. A. E. Kemp, Toronto, said that the Intercolonial receives for carrying pig iron from Sydney, C.B., to Montreal and points west of Montreal, $2.95 per ton, and for coal, $2.55.

THE HOBBS HARDWARE CO.

The Hobbs Hardware Co., wholesale hardware merchants, London, have dissolved. Wm. R. Hobbs retires, and Thomas S. Hobbs continues. The company is now applying for incorporation.

EXPLOSION IN A HARDWARE STORE.

The store of Peaker & Son, hardware merchants, Brampton, Ont., was badly damaged by a gunpowder explosion on March 10, and Wm. Peaker, the junior partner of the firm, was seriously injured. The cause of the explosion is unknown, the only person who was on the flat where the powder was stored being the man who was injured.

Mr. Peaker when found was much cut and bruised, and the little clothing remaining on him was on fire.

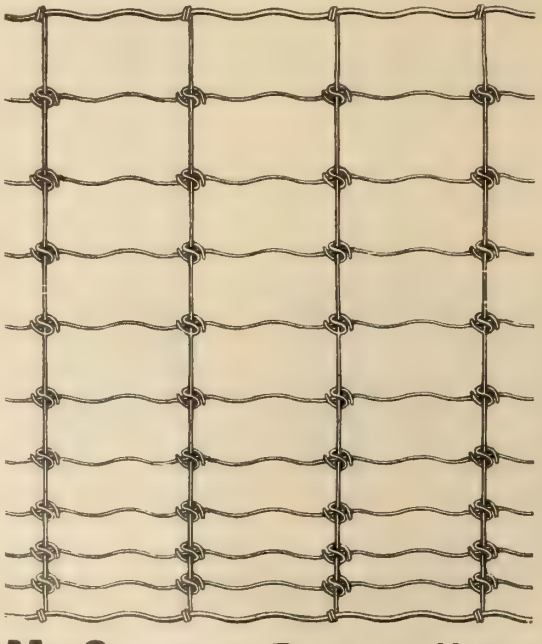
A traveller representing a gunpowder firm called to secure an order, and Mr. Peaker went upstairs to ascertain how much gunpowder he had on hand. It was just at this time that the explosion occurred. The north end of the building was wrecked, bricks being hurled across the street, and every pane of glass in the second and third storeys broken.

A NEW FOUNDRY.

The formal opening of the new iron and brass foundry of the Vancouver Egineering Works, Vancouver, B.C., took place on March 6. In the presence of a number of citizens the cupolas, already charged, were blown, and everything passed off without any difficulty. This new foundry is up to date in every particular.

THE NEVER-LOST SCYTHE WRENCH.

A simple device that every tiller of the soil will buy on sight was patented by me in 1900. I will sell the patent outright to someone who is prepared to manufacture and sell same. Circulars and full particulars sent to all who write. Desirable for mail-order houses—canvassers and hardware dealers generally. Terms reasonable and fair. Address, **H. O. KRUSCHKE,** inventor and patentee, Dexterville, Wis., U.S.A. (11)



Woven Wire Fencing

A heavy stay in one piece. A perfect lock to hold. Complete in the roll. Made from hard spring wire throughout. Will stand up and do business when other styles fail.

WRITE:

McGregor, Banwell & Co'y, Windsor, Ont.

"MIDLAND"
BRAND
Foundry Pig Iron.

Made from carefully selected Lake Superior Ores, with Connellsville Coke as fuel, "Midland" will rival in quality and grading the very best of the imported brands.

Write for Prices to Sales Agents

Drummond, McCall & Co.
or to MONTREAL, QUE.
Canada Iron Furnace Co.
MIDLAND, ONT. Limited

"The Peerless"

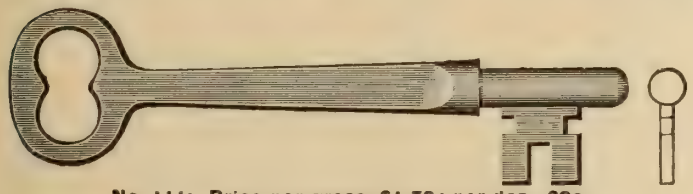
is the best Bolster Spring ever produced. A fine line for the hardware trade. Write Us For Prices.



James Warnock & Co. = Galt, Ont.

KEYS
SPECIAL OFFER

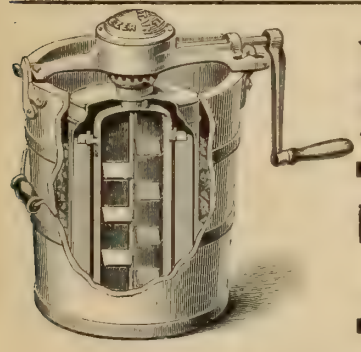
To introduce our line of Keys we will prepay express to any point in Canada on orders of one gross or more. This offer is open until March 1st, 1902.



No. 111: Price per gross, $1.70; per doz., 20c.

If interested in Bicycle or Automobile Material, or Sporting Goods, drop us a postal request and we will mail you our latest catalogue.

JOHN MILLEN & SONS
Branch: 132 Bay Street, Toronto, Ont. MONTREAL, CANADA



It Pays The Dealer

to handle the **White Mountain Freezer,** because it is the best acting, best looking, strongest, most durable and best selling freezer manufactured.

There is not a weak point about it or a waste part to it.

It embraces all the good features to be found in all other freezers and many more besides that are peculiar to itself.

Write for catalogue and complete information on the above lines.

For sale in Canada only by

THE McCLARY MFG. CO.

London Toronto Montreal Winnipeg Vancouver
St. John, N.B.

CORDAGE

ALL KINDS AND FOR ALL PURPOSES.

Manila Rope	Lathyarn
Sisal Rope	Shingleyarn
Jute Rope	Bale Rope
Russian Rope	Lariat Rope
Marline	Hemp Packing
Houseline	Italian Packing
Hambroline	Jute Packing
Clotheslines	Drilling Cables
Tarred Hemp Rope	Spunyarn
White Hemp Rope	Pulp Cord
Bolt Rope	Lobster Marlin
Hide Rope	Paper Cord
Halyards	Cheese Cord
Deep Sealine	Hay Rope
Ratline	Fish Cord
Plow Lines	Sand Lines

"RED THREAD" Transmission Rope from the finest quality Manila hemp obtainable, laid in tallow.

CONSUMERS CORDAGE COMPANY, Limited

Western Ontario Representative—
WM. B. STEWART, MONTREAL, QUE.
Tel 94. 27 Front St. West, TORONTO.

HINTS AND IDEAS FOR MEN WHO ADVERTISE.

Schemes and Programmes.

EVERY advertising man should have lots of backbone, says Printers' Ink. He should be able to say no, and stick to it. If he is wise he will have a given time each day to receive solicitors. He will admit them all, be friendly and stick to his knitting. Special editions and programmes generally have some sort of a "cause" to promote. A hospital, a lecture-course programme, those earnest young men with a college paper, a pastor that is getting up a church paper, the winning young woman that is "just getting it up for the society, you know," and so on to the end of a list that never ends, and never will until men stop spending money just to see their names in print or to be considered "a real nice man."

I believe in charity. Once I presented to the president of a bank a proposition to advertise in a concert programme. I could not pass upon it, but the solicitor had made such a strong appeal, that I ventured to bring it to the attention of the bank's president. He heard me to the end, and then sat down on me. He said, "Brown, it is not creditable to you to bring this matter up. You are presuming that I am not doing my full share of charity. It would be well for you to understand that we hired you to make investments of our money in advertising and not charity." Possibly he was a little severe, but he told the truth and I learned a lesson.

Take the money out of the cash drawer and donate to charity for the sake of charity, and charge it to charity. Keep your name out of such "grafts" and make the business stand or fall on its merits as a business. These solicitors don't always realize that they are running a confidence game, but they are.

Another form of the programme evil is found in societies that sell the privilege to get out a programme or souvenir edition to some advertising solicitor. They give him a nice letter of introduction, stating that the edition will be "official." He comes in the name of the organization, and you pay money that goes mostly to the solicitor and you think you have helped the cause. The postmaster writes a letter authorizing a certain "official post-office guide," and you feel that you surely ought to be in this "official" publication.

Another form. A good-looking man comes in. "Mr. Brown?" "Yes." "I have been referred to you as the party having charge of the advertising of your company. Now, we have no advertising to sell, but the character of your company is so well known and your people are so influential that our editor has prepared an editorial on your company, and I wanted you to look it over and see if it was all right. We are going to get out a large edition of this number." You read over the ordinary rot about the great and good concern you are working for, and see that your name is prominently mentioned as being one of the main spokes in the wheel, and how progressive and businesslike your firm does things, and advising everybody to be sure and call, upon the personal assurance of the editor that everything is all right.

"Yes, that is very nice," you say. "Glad you like it," says our friend. "By the way, would your company like to have a quantity of this edition to send to your friends? We charge you nothing for the editorial, you know, but if you want we shall be glad to supply you with 500 copies." You price the 500. Ten cents each. If you don't come down with the $50 you will not find your great and good company mentioned. The chances are even that the 500 copies would comprise the entire special edition if you did decide to reap the benefits of free editorial mention. Any paper that sells its editorial columns is a good one to let alone.

Advertising.

We may live without poetry, music and art,
We may live without conscience, and live without heart;
We may live without friends, and live without fads,
But business to-day cannot live without ads.—The Country Merchant.

Sincerity in Advertising.

When we read the advertisements that crowd the newspapers and magazines, says Profitable Advertising, we find it rather hard to believe that downright sincerity is a part of the present age, but now and then we come upon something that tends to help our unbelief. There are a few sincere advertisements published, and they stand out very noticeably. They are always short and simple, more notable for the clean, wholesome, direct business methods they reveal than for those glittering generalities that seem to be the present rule. One cannot read them without feeling that the advertisers are honest in their statements, and that the goods will be exactly as described.

It is not pleasant to think that sincerity has departed from among business men. One would just as soon think that fidelity and honor and knightly courage had departed also. Yet we know that these things still exist, and we are glad to believe that there are still sincere advertisers, also.

The Price Element.

The elimination of the price element or factor in any grade of advertising is and always will be a serious handicap to its "pulling" quality, writes George Hippard in Profitable Advertising. It emasculates the strength and depreciates the value of the advertisement, no matter whether the article advertised is low or high priced. What the public want to know is the price of the article and why it is worth it. Of course, it is understood that the article is good and just what it is represented, for no amount of advertising will or can keep up a bad thing.

The tendency in the novices in the advertising field to-day is too much toward attempts at literary construction, and artistic creation or adaptation. Alliterative text and pictorial design are no doubt often desirable and effective, but they are secondary to the leading part of the advertisement, and should be used only to supplement and strengthen the argument. To the ignoring of this vital fact by thousands of advertisers and their agents can be traced the numberless failures in the advertising field.

To its recognition can be attributed the great successes of every mail-order business in the country.

"Good advertising consists in, first, reaching the people who are able to buy your article; second, telling them the price; third, telling them why it is worth the price."

What It Is.

Advertising is the life blood of the business world to-day, and well-directed advertising is like the powerful searchlight of a river steamer, thrown upon a distant cottage on the bank, cutting it out like a picture painted on a black canvas, remarks a contemporary. The timid buyer and the prospective industry will follow the rays of the searchlight of publicity, just as surely as will the eyes of the steamer's passengers follow the light thrown from their vessel. They will not

WE have the nicest set of Hose samples ever shown to the Canadian trade. Don't fail to see them.

HOSE

GARDEN
STEAM
SUCTION
ETC.

Send for samples and quotations.

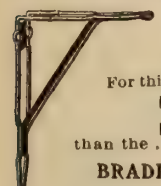
WE make Hose of all kinds for all purposes. Our equipment is the most modern and our goods are perfection.

MANUFACTURED BY

THE DURHAM RUBBER CO., LIMITED

Bowmanville, Ont.

Persons addressing advertisers will kindly mention having seen their advertisement in The Canadian Hardware and Metal Merchant.



Will Hold Up a Shelf!

That's what a shelf bracket is for.

For this purpose there can be

NOTHING BETTER

NOTHING CHEAPER

than the . . . .

BRADLEY STEEL SHELF BRACKET

It is well **Japanned, Strong** and **Light.** The saving in freight is a good profit, aside from the **lower price** at which the goods are sold.

☞ Order direct or through your jobber.

ATLAS MFG. CO., New Haven, Conn., U.S.A.



Up to date Grocers' Refrigerators,

Mineral Wool Filled, Eight Walls. Ask for prices from any dealer handling our household refrigerators, or write direct to us for descriptive catalogue and prices.

Ham & Nott Mfg. Co., Limited, Brantford, Ont,

Have You Ordered Yet?

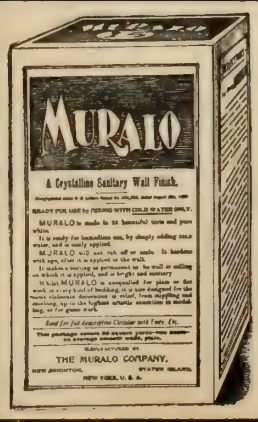
We have opened over one hundred accounts in Canada for our Paste Paint in seven weeks. Have we yours? You ought to see that we have. Hollywood Paste Paint is really "tinted lead," and does away with all the disagreeable handling of raw materials. Good money in it too!

HOLLYWOOD

Buffalo, Chicago,
New York, Columbus, O.

PAINT CO., Limited

CANADIAN WORKS - HAMILTON, ONT.



MURALO

is a Cold Water Wall Finish, as far ahead of the old-fashioned wall finishes as paint is ahead of whitewash. **MURALO** is a distinctive preparation of its own. Don't conflict it with old wall finishes you have known before. **MURALO** has the largest sale in the world, because every painter, every amateur, who has tried it, knows it to be the best Cold Water Wall Finish. There's money in it for the dealer.

Agents:

A. RAMSAY & SON, - - - MONTREAL
J. H. ASHDOWN, - - - WINNIPEG
McLENNAN, McFEELY & CO., - VANCOUVER

search the surrounding gloom for objects of interest when a beautiful picture is clearly shown before them. Prospective buyers will not search the surrounding gloom for your competitors if the searchlight of publicity is turned on your own place of business.

Help Sentences for Advertising.

The following were gleaned by a contemporary from some New York windows and advertisements :

Could they be lower ?

Prices lean your way.

Wide range narrow prices.

Prices speak louder than promises.

We have been " caught with the goods."

" Little and often fills the purse " is our price-proverb.

Purchase or be merely curious, but come in, anyway.

Our way of bidding for money to move in new stocks.

Where good things are cheap and cheap things are good.

We save in buying and can afford to be liberal in selling.

Honesty is the only policy, and all customers are good friends.

Economy leads to wealth. To miss these values is extravagance.

Demonstrating how little we care for cost when we want results.

Small profits, of course, but that's our lookout. You profit by the saving.

Not a clearing sale of broken lines, but a big, broad, comprehensive movement.

A good driver turns in a small space—a good merchant turns on a small profit.

It's an ill wind that blows nobody good—especially when it's a manufacturer's ill wind.

Simply another proof that there is always " something doing " in this window—and inside.

We aim to secure your confidence, and our prices are calculated to make us good marksmen.

" A fault confessed is half redressed." We confess to being overloaded on these ties and pay for our fault by foregoing the profit.

Value of Distinctive Names.

The Saturday Evening Post tells of an instance in which an attractive name was sufficient to create a demand for a waste and almost worthless product. New Mexican turquoises are found in a stone of a rather pretty reddish color. Sometimes small bits of turquoise are mixed with this material, which has little value. A New York gem expert took to polishing small pieces of this useless material and setting them in jewelry. Then he cast about for a name, and settled upon " matrix turquoise." To his surprise the novelty took at once, and the demand created for " matrix turquoise " has set other jewelers to counterfeiting the new gem. Furthermore, the fashion has extended to other gems, and there is call for " matrix " emeralds, rubies, sapphires, and so on. There is little doubt but that the name was largely instrumental in making the novelty popular. The public loves a name, and will often tolerate very ordinary things when they are distinctively named, whereas the lack of an effective name has frequently caused the failure of articles of unquestioned merit and utility.

DANGEROUS CREDIT.

IT passes our comprehension how some people can get credit and plenty of it, and if we said we were sorry for the manufacturers who allowed their goods to be cut down to such preposterous prices, we should be saying what we certainly do not feel. Protests were made by the old established houses, who knew that not only was a living profit not being made, but that the goods were being sold at a loss, if they were being fairly dealt with, and only charged the same rates as the new comer. The experience is common in all trades that persons without any practical experience come into a neighborhood and disorganize matters by pretending to benefit the community by selling cheaply when the real object is to swindle the factors. At the present moment there is a man who has opened at least a score of unsuccessful businesses, in every case in a different part of the country ; and we think in such a case as the one we have cited the retail trade has a distinct grievance against the manufacturers or wholesale suppliers, many of whom make it their practical motto to help the cutters so as to help the sales. " If we don't, others will," is the argument which operates with them. As in the learned professions, so in such an intricate business as that of an ironmonger, knowledge ought to be paid for, and such profits should be provided for as will enable a man to live respectably, and commensurately with the elevation of his calling ; but as long as manufacturers will supply any miscellaneous Tom, Dick, or Harry, who may be a tinker, tailor, soldier, or sailor, as in the adage, for all they know, as readily, and on as good terms, as a legitimate trader of old standing, so long will a field for adventurers be provided. The retail buyer will go to the cheapest market, and as long as " cutting," either by adventurers or ironmongers, who ought to know better, lasts, so long will the trade as a whole suffer. We say " as a whole " advisedly, for the case is exactly the opposite of the mercy which Shakespeare tells us is " twice blessed," for it is twice cursed. Hardwareman.

HE BOUGHT IT.

A Washington attorney had a caller yesterday. He was an uncouth looking individual, and said he hailed from Montgomery County, Md.

" Judge," he said, " I reckon I'll hev ter buy a few words of advice."

" Well, what is it ? "

" Thar's a sto'keeper up my way, an' I've hed a good many dealin's with him fust and last. I reckon I've seed him put his right thumb in the scales a hundred times when he weighed things I bought."

" Well, you ought to have stopped him. You can't collect damages for that," interrupted the attorney.

" I don't want no damages."

" Well, what do you want ? "

" You see, we got in a fout yestiddy, an' I bit off that thumb, an' I want to know if, as many times as I bought it, I don't own it, so that he kain't get damages for my bitin' it off."—Washington Star.

CONDENSED OR "WANT" ADVERTISEMENTS.

Advertisements under this heading, 2c. a word each insertion ; cash in advance. Letters, figures, and abbreviations each count as one word in estimating cost.

SITUATION WANTED.

WANTED BY YOUNG MAN WITH THOROUGH knowledge of hardware and bookkeeping, a situation in wholesale or retail establishment as traveller or salesman. At references. Box 81, HARDWARE AND METAL, Toronto. (10)

BUSINESS FOR SALE.

HARDWARE BUSINESS, IN A GROWING town. Prosperous farming section. Good location and premises. Opening for plumbing in connection. Business established thirty years. Owner has other interests. Address, Box 74, HARDWARE AND METAL, Montreal or Toronto. (8-tf.)

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY MONTREAL.

Canadian Wringer Co.

Manufacturers of the following

CLOTHES WRINGERS

Queen,	Eureka,
Royal Canadian,	New Eureka,
New Metropolitan,	Stone,
New Lightning,	Jubilee Ball Bearing
	Etc., Etc.

All our Rolls are of Solid White Rubber and Vulcanized to Shaft. . . . Send for Catalogue and Discounts.

16 SHEPPARD STREET, TORONTO.

TOOLS

We make tools required by

Stone Workers, Cement Workers, Paving, Building, Sewer and Railroad Contractors.

Likewise Special Wrought Iron or Steel Work to drawings. Estimates promptly furnished for any quantity. You ought to know our advantages. Correspondence solicited.

W. H. ANDERSON & SONS,

Factory and Main Office— DETROIT, MICH.

Canadian Branch, with Eureka Planter Co., WINDSOR, ONT.

Stove Bricks in Variety.

We don't have to make a kiln and then burn it before filling your order. Prompt shipment is one of our mottoes. We have over 200 varieties of bricks, and all kinds of fire clay products, furnace cement, etc., always in stock. Catalogue upon application.

JONES BROS., Bracondale, P.O., Ont.

Lace Leather

Send direct to us for the celebrated " NIAGARA " Brand Lace Leather, best produced in this country. Yellow and White in Sides or Cut Strings. Prices and Samples on application.

WOOD BROS.

Tanners of High-Class Leathers,

ST. CATHARINES, ONT.

John Bowman

HARDWARE & COAL CO.

LONDON, ONT.

Our stock of goods for the spring trade is now complete, and we can fill all orders promptly on the following lines :

Wire, Nails, Cordage, Window Glass, White Lead, Paints, Whiting, Churns, Linseed Oil, Spades and Shovels, Screen Doors, Wove Wire, Poultry Netting, Builders' Hardware, Guns and Sporting Goods. Finest stock in the Province of Cutlery.

Prompt Shipment. Prices Right.

DOMINION WIRE MANUFACTURING CO.

Limited

MONTREAL and TORONTO.

We Manufacture

IRON
STEEL
BRASS
AND
COPPER
WIRE

and the following products of same :



Wire Nails
Wood Screws
Bright Wire Goods
Barbed and Plain Fencing
Fence } STAPLES
Poultry } STAPLES
Bed } STAPLES
Blind } STAPLES
Cotter Pins
Jack Chain
Door Pulls
"Crescent" Hat and Coat Hooks

LEADERS from COAST TO COAST

ARE OUR

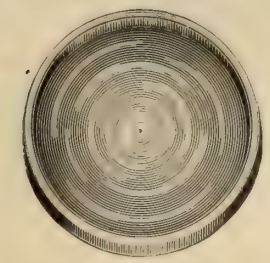
—MILK PAILS—



"HERCULES"

Heavy.
Enduring.
Rustless.
Useful
Leaders.
Easy
Sellers.

See how "Hercules" bottom is made.



BOTTOM



SECTION

Deep Double Rolled Rim.

Quality
Unsurpassed.

Easily
Emptied.

Never Break.



"QUEEN"

Made of IXX Charcoal Tin, with heavy bails, Malleable Ears, XXXX Retinned Bottoms.
Prices right. Prompt delivery. Order sample dozen.

(BOTTOMS ALSO SOLD SEPARATE.)

THE THOS. DAVIDSON MFG. CO., Limited, MONTREAL, P.Q.

ESTABLISHED 1860. INCORPORATED 1895.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

Montreal, March 14, 1902.

HARDWARE.

THERE has been little, if any, improvement over the trade of last week in general hardware. The bad roads are still accountable for a considerable falling off in the demand from country merchants. Travellers, too, have had some difficulty in getting about the country, so that the wholesale houses have had rather a quiet week of it. A new list is out on washers. The small sizes are now lower and the large sizes higher. There have been changes in the lists of machine bolts, carriage bolts, and coach screws also. Among the most satisfactory lines of the week are shelf goods, many orders of which have been booked. The demand for nails has not improved yet, but the outlook for spring business in this line is regarded as very promising. It is rumored that a shortage may be experienced in wire nails.

BARB WIRE.—Trade is quiet and quotations are unchanged from last week. The price per 100 lb. f.o.b. Montreal is $3.

GALVANIZED WIRE.—The market is quiet and steady. Quotations are as follows: Nos. 6, 7 and 8 gauge, $3.45; No. 9, $2.80; No. 10, $3.55; No. 11, $3.65; No 12, $2.95, No. 13, $3.05; No. 14, $4.05 No. 15, $4.55; No. 16, $4.80; No. 17, $5.20; No. 18, $5.45.

SMOOTH STEEL WIRE.—Business is not as satisfactory this week. The market is quiet and prices are steady. Our quotations are as follows: Bright iron and annealed on a base of $2.60 per 100 lb., f.o.b. Montreal, Toronto, Halifax, London, Hamilton and St. John. Net extras, per 100 lb. are as follows: Coppered wire, 60c.; tinned wire, $2; oiling, 10c.; spring wire, $1.25; best steel wire, 75c.; bright soft drawn, 15c.; special hay-baling wire, 30c.

FINE WIRE.—There is but a small amount of business doing in fine wire. The discount has not been changed from 22½ per cent.

BRASS AND COPPER WIRE.—Trade is quiet. On both brass and copper wire the discount is 60 per cent.

FENCE STAPLES.—The orders booked this week have been somewhat fewer than for the past two weeks, owing to the condition of the roads in the country. Business, however, is fairly active still. The price per 100-lb. keg for bright fence staples is $2.90, and galvanized, $3.25.

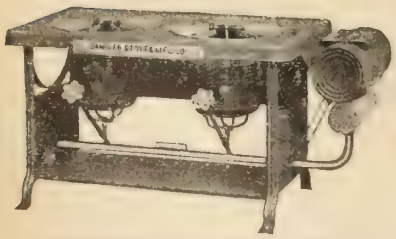
WIRE NAILS. There is a quiet market, the demand for spring business not having opened up yet to any great extent. A couple of weeks' time will see a big improvement in the trade in this line. Our quotations are as follows: $2.55 for small lots and $2.50 for carlots f.o.b. Montreal, London, Hamilton, Toronto, Gananoque, Brantford, Windsor, Ont., St. John and Halifax.

CUT NAILS.—The market is dull. Cut nails are worth $2.35 per keg, in small lots, and $2.27½ per keg, in carlots. The discount on coopers' and flour barrel nails is 10 per cent.

HORSE NAILS.—There is little or nothing doing in horse nails. Our quotations are as follows: "C" brand at 50 and 7½ per cent. off and "M" brand at 60 per cent. off on oval and new city heads and 66 2-3 per cent. off for new countersunk heads.

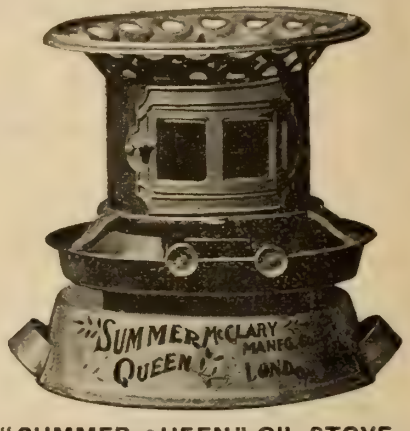
HORSESHOES.—Trade is dull, and our quotations are as follows: Iron shoes, light and medium pattern, No. 2 and larger, $3.50; No. 1 and smaller, $3.75; snow shoes, No. 2 and larger, $3.75; No. 1 and smaller, $4; X L steel shoes, all sizes, 1 to 5, No. 2 and larger, $3.60; No. 1 and smaller, $3.85; feather-weight, all sizes, $4.85; toe weight, steel shoes, all sizes, $5.95 f.o.b. Montreal; f.o.b. Hamilton, London and Guelph, 10c. extra.

SCREWS.—There has been no improvement in this market during the week. Trade is fair. Discounts follow: Flat head bright, 87½ and 10 per cent. off list; round head bright, 82½ and 10



"DANGLER" OIL STOVE

OIL COOKING STOVES



"SUMMER QUEEN" OIL STOVE.

If you handle the "Dangler" you have the best oil stove on the market.
It has all the latest improvements, and is the quickest seller we know of.
We have also the "Golden Star," the two and three burner "Triumph," and the well-known "Summer Queen,"
The "Triumph" and "Summer Queen" can both be fitted with extension top.

The McClary Manufacturing Co.,

LONDON, TORONTO, MONTREAL, WINNIPEG, VANCOUVER, AND ST. JOHN, N.B.

"Everything for the Tinshop"

ENGLISH
GERMAN
BELGIAN
CANADIAN
AMERICAN
} PORTLAND CEMENTS.

FIRE
BUILDING
ENAMELLED
SILICA
MAGNESIA
} BRICKS.

DRAIN
CULVERT
} PIPES.

F. HYDE & CO.
31 WELLINGTON ST., MONTREAL

. . FULL STOCK . .
Salt Glazed Vitrified
SEWER PIPE
Double Strength Culvert Pipe a Specialty.
THE CANADIAN SEWER PIPE CO.
HAMILTON, ONT. TORONTO, ONT.
ST. JOHNS, QUE.

Deseronto Iron Co.
LIMITED
DESERONTO, ONT.
Manufacturers of
CHARCOAL PIG IRON
BRAND "DESERONTO."
Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

The Robin Hood Powder Company
If you want the best Trap or Game load in the world, buy "Robin Hood Smokeless," in "Robin Hood" Shells. It is quick, safe, and reliable. Try it for pattern and penetration from forty to seventy yards against any powder on the market. We make the powder, we make the shells, and we load them. Write for our booklet, "Powder Facts."
The Robin Hood Powder Company
SWANTON, VT.

per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.

BOLTS.—These continue to move fairly well. New lists on machine bolts, carriage bolts and coach screws have been issued. The discounts on Norway carriage bolts and full-square carriage bolts have been changed from 60 and 5 per cent. to 55 per cent. off. On common, machine, sleigh shoe, blank and plough bolts and bolt ends and coach screws the discounts are also altered. Tire bolts remain the same. The extra discount on all but tire and stove bolts is now 10 per cent. instead of five. In nuts there is now ½c. per lb. off list. We quote as follows: Norway carriage bolts, 55 per cent.; common, 50 per cent.; full square carriage bolts, 55 per cent.; machine bolts, 50 and 5 per cent.; coach screws, 66 2-3 per cent.; sleigh shoe bolts, 65 and 5 per cent.; blank bolts, 50 and 5 per cent.; bolt ends, 50 and 5 per cent.; plough bolts, 50 and 5 per cent. To any retailer an extra discount of 10 per cent. is allowed. Tire bolts, 67½ per cent.; stove bolts, 67½ per cent. Nuts, square, 3½c. per lb. off list; hexagon nuts, 3¾c. per lb. off list. To all retailers an extra discount of ½c. per lb. is allowed.

BUILDING PAPER.—There is a very active inquiry for building paper this week, and the market is steady. Prices have undergone no change. We quote: Tarred felt, $1.70 per 100 lb.; 2-ply, ready roofing, 85c. per roll; 3-ply, $1.10 per roll; carpet felt, $2.25 per 100 lb.; dry sheathing, 30c. per roll; tar sheathing, 40c. per roll; dry fibre, 50c. per roll; tarred fibre, 60c. per roll; O K and I X L, 65c. per roll; heavy straw sheathing, $30 per ton; slaters' felt, 60c. per roll.

CORDAGE.—There has been an improvement in the demand for cordage this week. Prices are unchanged. We quote as follows: Manila, 16c.; British manila, 14c.; sisal, 12½c.; lathyarn, 11c. Prices on binder twine are as follows: Blue ribbon, 650 feet to the pound, 14½c.; Redcat, 600 feet to the pound, 13½c.; Tiger, 550 feet to the pound, 12½c.; Standard, 500 feet to the pound, 11c.; sisal, 500 feet to the pound, 11c. Prices are subject to a rebate of ½c. in carload lots.

RIVETS AND BURRS.—There is nothing new to note. The movement is about what is expected at this time of the year, and as the season advances there is a notable improvement from week to week. At present trade is fair. We quote the discounts as follows: Best iron rivets, section, carriage, and wagon box, black rivets, tinned do., coopers' rivets and tinned swedes rivets, 60 and 10 per cent.; swedes iron burrs are quoted at 55 per cent. off; copper rivets, 35 and 5 per cent. off, and coppered iron rivets and burrs, in 5-lb. carton boxes, are quoted at 60 and 10 per cent. off list.

SCREEN WIRE CLOTH.—There has not been a very active inquiry this week. A moderate amount of business is doing at $1.25 per 100 square feet.

POULTRY NETTING.—This is going well, and a continued improvement is experienced in the demand. The discount on either Canadian or English netting is 60 per cent. off 2 x 2 mesh, 19 wire, and 55 per cent. off on 2 x 2 mesh, heavier, Canadian list.

HARVEST TOOLS.—There is a moderate inquiry. The discount has been changed from 70 per cent. to 60 and 10 and 10 per cent. off, making a difference

THE BEST BRANDS
TINPLATES
"Allaways" Charcoal.
"Lydbrook," "Trym," "Grafton" Cokes.
TINNED SHEETS
"Wilder" Best Coke or Charcoal.
TERNE PLATES
"Dean," dull finish.
CANADA PLATES
"Dominion," polished.
Accept no Substitutes.
A. C. LESLIE & CO.
MONTREAL.


IRON AND BRASS
Pumps
Force, Lift and Cistern Hand and Power.
For all duties. We can supply your wants with —quality the best and prices right. Catalogues and full information for a request.
THE R. McDOUGALL CO., Limited,
Manufacturers, GALT, CANADA.

ADAM HOPE & CO.
Hamilton, Ont.
We offer for prompt shipment
Pig Tin,
L. & F. and STRAITS.
Ingot Copper, O.C.
Pig Lead.
Spelter.
Antimony.

NOVA SCOTIA STEEL & COAL CO., Limited
NEW GLASGOW, N.S.
Manufacturers of
Ferrona Pig Iron
And SIEMENS MARTIN
OPEN HEARTH STEEL.

If you could look into the future



and see the healthy conditions your Varnish Business would be in, by reason of your having handled

"Elastilite,"

you would telegraph for some of it to be sent by express, as a letter and freight would be too slow.

"Elastilite" Varnish

always pleases a particular customer. For outside and inside use. In tins only, from half pints to one gallon. Sealed with our brass cap.

MANUFACTURED ONLY BY

The Imperial Varnish & Color Co. LIMITED

Toronto, Ont., Canada.

Canadian Agents for Buehne's "Red, White and Blue" Brand Steel Wool.

No Sir! No Paint is just as good as

"Ark Brand" Paint

"Ark Brand" is the best paint for house, barn or fence. For Exterior or interior work it is unequalled. We guarantee "Ark Brand" not to check, chalk, peel or blister. Our guarantee is on the back of every can.

Good paint means good customers.
Good customers mean good money.
That's the object of business.
Write for our booklet and sample card.

THE FRANCIS-FROST CO. Limited

TORONTO.

Canadian Distributing Agents for Grippin's Crack Filler.

of about 5 per cent. higher. The trade have been buying harvest tools in good quantities lately, however, and their stocks are in good condition, so that at the advanced cost there is likely to be a considerable falling off in the demand.

FIREBRICKS.—The market is not active, and prices are steady and unchanged. Scotch sell for $19 to $23.50, and English, for $18.50 to $22.50 per 1,000.

CEMENT.—In cement there is not as good a demand this week as last. Business is just moderate. Quotations are: German cement, $2.30 to $2.40; English, $2.25 to $2.35; Belgian, $1.70 to $1.95 per bbl. ex-wharf, and American, $2.20 to $2.30 ex-cars.

METALS.

The foreign metal market shows practically no change. Prices are firm all round, and on nearly every class of metal the feeling is growing stronger. In the local market there has been an active movement at prices that are well maintained. Were it not for the heavy stocks which wholesalers are now fortunate in possessing there would undoubtedly be an advance in more than one line. Bar iron is stiffening, and it is the opinion of some dealers that an advance in price may occur before very long. The heavy buying of scrap, in Germany, by Americans, has had much to do with the present condition of iron. The German market has been considerably strengthened and others have risen in sympathy. The lack of sufficient cars in the United States continues, and buyers find difficulty in getting their goods shipped. Pig iron is at present also hard to obtain from the manufacturers.

PIG IRON.—There is something of a firmer feeling in the pig-iron market, owing to a difficulty in getting deliveries. Prices remain at $21 to $21.50 for Summerlee, and $18.50 to $19 for Canadian.

BAR IRON.—There is a very good demand and the market is firmer. We quote: Merchants' bar, in small lots, at $1.95; horseshoe iron, $2.15 to $2.20.

BLACK SHEETS.—The demand is only moderate and no quotable change has occurred. We quote as follows: 28 gauge, $2.65; 26 gauge, $2.60; 20 to 24 gauge, $2.50, and 8 to 20 gauge, $2.50.

GALVANIZED IRON.—The market remains quiet and steady. Quotations are: No. 28, Queen's Head, $4.40; Apollo, 10¾ oz., $4.40; Comet, $4.25 with 10c. extra in less than case lots.

INGOT COPPER.—We quote 14c.

INGOT TIN.—Straits sell for 29c.

PIG LEAD.—There is not as active an market this week. The trade is no more than fair. The price remains at $3.25.

LEAD PIPE.—The market is rather quiet. Composition is worth 7½c.; ordinary, 7c. Discount 35 per cent.

IRON PIPE.—This is still quoted at the same price. An active inquiry continues. We quote, per 100 feet, for standard pipe, screwed and coupled, in lengths under 19 feet, as follows: Black pipe, ⅛, $3; ¼, $2.50; ⅜, $2.75; ½, $3; ¾, $3.70; 1-inch, $5.25; 1¼, $7.40; 1½, $8.90; 2-inch, $12.40. Galvanized, ⅜, $3.55; ½, $4; ¾, $5.05; 1-inch, $7.25; 1¼, $10.10; 1½, $12.15; 2-inch, $16.70. Extra heavy pipe, plain ends, are quoted, per 100 feet, as follows: Black, ½, $4.35; ¾, $5.30; 1-inch, $7.60; 1¼, $10.60; 1½, $12.70; 2-inch, $17.45. Galvanized, ½, $5.35; ¾, $6.70; 1-inch, $9.60; 1¼, $13.30; 1½, $15.95; 2-inch, $21.75. For threads and couplings, 5 per cent. is added.

TINPLATES.—There has been no change. Prices here and on the foreign markets are very firm. We quote: Cokes at $4.25 to $4.50 per box, and charcoal at $4.75 to $5.25 per box.

CANADA PLATE.—These are still selling at the quotations of last week. Wholesalers have no need to raise their prices as yet in accordance with the advances on the primary market, but any imports now would command a much higher figure. The local market is firm. Our quotations are now as follows: 52's, $2.65 to $2.70; 60's, $2.75 to $2.80; 75's, $2.80 to $2.85; full polished, $3.75, and galvanized, $4.25 to $4.35.

STEEL.—A good demand keeps up, at unchanged prices. Our quotations are as follows: Sleighshoe, $2.10; tire, $2.15; bar, $2.05; spring, $2.85; reeled machinery, $3; toecalk, $2.60.

SHEET STEEL.—The demand is hardly even moderate. Prices are as follows: Nos. 10 to 20, $2.50; 3-16, $2.50; ¼, 5-16 and ⅜, $2.40.

TOOL STEEL.—This is not moving very well. The price for Diamond is 8c., and for Jessop's, 13c.

TERNE PLATES.—We quote $7.75 to $8.00.

COIL CHAIN.—No advance has been made, though the market, for some sizes, is becoming firmer. A good trade is doing. Quotations are as follows: No. 6, 12½c.; No. 5, 10½c.; No. 4, 10c.; No. 3, 9½c.; ¼-in., 7½c. per lb.; 5-16, $4.80; 5-16 exact, $5.25; ⅜, $4.25; 7-16, $4.05; ½, $3.85; 9-16, $3.75; ⅝, $3.55;

¾, $3.50; ⅞, $3.45; 1-in., $3.45. In carload lots an allowance of 10c. is made.

SHEET ZINC.—We quote $5.75 to $6.25.

ANTIMONY.—We quote 10c.

ZINC SPELTER.—There is almost no inquiry for spelter. The price is 5c.

SOLDER.—A steady demand continues. Bar solder is worth 18c., and wire solder sells for 20c.

PAINTS AND OILS.

A firmness characterizes the white lead market now that there appears to be no change in prices in sight, and during the past few days shipments have materially increased. The bulk of these orders has been for strictly pure lead, but a large quantity of No. 1 and No. 2 grades have also been turned out. Linseed oil is selling fairly well for immediate shipments at the prevailing prices, the tendency being to buy in small lots for instant requirements. Turpentine is unchanged in price and is in fair demand. The paris green market has steadied wonderfully, and a number of sales are being made at schedule rates. Canadian manufacturers of it are now busily engaged in shipping, and it is thought that in a month's time there will not be much paris green afloat. This article is peculiar, in that whatever quantity is made for the year, it is all manufactured in the cold season, and none at all is made at any other time of the year, as it does not pay to start making afresh, however good the demand, when warm weather comes on. In colors and varnishes there is no change, and business is brisk. We quote as follows:

WHITE LEAD.—Best brands, Government standard, $5.87½; No. 1, $5.50; No. 2 $5.12½; No. 3, $4.75; No. 4, $4.37½ all f.o.b. Montreal.

DRY WHITE LEAD—$5.25 in casks; kegs, $5.50.

DRY WHITE ZINC — Pure dry, 6¼c.; No. 1, 5¼c.; in oil, pure, 7¼c.; No. 1, 6¼c.; No. 2, 5¼c.

PUTTY — We quote: Bulk, in bbls., $1.90 per 100 lb.; bulk, in less quantity, $2.05; bladders, in bbls., $2.25; bladders, in 100 or 200 lb. kegs or boxes, $2.40; in tins, $2.55 to $2.65; in less than 100-lb. lots, $3 f.o.b. Montreal, Ottawa, Toronto, Hamilton, London and Guelph. Maritime Provinces, 10c. higher, f.o.b. St. John and Halifax.

ORANGE MINERAL—Casks, 7c.; 100 lb. kegs, 7¼c.; smaller quantities, 8¼c.

RED LEAD — Genuine red lead in casks, $4.50; in 100-lb. kegs, $4.75; less quantities, $5.75 per 100 lb. No. 1 red lead, casks, $4.25; kegs, $4.50, and smaller quantities, $5.50.

LITHARGE—Ground, casks, 5c.; less, 5½c.; flake litharge, casks, $5.25; smalls, $5.75 per 100 lb.

LINSEED OIL.—Raw, 80c.; boiled, 83c. In 5 to 9 bbls., 1c. less; 10 to 20 bbl. lots open, net cash, plus 2c. for four months. Delivered anywhere in Ontario between Montreal and Oshawa at 2c. per gal. advance and freight allowed.

TURPENTINE.—Single bbls., 67c.; 2 to 4 bbls., 66c.; 5 bbls. and over, open terms.

SHELLAC VARNISH — Pure white, $2.35 to $2.45; orange, $2.25 to $2.35.

MIXED PAINTS—$1.20 to $1.45 per gal.

CASTOR OIL—8¾ to 9¼c. in wholesale lots, and ¼c. additional for small lots.

SEAL OIL—47½ to 49c.

COD OIL—32½ to 35c.

PARIS GREEN — Petroleum barrels, 16¾c. per lb.; arsenic kegs, 17c.; 50 and 100-lb. drums, 17½c.; 25-lb. drums, 18c.; 1-lb. packages, 18½c.; ½-lb. packages, 20½c.; 1-lb. tins, 19½c.; ½-lb. tins, 21½c. f.o.b. Montreal. Terms: 3 per cent. 30 days, or four months from date of delivery.

SCRAP METALS.

The market seems to be about cleaned up on some lines. There is some scarcity of all metals, and wrought iron is very hard to obtain. It is the opinion among jobbers that imports from England to Canada will be light this year. Wholesalers are paying the following prices: Heavy copper and wire, 11c. per lb.; light copper, 8c.; heavy red brass, 11c.; heavy yellow, 9c.; light brass, 5c.; lead, 2⅜ to 2⅝c.; zinc, 2 to 2¼c.; iron, No. 1 wrought, $17; machinery scrap, $15; stove plate, $9 to $11; light iron, No 2, $7 per ton; malleable and steel, $4; rags, country, 60 to 70c. per 100 lb.; old rubbers, 6c. per lb.

GLASS.

Practically all retailers have booked their orders for spring. The trade continues fair at steady and unchanged prices. The unfavorable weather has interfered with this trade. We quote: First break, 50 feet, $2.10; second, $2.20 for 50 feet; first break, 100 feet, $4.00; second break, $4.20; third break, $4.70; fourth break, $4.95.

HIDES.

There is very little doing. Caliskins are 1c. higher, and No. 1 are now worth 10c. We quote: No. 1 hides, 7c.; No. 2, 6c.; No. 3, 5c. Sheepskins, 65c.

MONTREAL NOTES.

The discount on harvest tools has been changed from 70 per cent. to 60 and 10 and 10 per cent. off list.

Square nuts are now 3½c. per lb. off list; hexagon nuts, 3¾c. per lb. off list.

Alterations have been made in the discounts of all bolts except tire and stove bolts.

ONTARIO MARKETS.

TORONTO, March 14, 1902.

HARDWARE.

THE improvement noted in the wholesale hardware trade last week has been maintained. Large quantities of seasonable goods are being shipped and a good many orders are coming to hand. As far as prices are concerned, the feature is an advance in both bolts and harvest tools. The latter are about 7½ to 8 per cent., and the former about 10 per cent., higher. At the advance prices are firm in both lines. The demand for bolts, rivets and screws is brisk. Wire nails are meeting with a good demand and wire is moving out fairly well. A nice business is being done in tinware and enamelled ware. Sap buckets are still being shipped.

BARB WIRE—Shipments are going forward fairly well, but most of the orders have been booked. We quote as follows: F. o. b. Cleveland, $2.77½ for less than carlots, and $2.65 for carlots. From stock Toronto, $3.

GALVANIZED WIRE—A nice trade is being done in shipments from stock. Our quotations are as follows: Nos. 6, 7 and 8, $3.50 to $3.85 per 100 lb., according to quantity; No. 9, $2.85 to $3.15; No. 10, $3.60 to $3.95; No. 11, $3.70 to $4.10; No. 12, $3 to $3.30; No. 13, $3.10 to $3.40; No. 14, $4.10 to $4.50; No. 15, $4.60 to $5.50; No. 16, $4.85 to $5.35. Nos. 6 to 9 base f.o.b. Cleveland are quoted at $2.52½ in less than carlots and 12c. less for carlots of 15 tons.

SMOOTH STEEL WIRE—A few shipments of oiled and annealed have gone forward, and a little is being done in hay-baling wire. The base price is: $2.60 per 100 lb. Oiling 10c.; coppering, 60c., and tinning, $2 per 100 lb. extra. Delivery points, Toronto, Hamilton, London and Montreal, with freights equalized on those points.

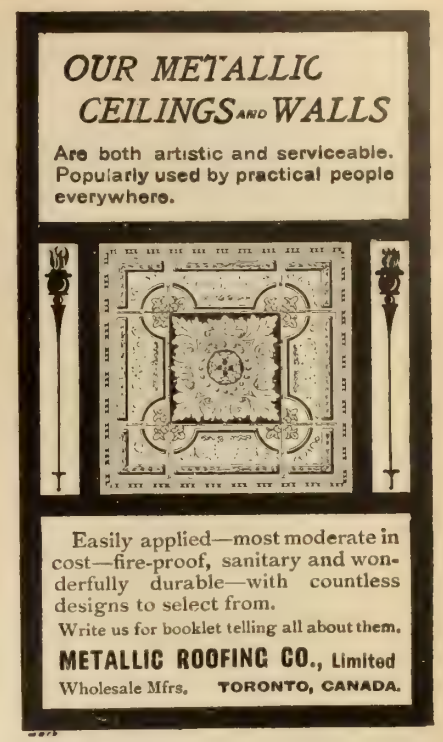
FINE STEEL WIRE—The movement is light. Discount is 22½ per cent.

WIRE NAILS — Business is improving, and the factories are all busy. We quote $2.55 for less than carlots, and $2.50 for carlots. Delivery points, Toronto, Hamilton, London, Gananoque and Montreal.

CUT NAILS — Business continues dull. We quote base price $2.35 per keg, with 7½c. allowance on carlots.

HORSE NAILS—There is no improvement. Discounts are as follows: "C" brand, oval head, 50 and 7½ per cent., and on "M" and other brands, 50, 10 and 5 per cent. Countersunk head 60 per cent.

HORSESHOES—Business is still light. We



quote f.o.b. Toronto: Iron shoes, No. 2 and larger, light, medium and heavy, $3.60; snow shoes, $3.85; light steel shoes, $3.70; featherweight (all sizes), $4.95; iron shoes, No. 1 and smaller, light, medium and heavy (all sizes), $3.85; snow shoes, $4; light steel shoes, $3.95; featherweight (all sizes), $4.95.

SCREWS — Business continues good. Discounts are as follows: Flat head bright, 87½ and 10 per cent.; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.; round head bronze, 65 per cent., and flat head bronze 70 per cent.

RIVETS AND BURRS—There is a good demand, and the requirements of purchasers are increasing. We quote as follows: Iron rivets, 60 and 10 per cent.; iron burrs, 55 per cent.; copper rivets, with usual proportion of burrs, 45 and 10 per cent.; copper burrs alone, 30 and 10 per cent.

BOLTS AND NUTS—Discounts have been reduced and a new list has been issued on carriage bolts. The list is printed in another part of this paper. The demand for bolts is good, and dealers are disposed to anticipate their requirements. We quote: Carriage bolts, common ($1 list), 50 per cent.; carriage bolts, full square ($2.40 list), 55 per cent.; carriage bolts, Norway iron ($3 list), 55 per cent.; machine bolts, all sizes, 50 and 5 per cent.; coach screws, cone points, 66⅔ per cent.

ROPE—The demand is fair, and prices continue firm. We quote: Pure manila, 16c.; British manila, 14c.; sisal, 12½c.; lathyarn, 11c.; sisal bed cord, 3 cord, 48 ft., 65c.; 60 ft., 80c.; 72 ft., 95c. per doz.

MILK CAN TRIMMINGS—Business is not as heavy as it was, as requirements have been pretty well satisfied. Discounts 25 per cent.

SAP BUCKETS—These are still being shipped in good quantities. Discount 40 and 10 per cent.

EAVETROUGH—A fair business is being done. We quote 10-inch at $3.10 per 100 feet.

SCREEN DOORS AND WINDOWS—A good many orders have been booked, but shipments are not yet going forward. Common doors, 2 or 3 panel, are quoted f.o.b. factory points as follows: Walnut, stained, 3-in. style, $6.80 per dozen; stained, yellow, $7; natural color, oil finish, $8.15; 4-in. style, 20c. extra per dozen. Windows: No. 0, $1.60; No. 1, $1.70; No. 2, $1.95; No. 3, $2.10; No. 4, $2.50 per dozen.

GREEN WIRE CLOTH—Little or nothing is going forward yet. We quote $1.25 per 100 square feet.

SPADES AND SHOVELS—There is a fairly good movement in this line. Discount 40 and 5 per cent.

HARVEST TOOLS—The discount has been reduced, being now 60, 10 and 10 per cent. The market is firm. There was recently an advance of 10 per cent. in the United States.

BUILDING PAPER — A fair business is being done. We quote as follows: Dry sheathing, grey or straw, 30c. per roll; tar sheathing, grey or straw, 40c. per roll; dry fibre, 50c. per roll; tarred fibre, 60c. per roll.

CUTLERY—A fair business is being done for this time of the year.

SPORTING GOODS—The volume of business in this line is light.

LAWN MOWERS—A little business is passing. We quote: Discount on high-wheel mowers, 50 per cent.; "Star" mowers, 9 in. wheels, $2.50 to $3; "Daisy" mowers, 17 in. wheels, $2.25 to $2.50.

BINDER TWINE—Although dealers are not buying large quantities there is a fair business doing, the idea appearing to be to place orders for probable requirements. We quote: "Blue Ribbon," 650 ft., 14½c.; "Red Cap," 600 ft., 13½c.; "Tiger," 580 ft., 12½c.; sisal, 500 ft., 11c.

PIPE FITTINGS—The manufacturers in the United States have withdrawn their prices on pipe fittings and are quoting on application only.

CEMENT—The demand continues to improve with the advance of the season. Prices are steady. We quote: Canadian Portland, $1.90 to $2 75; Canadian hydraulic, $1.25 to $1.50; German, $3; English, $3 to $3.15; Belgian, $2.50 to $2.75 per bbl., and American, $2 20 to $2.30 ex cars.

METALS.

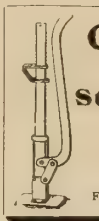
Iron and steel continue firm. In metals generally a good business is being done, particularly for shipment from stock.

PIG IRON—The pig iron market continues firm. In the United States heavy premiums are being given, in some instances, in order to secure prompt delivery. We quote: Canadian pig iron on track Toronto at $19 for No. 1, and $18.25 to $18.50 for No. 2.

BAR IRON — There is an increase in the demand this week, and prices are firm. There appears to be an indisposition among some of the mills to advance prices, fearing that it would check consumption. We quote price at $1.95 to $2.05. Extras cut to length while rolling: 2 ft. and over, 10c. per 100 lb.; 1 ft. and under 2 ft., 15c.; under 1 ft., 20c.; over 20 ft. by special agreement, according to length and size.

STEEL—The demand is rather light, but a scarcity still exists in many lines. Quotations by Toronto wholesalers are: Merchantable cast steel, 9 to 15c. per lb.; drill steel,

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.
'WELLINGTON' KNIFE POLISH
JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
Wellington Mills, London, England.
Agent:
JOHN FORMAN, 644 Craig Street
MONTREAL


COVERT MFG. CO.
West Troy, N.Y.
Steel Carriage and Wagon Jacks,
Harness Snaps, Chain, Rope and Web Goods, etc.
FOR SALE BY JOBBERS AT MFRS. PRICES.

PRIEST'S CLIPPERS
BALL BEARINGS
Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H. U.S.A.

NEWMAN'S PATENT
INVINCIBLE FLOOR SPRINGS
Combine all the qualities desirable in a Door Closer. They work silently and effectually, and never get out of order. In use in many of the public buildings throughout Great Britain and the Colonies.
MADE SOLELY BY
W. NEWMAN & SONS, Birmingham.

Oneida Community Goods
HALTERS, COW TIES SNAPS, etc., etc.,
in all sizes and styles. May be had of all jobbers throughout Canada.
Factory—NIAGARA FALLS, ONT.

GARDEN AND ALL OTHER STYLES OF
WHEELBARROWS, WASHING MACHINES,
ROUND AND SQUARE.
ROTARY AND REACTING.
Warehouse Trucks, Bag Trucks, Barrel Trucks, etc., etc.
WRITE FOR PRICES.
CLELAND BROS & CO.,
MEAFORD, ONT. (12)

8 to 10c. per lb.; "BC" and "Black Diamond" tool steel, 10 to 11c.; Jessop's, Morton's and Firth's tool steel, 14c.; toe-calk steel, $2.85 to $3; tire steel, $2.30 to $2.50; sleighshoe steel, $2.10 to $2.25; reeled machinery steel, $3, hoop steel, $2.90.

BLACK SHEETS—The demand continues good. We quote: Common, $3.15 for 28 gauge; and dead flat, $2.50 for 26 gauge.

CANADA PLATES—A small business is being done from stock. Import orders are being booked for fall delivery. We quote: All dull, $3; half polished, $3.10; all bright, $3.75.

GALVANIZED SHEETS — The demand continues good. Quite a few import orders have arrived during the week. We quote: "Queen's Head" brand at $4.50 in case lots, and $4.65 in less quantities.

TIN—A fair business is being done. The outside markets are rather higher. The London market closed 7s. 6d. higher on Wednesday. In New York there is a scarcity of tin, but consumers are holding back in order to avoid paying premiums. The market there is consequently dull. Locally, quotations are higher at $29 to $30.

TINPLATES—A good business has been done during the past week, both from stock and for importation. We quote IC at $4.25 per box.

TINNED SHEETS—The demand is good. We quote as follows: 72 x 30, up to 24 gauge, 7½c.; ditto, up to 26 gauge, 8c.

COPPER — The London market on Wednesday closed 10s. higher on spot and 12s. 6d. higher on futures. The New York market is quiet. The American Metal Market says: "It is said that another curtailment of copper production in the Butte district will be made unless the price of copper is advanced." Locally, a good trade is being done in ingot copper, but sheet copper is quiet. We quote: Half-and-half, guaranteed, 19c.; do. commercial, 18½c.; refined, 18c.; wiping, 17½c.

BRASS—A fair business is being done at 15 per cent. discount.

PIG IRON—Trade is quiet. We quote: Pig lead at $3.50 to $3.75, and bar lead at $5.

IRON PIPE—There has been a readjustment of prices, and quotations are lower on sizes of black, down to 2 in. We quote per 100 ft.: ⅛ in., $3; ¼ in., $2.50; ⅜ in., $2 75; ½-in., $3; ¾-in., $3 70; 1 in., $5.25; 1¼ in., $7.40; 1½ in., $8 90; 2 in., $12.40; galvanized, 1 in., $7.25. Trade discount 4 per cent.

ZINC SPELTER—Some business is being done in small lots. We quote $5.50 to $6 per 100 lb.

ZINC SHEET—Orders, though numerous, are small. We quote $6 to $6.25 in casks and $6.25 to $6 50 in part casks.

SOLDER—There is a fairly-good demand. We quote: Half-and-half, guaranteed, 19c.; do. commercial, 18½c.; refined, 18c.; wiping, 17½c.

ANTIMONY—The demand is brisk this week. We quote 10c. per lb. for Cookson's.

PAINTS AND OILS.

Wholesale jobbers are busy shipping goods that have been previously booked for spring delivery and report that this season's volume of trade is fully equal to that of last year. The indications of an early spring also point to a big business this year. White leads are active, as are also mixed paints. Dry colors and zinc white are still a little quiet. Raw and boiled linseed oils are firm and are moving freely. Turpentine is steady. Varnishes are active and firm, the high prices of the gum and turpentine used in their manufacture making them have a tendency to advance. We quote:

WHITE LEAD—Ex Toronto, pure white lead, $5.87½; No. 1, $5.50; No. 2. $5.12½; No. 3, $4.75; No. 4, $4.37½ in pkgs. of 25 lb. and upwards; ½c. per lb. extra will be charged for 12½-lb. pkgs.; genuine dry white lead in casks, $5.12½.

RED LEAD—Genuine, in casks of 560 lb. $5.12½; ditto, in kegs of 100 lb., $5.50; No. 1, in casks of 560 lb., $4; ditto, kegs of 100 lb., $4.50.

LITHARGE—Genuine, 6 to 6½c.

ORANGE MINERAL—Genuine, 7½ to 8c.

WHITE ZINC—Genuine, French V.M., in casks, $6 to $6.25; Lehigh, in casks, $6.

BENZINE—In barrel lots, 16½c. per gal.; less quantities, 25c. per gal.

PARIS WHITE—90c. to $1 per 100 lb.

WHITING — 65c. per 100 lb.; Gilders' whiting, 80c.

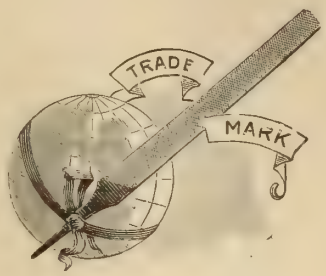
GUM SHELLAC — In cases, 35c.; in less than cases, 40c. per lb.

LIQUID SHELLAC—Pure orange, in bbls., $2.25 to $2.35; white, $2.35 to $2.45 per gal.; in less quantities, 10c. extra.

PUTTY—Bladders, in bbls., $2.25; bladders, in 100 lb. kegs, $2.40; bulk in bbls., $1.90; bulk, less than bbls. and up to 100 lb., $2.05; bladders, bulk or tins, less than 100 lb., $2.90.

PLASTER PARIS—New Brunswick, $1.90 per bbl.

GLOBE BRAND
Files and Rasps

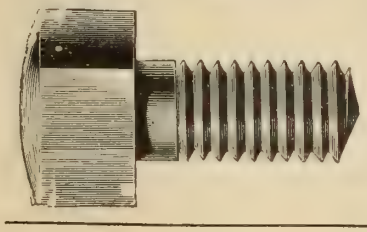


ALL SIZES,
ALL SHAPES,
ALL CUTS,
FOR ALL PURPOSES.

Are now manufactured by the NICHOLSON FILE CO. at their DOMINION WORKS, Port Hope, CANADA.

Made from first quality Cast Steel, by experienced workmen.
Every File carefully inspected, thoroughly tested and fully warranted.
For sale by all prominent Hardware Merchants throughout the Dominion.

WALTER GROSE, Selling Agent, MONTREAL



THE JOHN MORROW MACHINE SCREW COMPANY, Limited

Manufacturers of

Set and Cap Screws, Special Milled Work, Engine Studs, Etc. Cold Punched Nuts of every variety of finish.

INGERSOLL, ONT.



FOR SALE

125 tons 65-lb. Relaying Steel Rails with plates.
475 tons 56-lb. Relaying Steel Rails with plates.
80 tons 25-lb. Relaying Steel Rails with plates.
30 tons 14-lb. Relaying Steel Rails with plates.

Correspondence Solicited. *IMMEDIATE DELIVERY.*

SESSENWEIN BROS., - Montreal

PUMICE STONE — Powdered, $2.50 per cwt. in bbls., and 4 to 5c. per lb. in less quantity ; lump, 10c. in small lots, and 8c. in bbls.

LIQUID PAINTS—Pure, $1.20 to $1.30 per gal.

CASTOR OIL — English, in cases, 9½ to 10c. per lb. and 10 to 10½c. for single tins.

LINSEED OIL—Raw, 1 to 4 barrels, 82c.; boiled, 85c.; 5 to 9 barrels, raw, 81c.; boiled, 84c., delivered. To Toronto, Hamilton and London, 2c. less.

TURPENTINE—Single barrels, 68c.; 2 to 4 barrels, 67c., delivered. Toronto, Hamilton and London 1c. less. For less quantities than barrels, 5c. per gallon extra will be added, and for 5-gallon packages, 50c., and 10-gallon packages, 80c. will be charged.

GLASS.

There is a fair local trade. Prices are firm. We quote : Under 26 in., $4.25; 26 to 40 in., $4.65; 41 to 50 in., $5.10 ; 51 to 60 in., $5.35 ; 61 to 70 in., $5.75; 71 to 80, $6.25 ; 81 to 85, $7 ; 86 to 90, $7.75 ; Toronto, Hamilton and London. Terms, 4 months, or 3 per cent. 30 days. Discount off pane price list, 33⅓ per cent.

OLD MATERIAL.

Trade is improving and prices are steady. The bulk of the movement is in the metals. We quote as follows : Agricultural, 60c. per cwt. ; machinery cast, 60c. ; heavy copper, 10c½. per lb.; stove cast, 40c. ; No. 1 wrought, 50c. per 100 lb. ; new light scrap copper, 7½c. per lb.; bottoms, 8½c.; coil wire, 10c.; light brass, 5c.; heavy yellow brass, 7½c. ; heavy red brass, 8½c. ; scrap lead, 2¼c. ; zinc, 2c. ; scrap rubber, 6c. ; good country mixed rags, 50 to 60c.; clean dry bones, 40 to 45c. per 100 lb.

HIDES, SKINS AND WOOL.

HIDES—The market is weak owing to the unsatisfactory condition of the skins usual at this season of the year. We quote : No. 1, green, 7c.; No. 2 green, 6c. ; No. 1 green, steers, 8c.; No. 2 green, steers, 7c.; cured, 7¾ to 8c.

SKINS—The market is dull and the prices are unchanged. We quote : No. 1 calfskins, 9c.; and No. 2, 7c.; deacons (dairies) 55 to 60c. each ; sheepskins, 65 to 80c.; deerskins, 12½ to 14c. per lb.

WOOL—The wool market is in an unsatisfactory condition owing to the weak export demand. We quote : Fleece, 13c., and unwashed, 7 to 8c. per lb.

SEEDS.

Red clover and alsike are dull, owing to the close of the export season, and the prices are weak but unchanged. We quote buying price at outside points : Red clover, $4.50 to $4.75 ; alsike, $7.25 to $8.25, and timothy, $2.50 to $3.25 per bush.

COAL.

The situation is improving, but still there is a delay in shipments, owing to a lack of motive power. Prices are nominal. We quote at international bridges as follows: Grate, $4 75 per gross ton ; egg, stove and nut, $5 per gross ton ; soft coal, $2.50 to $3.25 in bond, according to grade.

PETROLEUM.

Business continues fair. We quote: Pratt's Astral, 16½ to 17c. in bulk (barrels, extra); American water white, 17 to 17½c. in barrels; Photogene, 16½ to 17c. ; Sarnia water white, 16 to 16½c. in barrels; Sarnia prime white, 14½ to 15c. in barrels.

MARKET NOTES.

Pig tin is quoted 1c. higher.

Iron pipe is quoted lower down to 2 in.

Bolts are higher.

The discount on harvest tools has been reduced, being now 60, 10, and 10 per cent., instead of 70 per cent.

A good trade is being done in "Triumph" corn planters, Samson's boot calks and "Premier" broadcast seed sowers.

ELECTRIC SMELTER FOR PARRY SOUND.

A conference between the Anglo-American Mining Co., of Duluth, and Mr. Hatch, the inventor of the Hatch electric smelter, was held at Parry Sound recently, when negotiations were entered into for the erection of a smelter for the reduction of copper ore and the formation of a company to handle the Canadian business of the Electric Smelter Co.

The necessary stock has been subscribed and Hatch & Young have been notified that their offer has been accepted by the local company. It is expected that by the end of the coming summer an electric smelter will be erected in Parry Sound.

ORANGEVILLE FIRM DISSOLVES.

The partnership that has previously existed between Adamson, Hewitt & Sproule, hardware, stove and tinware merchants, Orangeville, Ont., has been dissolved. This was on account of the continued ill-health of Mr. J. J. Hewitt, who, upon the advice of his physician, has decided to change his residence and occupation by going to the Canadian Northwest, where he intends to engage in ranching.

This firm has been in business at Orangeville for five years, during which time it has met with a good measure of success.

J. B. Adamson and Ed. H. Sproule continue under the style of Adamson & Sproule.

GRAIN SHIPMENTS.

In the House of Commons on Thursday, Dr. Sproule was told by Mr. Paterson that during the year 1901 the number of bushels of grain or other seeds shipped from various ports was :

	Bushels.
Depot Harbor	17,524
Midland	7,840,546
Collingwood	222,000
Meaford	1,447,222
Owen Sound	1,576,527
Sarnia	5,624,520
Goderich	2,665,420

During the same year 143,262 barrels of flour were shipped from Depot Harbor, 13,963 barrels from Owen Sound, and 297,669 barrels from Sarnia.

TO MAKE SILICATE BRICK.

A NEW industry for North Sydney, C.B., will be the manufacture of silicate brick. A company has been formed with a capital of $100,000, and is applying to the Nova Scotia Legislature for incorporation, for already sufficient stock has been subscribed to guarantee the commencement of the undertaking.

The officers of the company are to be : Hiram Donkin, ex-manager of the Dominion Coal Co., president ; A. C. Bertram, ex-mayor of North Sydney, vice president ; E. E. Odell, chief engineer of the Dominion Coal Co., secretary, and H. F. McDougall, ex-M.P., John Vooght, John McCormick, M.P.P., Capt. David Rudderham, A. A. McLennan and J. A. Gillies, K.C., directors.

This North Sydney Co. has secured the exclusive rights of manufacturing bricks by the Swedish process. This method is a secret one, and in Germany and France, where it is much used, the silicate brick is rapidly surpeseding the clay brick on account of its cheapness.

By the application of intense pressure the bricks are manufactured from ordinary sand. The finished article is both handsome and durable for all classes of buildings, presenting the appearance of very fine sandstone. Exhaustive tests which have been made at McGill University, Montreal, in regard to its pressure, freezing, breaking, etc., have proved most satisfactory. A company has also been formed by Charles Shephard & Sons, Montreal, for the manufacture of silicate brick in Quebec for which they have purchased the rights.

CHANGE IN AN ATWOOD FIRM.

Mr. John Roger, Atwood, Ont., has taken into partnership Mr. T. G. Ratcliffe, and they will continue to do business at the old stand as hardware merchants under the name of Roger & Ratcliffe. Mr. Roger was in Toronto this week and called on HARDWARE AND METAL.

ANOTHER BEREAVEMENT.

The hardware trade will regret to hear of the death of Mr. Peleg Howland's 19 months' old son. The little fellow had been ailing for some time and died on Tuesday last. It is only three or four weeks ago, it will be remembered, that Mr. Howland lost his father.

Wettlaufer Bros. & Sons., Stratford, Ont., are now looking for sample and show rooms in Winnipeg. They are at present showing several lines of their goods in the warehouse of The Fairchild Co. Among the lines offering, new to this market, are a combined wagon box, hay rack and cattle pen, a washing machine with some new features, a fanning-mill of exceptional power, a churn and a wheelbarrow. There is a possibility of a local company being formed to manufacture the wagon boxes as it is expected they will be popular here.

LEADER CHURN

New Century Improvements

FOUR DIFFERENT STYLES:

A—Steel Frame with double reversible Steel Lever.
B—Wood Frame with double reversible Steel Lever.
C—Steel Frame with Crank.
D—Wood Frame with Crank.

Styles **A** *and* **B** *may be operated from a sitting or standing position.*

Steel Frames and Hoops beautifully ALUMINIZED.

All LEADER CHURNS are equipped with BICYCLE BALL BEARINGS and PATENTED CREAM BREAKERS.

Stands are so constructed that they are particularly strong and rigid, and there is nothing to interfere with the placing of pail in the most convenient position for draining off buttermilk.

It Pays to Have the Best. None are Better Than the Leader.

THE DOWSWELL MANUFACTURING CO.,
HAMILTON, ONT. Limited.

Eastern Agents: W. L. Haldimand & Son, Montreal, Que.



The New Century Washing Machine



IT LOOKS EASY.
IT IS EASY.

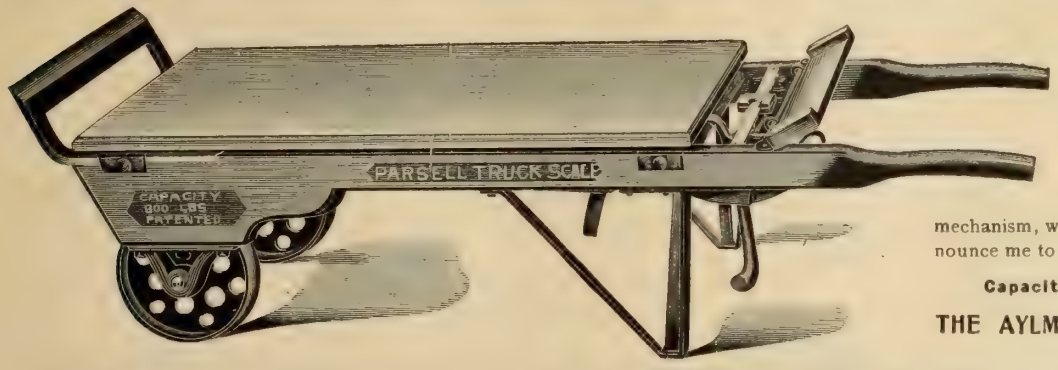
Steel Ball Bearings, same as used in High-Grade Bicycles, and strong tempered steel spiral springs render it so No machine on the market approaches it in simplicity, ease, quickness, or thoroughness.

Equally well adapted for use in Public Institutions, Hotels, Laundries, or the Home.

The operator does most effective work while seated. Splashing impossible.

Quick Seller. **Once Inspected, Soon Selected.**

I AM THE PARCELL DROP LEVER TRUCK SCALE.



I HAVE no connection or relationship with any other Truck Scale. Do not condemn me because some other Truck Scale was not right, but give me a chance to prove to you that I am the most convenient scale made, and that I am perfectly correct and a first-class piece of mechanism, which I must be, as good inspectors pronounce me to be a first-class article.

Capacities: 800 lb., 1,200 lb., 1,600 lb.

THE AYLMER IRON WORKS CO., Limited
AYLMER, ONT.

Special Cut Prices

BICYCLE SUNDRIES

LAMPS

20th Century Gas	Electro Gas	Searchlight Oil	Matthews & Willard Oil	Queen and Leader Oil
$1.80	$1.40	$1.50	$1.10	75c. each

CYCLOMETERS

Veeder	New Era	Standard	Spalding
$6.00	$6.00	$3.25	$3.00 dozen

BELLS

New Departure . . .	D 7½—$1.90	E 9½—$3.00	E 6½—$3.00	E 7½—$2.50 per dozen
Bristol Bells	No. 122—$1.90	No. 190—$1.30	No. 322—$2.95	No. 413—$5.35 per dozen

TOE CLIPS—50c. per dozen pair. **LAMP BRACKETS—35c. dozen.** **COASTERS—$1.00 per dozen pair.**

Full Line of Eclipse Cements and Oils, Etc. Coles' "3 in 1" and Lubricants.

"WELLINGTON"

HIGHEST-GRADE BICYCLE Made in America

$20.00

Dunlop Tires. Brown's Saddles.
Complete Bicycle Catalogue on application.

Caverhill, Learmont & Co.

89 ST. PETER STREET, MONTREAL.

MANITOBA MARKETS.

WINNIPEG, March 10, 1902.

THE trade of the week has been good in nearly all lines and the promise of the early opening of navigation is having a stimulating effect. The very mild weather is also creating more movement among contractors and builders, and preparation for spring work is fully two weeks ahead of the ordinary season.

There are few changes of prices to note in any line; in fact, the advance of 50c. per cwt. on manila rope is the only one that can actually be quoted.

All lines of paints, oils and glass are moving freely, but without change of price.

Binder twine is active just now, and representatives of various factories are visiting the city. The indications are that prices will be firm and high all season.

Price list for the week is as follows:

Barbed wire, 100 lb	$3 30
Plain twist	3 40
Staples	3 95
Oiled annealed wire, 10	3 85
" 11	3 90
" 12	3 95
" 13	4 10
" 14	4 25
" 15	4 35
Galvanized wire, 6 to 8 gauge	4 00
" 9 "	3 50
" 10 "	4 05
" 11 "	4 20
" 12 "	3 65
" 13 "	3 75
" 14 "	4 45
" 15 "	4 60
" 16 "	4 75
Wire nails, 30 to 60 dy, keg	3 25
" 16 and 20	3 35
" 10	3 35
" 8	3 45
" 6	3 50
" 4	3 65
" 3	3 90
Coil chain, 3-16 inch	10¼
" ¼ inch	8¾
" 5-16 inch	5½
" ⅜ inch	5¼
" 7-16 inch	5
" ½ to ¾ inch	4¾
Cut nails, 30 to 60 dy	3 05
" 20 to 40	3 10
" 10 to 16	3 15
" 8	3 20
" 6	3 25
" 4	3 35
" 3	3 70
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to No 1	4 65
No. 2 and larger	4 40
Snow shoes, No. 0 to No. 1	4 90
No. 2 and larger	4 40
Steel, No. 0 to No. 1	4 95
No. 2 and larger	4 70
Bar iron, $2.70 basis.	
Swedish iron, $5.00 basis.	
Sleigh shoe steel	3 25
Spring steel	3 25
Machinery steel	3 75
Tool steel, Black Diamond, 100 lb	8 50
Jessop	13 00
Sheet iron, black, 10 to 20 gauge, 100 lb.	3 50
20 to 26 gauge	3 75
28 gauge	4 00
Galvanized American, 16 gauge	2 79
18 to 22 gauge	4 75
24 gauge	5 00
26 gauge	5 25
28 gauge	5 50
Genuine Russian, lb	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 75
26 gauge	8 00
28 gauge	8 50
Tinplate, IC charcoal, 20 x 28, box	11 00
" IX "	13 00
" IXX "	15 00
Ingot tin	33
Canada plate, 18 x 21 and 18 x 24	3 75
Sheet zinc, cask lots, 100 lb	7 00
Broken lots	7 50
Pig lead, 100 lb	6 00
Wrought pipe, black up to 2 inch	50 an 10 p.c.
" Over 2 inch	50 p.c.
Rope, sisal, 7-16 and larger	$13 50
" ⅜	14 00
" ¼ and 5-16	14 25
Manila, 7-16 and larger	17 00
" ⅜	17 50
" ¼ and 5-16	18 00
Solder	18
Cotton Rope, all sizes, lb	17
Axes, chopping	$7 50 to 12 00
" double bitts	12 00 to 18 00
Screws, flat head, iron, bright	87½
Round " "	82½
Flat " brass	80
Round " "	75
Coach	57½ p.c.
Bolts, carriage	50 p.c.
Machine	50 p.c.
Tire	60 p.c.
Sleigh shoe	65 p.c.
Plough	40 p.c.
Rivets, iron	50 p.c.
Copper, No. 8	26
" No. 12	30
Bluestone, cask lots	$5 50
Spades and shovels	40 p.c.
Harvest tools	70 p.c.
Axe handles, turned, s. g. hickory, doz.	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 75
No. 1	1 25
Files common	70, and 10 p.c.
Diamond	60
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	30 p.c.
" military	15 p.c.
American R.F.	30 p.c.
C.F. pistol	5 p.c.
C.F. military	10 p.c. advance.
Loaded shells:	
Eley's soft, 12 gauge black	16 50
chilled, 12 gauge	18 00
soft, 10 gauge	21 00
chilled, 10 gauge	23 00
Shot, Ordinary, per 100 lb	6 25
Chilled	6 75
Powder, F.F., keg	4 75
F.F.G.	5 00
Tinware, pressed, retinned	75 and 2½ p.c.
" " plain	70 and 15 p.c.
Graniteware, according to quality	50 p.c.

PETROLEUM.

Water white American	25½ c.
Prime white American	24c.
Water white Canadian	22c.
Prime white Canadian	21½ c.

PAINTS, OILS AND GLASS.

Turpentine, pure, in barrels	$ 73
Less than barrel lots	70
Linseed oil, raw	82
Boiled	85
Lubricating oils, Eldorado castor	27½
Eldorado engine	26½
Atlantic red	29½
Renown engine	41
Black oil	19½
Cylinder oil (according to grade)	55 to 74
Harness oil	65
Neatsfoot oil	$ 1 00
Steam refined oil	85
Sperm oil	2 00
Castor oil, per lb.	11½
Glass, single glass, first break, 16 to 25 united inches	2 50
26 to 40, per 50 ft.	2 75
41 to 50, " 100 ft.	6 00
51 to 60, " " "	6 50
61 to 70, per 100-ft. boxes	7 00
Putty, in bladders, barrel lots, per lb.	2½
kegs "	2¾
White lead, pure, per cwt.	6 50
No. 1 "	6 00
Prepared paints, pure liquid colors, according to shade and color, per gal.	$1.30 to $1.90

BINDER TWINE.

Sisal and Standard f.o.b. Winnipeg	$ 11⅝
Manila, 550 feet	12⅞
Manila, 600 feet	14⅛
Pure Manila	15⅝
Five-ton lots ⅛c. less per lb., and car-lots ¼c. less.	

SCRAP.

No. 1 cast iron	$13 to $14 per ton
No. 2 "	5 to 6 "
Wrought iron scrap	5 "
Copper (heavy)	7c. per lb.
Yellow brass (heavy)	8c. "
Light brass	5c. to 6c. "
Lead pipe, or tea lead	2c. to 2½c. "
Zinc scrap	1c. "

NOTES.

F. Y. New is opening a hardware store at Grand View, Manitoba.

The Canadian representative of the Sewall & Day Cordage Company is at present in the city on his annual trip in the interests of his firm.

R. A. Percival is among the hardware travellers at present in the city.

"ANCHOR" STRAW HAT ENAMEL

For Making Old Straw Hats Look New.



Retails readily at 10c. per tin, and can be successfully used by anyone.

Send your orders in early, as we wish to have you supplied in time to meet the rush.

A handsome framed Show-Card furnished to all buyers

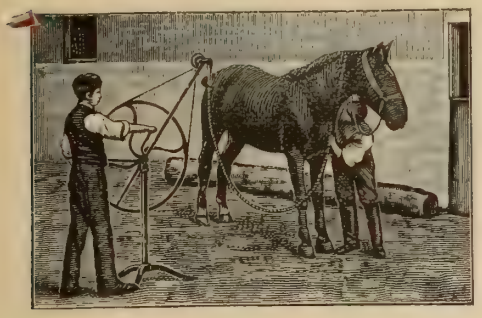
HENDERSON & POTTS

Sole Manufacturers,

HALIFAX AND MONTREAL.

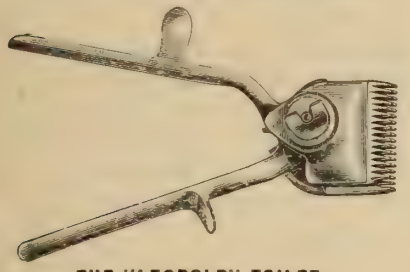
BURMAN & SONS' CELEBRATED CLIPPERS

Established 1871. **BIRMINGHAM, ENG.** for Horsemen and Barbers.



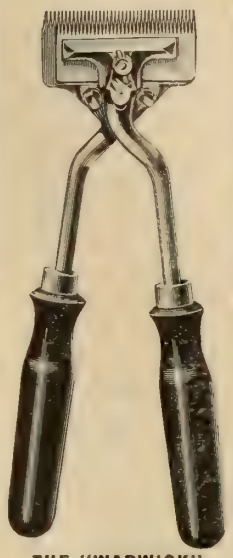
NO. 3—POWER CLIPPER, with "Wrist Joint."

As supplied to { The Czar of Russia. The King of Denmark. Earl Roberts, Etc., Etc.



THE "LEOPOLD" TOILET.

NO. 297.



THE "WARWICK" CLIPPER.

Cuts over three teeth.

As supplied to His Majesty's War Department.

SEND FOR PRICE LIST AND TERMS.

To be obtained from all the principal Jobbers throughout the Dominion.

BUTLER'S

FAMOUS

Sheffield Cutlery.

Fish and Dessert Knives; Spoons and Forks; Cabinets and Cases of Cutlery and Plate.

"BUTLER" was registered as a Trade Mark, A.D. 1768.

Sole Makers of the celebrated "CAVENDISH" brand of Table Knives and Carvers. And Butler's "KEEN" Razors.

HIGHEST AWARDS. SPECIAL MENTION.

—Full Line of Samples and stock at—

GEORGE BUTLER & CO.'S

LONDON SHOWROOM: 62 HOLBORN VIADUCT, E.C. (Over Snow Hill Station.)

MANUFACTORY: Trinity Works, SHEFFIELD, ENG.

Sausage Stuffer, Lard and Fruit Press



8 Sizes and Styles

Rapid Grinding and Pulverizing Mills

10 Sizes and Styles for Hand and Power



No. 3, $5.00

Bone, Shell and Corn Mill



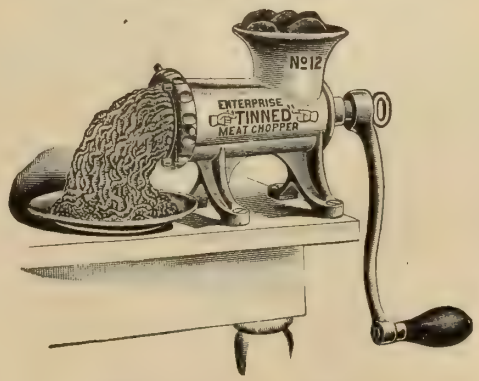
No. 750, $7.50

TRADE "ENTERPRISE" MARK

Meat and Food Choppers

TINNED

40 Sizes and Styles for Hand and Power from $1.00 to $300.00



No. 12, - - $2.50

Sold by all the leading Jobbers of the Dominion

ILLUSTRATED CATALOGUE MAILED FREE

The Enterprise Mfg. Co. of Pa.

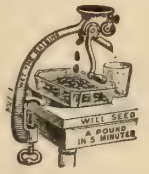
Philadelphia, Pa., U. S. A.

Meat Juice Extractor



No. 21, $2.50

Raisin Seeder



No. 36, $1.00

Cold Handle Polishing IRON



No. 82, $6.75 per doz.

HEATING AND PLUMBING

BUILDING PERMITS IN TORONTO.

DURING the week building permits have been granted from the Toronto City Commissioner's office to Caleb Evans, for a detached two-storey and attic residence on Bloor street west, for $6,000 ; S. Coma, for alterations and putting on a mansard roof to his store at 1088 Queen street west, for $500 ; The Toronto General Trusts Co., for a one-storey frame stable in rear of 195 King street east covered with galvanized, corrugated iron, for $300; W. H. Thompson, for three attached two-storey brick dwellings at 36, 36½ and 38 McPherson avenue, for $5,000; Mrs. A. McGregor, for a two-storey and attic brick dwelling at 342 St. Clarens avenue, for $3,000; Alexander Manning, for a third additional storey to brick warehouse at 74 and 76 Front street east, $1,500 ; Walter J. Clubb, for the erection of a two-storey and attic brick and stone dwelling at 380 Manning avenue, for $4,000 ; W. M. Douglas, for the erectiou of a two-storey brick addition to dwelling at 52 Homewood avenue for $300; John Badgerow for a pair of semi-detached brick houses on the corner of O'Hara and Marion avenues, for $5,000 ; Thomas McIlwain, for a pair of semi-detached stone and brick two storey-and-attic dwellings, at 1468 and 1470 King street west, for $5,000; A. Wills, for a pair of semi-detached brick houses on Harrison avenue, for $4,000 ; J. W. Butchart, for a two-storey frame and roughcast carpenter shop on Dundas street, for $300 ; Sovereign Bank, for alterations to bank at 28 King street west, for $2,000; Menzie Mfg. Co., for the erection of a three-storey brick addition and alterations to burnt buildings at 41 and 43 Pacific avenue, for $4,200 ; F. J. Goodman, for three attached two-storey-and-attic brick dwellings on Delaware avenue, for $6,900, and Fox & Co., for the erection of a one-storey brick addition to factory at King and Charlotte streets, for $250.

BUILDING IN OTTAWA.

There have been recently issued at Ottawa building permits to McKinley & Northwood for a brick dwelling on First avenue to cost $2,500 ; John E. Fudge, for a brick dwelling on Fourth avenue to cost $1,400 ; Wm. Thompson, for a brick veneered house on Flora street for $1,200 ; St. Germain & Black, for a brick veneered building on Waverley street for $2,500 ; the Brown estate for three brick buildings on Maria street for $5,000 ; Miss Ann Walsh for two brick veneered dwellings on Lisgar street for $1,300 ; Felix McCullough, for alterations to his house on Theodore street for $500 ; Duncan Brown for a double brick veneered dwelling on First avenue for $3,600 ; G. Rennock, for a brick veneered house on Waverly street for $800, and A. M. G. Harris, for a brick veneered house on Neville street for $800.

BUILDING IN WINNIPEG.

Building operations in Winnipeg will be active this summer. Already a number of new buildings are being contemplated. Amongst the most imposing of these will be St. Stephen's Church (Presbyterian), which is expected to cost, when finished, over $40,000. It will have a frontage of 75 ft. on Portage avenue and 125 ft. on Spence street, and three entrances. The exterior will have stone trimmings, and a tower will be at one corner.

The addition to St. Boniface College will consist of a wing 60 x 100 ft. of brick and stone and four storeys high, and will cost $30,000. It is to be fully equipped with all modern improvements, and the most improved system of plumbing and sanitary draining will be introduced.

The new building for St. Mary's Academy, which will be built during the summer, will be a five-storey structure with a frontage of 150 ft. long.

The Fairchild Company, Limited, will erect a large four-storey brick and stone building, 70x150 ft., to be used as a warehouse.

A residence for Mr. McManus will be built at the corner of York avenue and Edmonton street, to cost $6 000.

PLUMBING AND HEATING CONTRACTS.

Fiddes & Hogarth, plumbers, steamfitters, etc., Toronto, have secured contracts for the plumbing and heating of a house for Captain Trigge on Walker avenue, the plumbing of two houses on Gerrard street east for W. H. Gibbs, the plumbing of a number of houses around Kew Beach, the plumbing of the new meeting house for the Society of Friends on Carlton street, the plumbing of three houses on Maitland Place for Thomas Wilkins, and the plumbing and heating of the residence of Gerard Heintzman on Gerrard street.

SOME BUILDING NOTES.

W. A. Clow is building a store at Oak Lake, Manitoba.

James E. Watson is going to erect a new store at Beecher, Ont.

A new $5,000 church is being erected by the Baptists at Arnprior, Ont.

A big summer hotel will be built at Balmy Beach, Owen Sound, Ont.

Dr. Brown is calling for tenders for the erection of a solid brick office building at Port Arthur, Ont.

Charles Reckin is preparing for the erection of a new four-storey flour mill, 36x75, at Wiarton, Ont.

Robert Willis, of the I.C.R., has decided to build a house on Duke street, St. John, N.B., and has awarded the contract to Alex. Maxwell.

The Gurney Foundry Co., Limited, Toronto, contemplates the erection of a new foundry at Toronto Junction, Ont., at a cost of $40,000.

A new two-storey schoolhouse will be erected by the congregation of Rosh Pena Jewish synagogue, Winnipeg, in the rear of the present synagogue.

HAMILTON SEWERAGE.

Engineer Barrow, of Hamilton, recommends to the sewers committee of the Hamilton City Council that $400 be spent on the repairing of the Ferguson avenue sewage disposal works, which would be the cost of placing concrete around the walls where the leaks are between the bottoms of Nos. 4, 5 and 6 basins.

THE ATTRACTIONS OF VICTORIA.

A meeting of the Executive Committee of the Victoria Tourist Association, Victoria, B.C., was held on February 27 with a full attendance of members.

An address was given by G. S. Bennett on the methods employed by the Tourist Associations at Detroit, which he had been in close touch with for several years, at Halifax, St. John, and other places.

The question of employing a travelling advertising agent came up, but nothing definite was done.

A committee on printing was appointed to supervise the publication of a small folder for early distribution throughout the Pacific States, the Territories and Manitoba.



GET A PAINT

for your paint business that stands up against the weather at all times. It will give you something to talk about, something to induce customers, something to be proud of.

RAMSAYS PAINTS

are made to give you just such talks, such inducements, such helps to increase your business. And then you get handsome counter cards, posters, hangers, show cards, fence signs, everything that points the way to your store for the proper paints to paint with, and you have neat, attractive packages, nicely labelled, showing colors on the can in all the grades.

RAMSAYS PAINTS FOR THE HOUSE
RAMSAYS PAINTS FOR THE BARN
RAMSAYS PAINTS FOR THE FLOOR

for a price that people expect to pay and a profit for you in the handling. Want to see any of our travellers about it ?

A. RAMSAY & SON EST'D 1842
PAINT MAKERS MONTREAL

Gas Fixtures

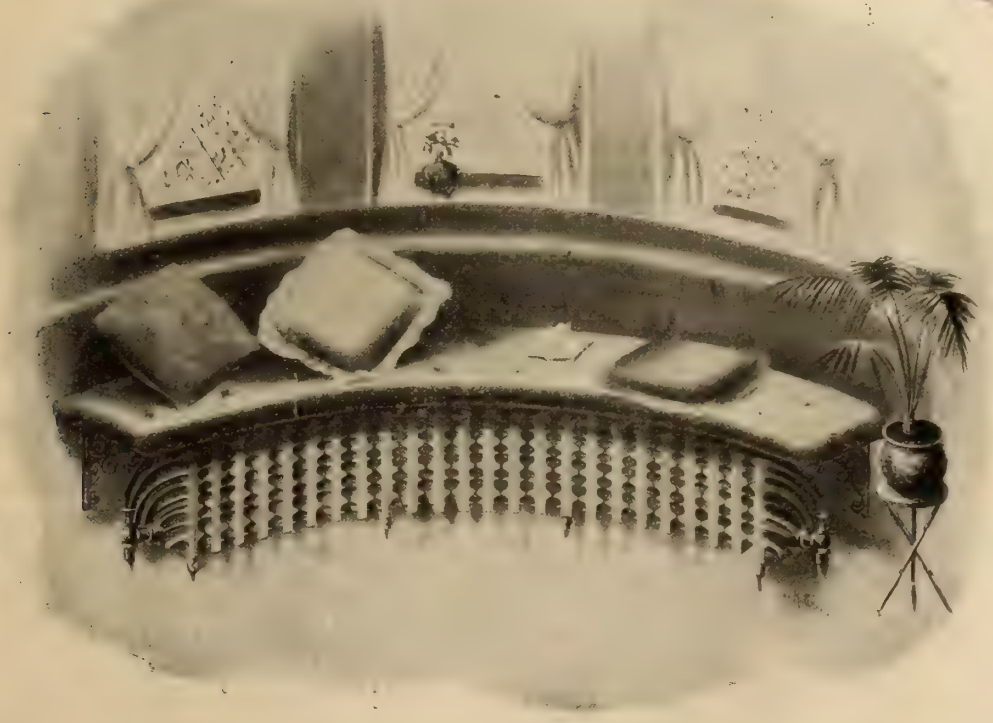
We make Attractive Fixtures in

GAS . . .
ELECTRIC
COMBINATION

Catalogues to the Trade.

The James Morrison Brass Mfg. Co., Limited
89-97 Adelaide St. West, TORONTO.

APR 9 1902 RETURNED



Why are
Canada Radiators
better than any other ?

1st—They have perfect circulation.

2nd—They work in steam and water.

3rd—They save money both in plant and fuel.

The Fairbanks Company, 747 and 749 Craig Street, Montreal
SALES AGENTS,

THE HALIFAX PLUMBING BY-LAW.

THE following is the draft of a by-law adopted by the city health board of Halifax, N. S. :

Be it enacted and ordained as follows :—

Sections 33 to 55, both inclusive, of the Rules of the city board of health as amended, are hereby repealed and the following substituted therefor :

33. A board of plumbing examiners is hereby constituted, to consist of the city engineer and the city inspector of plumbing. The board shall be called together by the city engineer (who shall be chairman of the board) at such times as the board of health may direct.

34. No person shall carry on the business of plumbing in the city of Halifax unless he is duly licensed to carry on the same, and is registered as such in the office of the board of works for said city, and the person obtaining such license shall pay for said license to the board of works the sum of $10.

35. To entitle any person to a license under the next preceding section, he shall be of the full age of 21 years, and have a place of business as a plumber in the city of Halifax ; and shall agree as a condition of obtaining said license to carry on said business in compliance with all rules and regulations now made or which may hereafter be made by the city health board, and his license, when issued, shall be kept in a conspicuous place in his place of business.

36. Every person before doing any plumbing work in the said city for or on account of himself or any licensed plumber shall be a practical and experienced plumber and furnish the board of plumbing examiners sufficient evidence that he is capable of properly doing and performing plumbing work in said city, and if the board is satisfied of his competency to perform said work, they shall cause his name to be registered in the said office of the board of works and give him a certificate of competency as a journeyman plumber, after which he shall be at liberty to do such plumbing work, but not before.

37. Every person desiring a license as a licensed plumber, or a certificate as a journeyman plumber, shall file a petition in writing with the clerk of works, giving the name of the applicant, and if the applicant is applying for a licensed plumber's licence he shall state in his petition his age and place of business in said city, and the said p tition shall be accompanied with the bond hereinafter referred to.

38. Any change in the location of the business of a licensed plumber shall be promptly reported to the said clerk of works.

39. Any journeyman plumber desiring to become a licensed plumber shall first comply with these rules and regulations as to licensed plumbers, and no journeyman plumber shall do business as a licensed plumber until he has obtained a license, notwithstanding anything in these rules and regulations.

40. Any journeyman plumber who furnishes satisfactory evidence to the board of plumbing examiners that he has carried on the business as a practical and experienced journeyman plumber in the city of Halifax for not less than 4 years next previous to November 29, 1897, shall be entitled to receive registration without examination.

41. All licensed plumbers shall be held responsible for all acts of their employes for work done in connection with their plumbing business in respect to which such license is granted.

42. Every licensed plumber shall on the first day of every month report to the city engineer, upon printed forms to be supplied at the city engineer's office, the number, nature and extent of all new plumbing fixtures placed by him or his journeyman plumber in any building in said city, but they shall not be required to make returns of any old fixtures renewed, except water closets and urinals.

43. Every licensed plumber shall only employ certificated journeymen plumbers to do said plumbing work, but said work may be done and performed by any practical plumber under the guidance and direction of a certificated journeyman plumber then present directing the work.

44. Every plumber, before obtaining a license, shall file a bond with the clerk of works in the penal sum of $200 conditioned for the faithful performance of his duty as a licensed plumber and for his not permitting or allowing any plumbing work that he may be called upon to do to be performed by any person in his employ except by such persons as may be authorized to do plumbing work under these rules and regulations, and for his not violating any of the terms and conditions of said rules and regulations or any other rules or regulations in force in the city respecting plumbing, drainage, sanitary matters and the city waterworks.

45. No person shall carry on business in the said city as a licensed plumber unless he is the holder of the license herein mentioned, nor shall any journeyman plumber do or perform any plumbing work until he has obtained his certificate under these rules and regulations.

46. No person shall be allowed, without having first obtained a permit from the city engineer, to open or shut off the street stopcock connected with the service supplying any premises or buildings, unless in case of urgent necessity to prevent loss or damage from flooding, and shall in every such case leave the stopcock as he found the same, and any person who shall commit any damage or injury to any stopcock in the service pipes of the department shall be liable for the amount of any such damage, in addition to any penalty imposed for the violation of these rules.

47. When any old fixture or plumbing requires renewal the work shall be done in accordance with these rules and regulations, as far as they apply, but it shall not be necessary to take out any old work which, in the opinion of the plumbing inspector, is in good sanitary condition. In every case where in the opinion of the city engineer and plumbing inspector the enforcement of any rule or rules respecting plumbing is impracticable or inadvisable, they shall have power to modify or suspend any such rule or rules to meet the exigencies of the particular case.

48. The city engineer, the foreman of waterworks, or any inspector appointed for that purpose, shall have the right at proper hours of the day, and upon reasonable notice given and request made upon the owners, to enter upon and have free access to all parts of any building in the city of Halifax, in which water from the city waterworks is delivered or consumed.

49. The city health board shall have the power at any time to cancel any plumber's license or any journeyman plumber's certificate for cause, and thereupon all rights of said licensed plumber or journeyman plumber to do any plumbing work under these rules or regulations shall cease and determine.

50. The license to licensed plumbers shall expire on the 31st day of December in each and every year, but they may be renewed by the city board of health on the recommendation of the board of plumbing examiners, and the licensed plumber shall pay one dollar ($1) for each and every renewal.

51. The city health board shall from time to time, as occasion may require on the nomination of the city engineer, appoint such inspectors of plumbing as may be found necessary, but no person shall be eligible for such appointment who has not passed a satisfactory examination for proficiency in both practice and theory of plumbing and drainage before the board of plumbing examiners.

52. Such inspector or inspectors shall be under the supervision of the city engineer, and shall be attached to the office of the said city engineer, and shall be paid such salary as the city council determines.

53. All work contemplated in these regulations shall be done by a certificated journeyman plumber in the employ of such licensed plumber, or as provided in rule 43, and shall be subject to the inspection, supervision and approval of the city engineer or of an inspector appointed by the city health board for that purpose, and all faulty or defective work which is at any time discovered shall be made satisfactory to the said engineer or inspector, as the case may be, and when found satisfactory the certificate shall issue to the plumber at the expiration of thirty (30) days from date of inspection, unless in the meantime such work has become faulty or defective.

54 Hereafter no person or member of any company or employe or apprentice of such person or company shall do or perform any work authorized by these rules, nor shall any such person or member of any corporation direct or instruct any employe or apprentice to do or perform any such work until the owner or his agent shall have first obtained the permit and filed the plan and specfication mentioned in rules 27 to 31, both inclusive, of the rules hereby amended.

55. Every person violating any of these rules and regulations of the board of health shall be liable to a penalty of not less than five ($5) dollars, nor more than eighty ($80) dollars for each offence on summary conviction before the stipendiary magistrate, and, in default of payment, to imprisonment in the city prision for a term not exceeding ninety (90) days.

BOOK-KEEPING BY HYPOTHESIS.

There was once, according to an exchange, an aged merchant of Ohio who carried the accounts of the day in his head, and just before going home, would sit down and enter his charges and credits. One evening he remembered very well that a customer named Fuller had asked about a hammer, but could not be sure whether he had bought one. The merchant scratched his head and figured over it a long time, and then, to make no mistake, evolved the following original specimen of bookkeeping :

John Fuller, one hammer ..... 75c.
(Maybe perhaps, and maybe perhaps not).

ORIGINALITY.

Originality is one of the qualifications necessary to ultimate success, This is especially true in the advertising world. Originality is a broad term, and it can be brought into profitable play in an almost unlimited field and in diversified forms.

In advertising this quality is made apparent in different ways, bringing into play the products of thousands of brains, each brain having a kink therein different from all others. Originality is simply a brain kink.—Business.

Some Horse Nail Pointers:

The "C" brand Horse Nails are not the lowest priced, but they are the cheapest—that is if you will take quality, pattern and durability into consideration. It is an accepted truth which has found expression in the saying "the best are the cheapest." To assert that the "C" brand Nails are the best is only to repeat the experience of the hardware trade and farriers who have bought and used them for the past thirty-seven years. They are the standard Horse Nails of Canada, because they are the best. **No other Horse Nails made in Canada have ever been sold at a better price than the "C" brand. Why?** Because there were none better. If you want the best article, either Horse Nails or anything else, you have to pay a price corresponding to its value. The best cost the most to produce. Our "C" brand costs more to make, because we do not admit anything of a cheap nature into their composition, or the process of manufacture. The best material that is known or used in the world for the manufacture of Horse Nails forms the basis of the "C" brand. The "hot-forged" hammered process is the only one we use, because it thoroughly hammers a Nail from the solid rod or bar of Swedish charcoal-toughened steel, which we use exclusively, and is made specially for our works in Canada.

If other brands were sold at even seventy-five cents a box lower than our "C" brand, **it would only reduce the cost of the 32 nails used in shoeing a horse—one cent.** There is no economy in using cheap Nails. Order the "C" brand and satisfy yourselves and your customers.

All the leading wholesale firms in Canada have them for sale or will obtain them for you; if not, send your orders direct.

Canada Horse Nail Company

MONTREAL.

ANOTHER RAILWAY PROJECT.

A SCHEME is on foot to construct a trans-continental railway from Quebec to Port Simpson, on the Pacific Coast. To make the first move in this gigantic undertaking a meeting of a number of Quebec Province's representative commercial men was held on March 5 at Quebec. Among those present were Geo. Tanguay, President of the Quebec Board of Trade, in the chair; J. G. Scott, V. Chateauvert, J. T. Ross, C. Baillairge, W. A. Marsh, F. Billingsley, E. Beaudet, W. Shaw, A. E. Doucet, H. O'Sullivan, Alex. Hardy, Quebec; Lieut.-Col. B. A. Scott, Roberval; J. D. Guay, Mayor of Chicoutimi; A. E. Vallerand, Cyrille Tessier.

The company was incorporated by the Dominion Parliament in 1895, and is known as The Trans-Canada Railway Co. Its charter was amended in 1897, when it was capitalized at $20,000,000. The incorporators were a number of railroad capitalists in London, Eng., and Ottawa, Canada, but since then they have associated with themselves a number of railroad magnates from Quebec, Montreal, Chicoutimi, Lake St. John, Boston and New York. The Quebec men have the control of the concern.

Plans and profiles of the first 60 miles of the road were submitted by the company's engineers, Messrs. Doucet and H. O'Sullivan, besides a map of the route the line would follow across the continent. The road is to be divided into four sections. These are as follows: The first, from Quebec to James' Bay, via Roberval; the second, from James' Bay to Norway House, at the north end of Lake Winnipeg; the third, to Peace River Pass, in the Rockies; and the fourth, from the summit to Port Simpson, the best Canadian harbor on the Pacific Coast.

The advantages claimed for this route are that it is about 300 miles shorter than the C.P.R. from the Atlantic to the Pacific; 600 miles shorter than Mackenzie & Mann's proposed line, and 700 miles shorter to Japan and China than the C.P.R. The point at which it will cross the Rockies is less than half the elevation of the C.P.R.

The Dominion Parliament has given this undertaking its support by voting a subsidy to the first 60 miles of the road, from Roberval westward. This section is to be placed under contract immediately.

The financial statement of the company was read by the chairman, the stock book was reopened for the subscription of shares, and the company was duly organized.

Charles Rousseau, general merchant, Cedar Hill, Que., has assigned, and a meeting of his creditors has been called for March 12 to appoint a curator.

"Lay On Macduff"

All admire the thrifty appearance of a well-kept house, barn or outbuilding, and it is safe to say that this is largely obtained by the abundant use of paint — good paint. With the advent of better times we are entering upon the greatest painting season than has ever been experienced. It has become the fashion, almost a craze, to paint, stain and kalsomine. From a hygienic point of view, as well as the knowledge that the value of all buildings is enhanced by the plentiful application of genuine paint, this is a good sign and house-owners should take a day off immediately and "lay on" the brush. The brush should be well charged with first-class stock, such as is made exclusively by the **CANADA PAINT COMPANY, Limited, of MONTREAL and TORONTO.** They assist in making painting a veritable pleasure. Their well-known brands of Mixed Paints, Stains, Enamels, Wagon Paints and Varnishes are put up in a handy form ready for use, and any dealer who desires to extend his business should get in touch with the **CANADA PAINT COMPANY,** who are by far the most extensive manufacturers of painting materials in Canada.

BRITISH COLUMBIA ASSOCIATED BOARDS OF TRADE.

THE Associated Boards of Trade of Eastern British Columbia held their fourth annual meeting at Kaslo, B.C., on February 28, when some important resolutions were passed. Twenty-eight delegates were present from Nelson, Kaslo, Fernie, Trail, Rossland and other centres. President C. Scott Galloway was in the chair.

In his address, Mr. Galloway dwelt on the allotting of a seat in the Laurier Cabinet to a British Columbian, the Hon. Mr. Templeman; the obtaining of a bonus for the refining of lead ores in the Slocan from the Dominion Government by the Mine Owners' Association, and the appointment of a British Columbian representative in London, Eng., to keep before the British capitalists the boundless opportunities afforded by the Pacific Province for profitable investment. He also touched on the necessity of increased railway facilities for the development of British Columbia, and urged the appointment of a delegation to request the Provincial Government to remove the obstructions at present placed on railway construction in the Province. This would enable capitalists and others to have a free hand in the opening up of new districts with their railroads or the paralleling of existing lines.

Several important resolutions were passed. Probably the most noteworthy is the one asking the Dominion Government to so adjust the duties on lead products as to encourage the manufacture of white leads and lead products in the Dominion, thus enlarging the home market for Canadian lead. This resolution will be placed before the Ottawa House by G. O. Buchanan, W. H. Aldridge and James Cronin.

A resolution was passed regarding the bounty of $5 per ton on pig-lead produced in Canada, asking that the Dominion Government be requested to modify this bounty for the first year, so that the full amount, amounting to $100,000, be distributed, providing 15,000 tons of pig-lead be produced during the first year; should there be less than 15,000 tons produced during such year, then the rate allowed during the first year to be $7 per ton, instead of $5, as at present, provided furthermore, that the bounty for each of the succeeding years shall be at the rate of $5 per ton, but such bounty not to exceed $100,000 per year, as at present.

Resolutions also were passed asking that timber rangers be appointed by the Provincial Government to assist in the prevention of bush fires; that the Dominion Government pass a general railway Act on the lines of the present Provincial Tram Act, and that the Rossland riding be cut in two so that the Boundary District might have a representative of its own in the present Provincial Legislature.

The secretary-treasurer's report showed a balance of $40.47 in the treasury.

NOVA SCOTIA TOURIST ASSOCIATION.

The annual meeting of the Nova Scotia Tourist Association was held at the Board of Trade Rooms, Halifax, last week, when the following executive was elected: G. S. Campbell, G. E. Faulkner, I. C. Stewart, F. G. J. Comeau, F. S. West, H. L. Chipman, W. E. Hebb, C. R. Hoben, W. E. Thompson, Ald. MacIlreith, Alex. McNeil, LL.B., A. F. Macdonald, W. R. McCurdy, T. J. Egan, J. W. Vidito, F. P. Hayden, J. Frank Colwell.

The annual report reviewed the history of the Association since its formation in 1898, and then went on to describe last year's work. They had distributed 20,000 copies of their booklet in 1901, and every Monday morning had issued a small leaflet entitled, "What is going on in Halifax." The report dealt with the methods of advertising Halifax at the Pan-American Exposition, the organization of various other associations throughout the Province, the establishment of the Bureau of Information and the Lodging Bureau at Halifax, the illustrated lectures about that city, and the visit of the Canadian Press Association.

The financial report of the Association showed a balance of $169 97 in the treasury.

INQUIRIES ABOUT CANADIAN GOODS.

The following were among the recent inquiries relating to Canadian trade received at the Canadian Government office in London:

1. A firm in the eastern counties importing roofing shingles desire to get into communication with Canadian houses shipping these goods. Size 18 x 4 inches, with rounded corners at one end, to be packed very closely for shipment.

2. A firm of brushmakers (tooth, nail and shaving) desires to be furnished with the names of large buyers of these commodities in Canada, and are also open to appoint agents in the Dominion.

3. A London firm of timber brokers are desirous of being placed in communication with some leading exporters in Canada.

4. A well-known bottling firm who only put up high-class beers for export are desirous of extending their trade with Canada, and will be open to appoint agents.

5. An important firm of wholesale and export druggists are seeking openings for an extension of their business with Canada in chemicals, drugs, tinctures, fruit essences, sundries, and surgical instruments.

6. A military and general saddlery firm are contemplating an export business with Canada, and make inquiry respecting a possible market for the goods they manufacture.

7. An importer and broker asks for names of exporters of oatmeal, farina, peas, etc., in Canada.

8. An important firm of carriage builders are prepared to accept agencies for Canadian carriage makers and to arrange for the display of such Canadian goods at some of the leading exhibitions in the United Kingdom.

9. Inquiry is made for the addresses in Canada of lumber firms making egg cases for export, in stock; also for names of makers of fillers for egg cases.

10. A person with experience in the line wishes to take up the representation in the United Kingdom of Canadian houses shipping whitewood picture frame mouldings and other similar wood goods.

[The names of the firms making the above inquiries can be obtained on application to the editor of HARDWARE AND METAL]

APOLLO BEST BLOOM
GALVANIZED IRON

Galvanized iron ought to be soft flat uniform true to gauge.

Apollo is guaranteed to be so.

American Sheet Steel Company, New York

Representatives for Canada
B. & S. H. Thompson & Company
26 Sulpice Street
Montreal

SOMETHING NEW

Caldwell Lightning Auger Bits.



Patented May 21, 1901.

This bit will bore two holes in less time than it takes to bore one with any other bit.

AGENTS:

Caverhill, Learmont & Co., - - - Montreal.
Wood, Vallance & Co., - - - - Hamilton.
Geo. D. Wood & Co., - - - - Winnipeg.

CURRENT MARKET QUOTATIONS.

March 14, 1902.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag and Straits—56 and 28 lb. ingots, 100 lb.	29 00	30 00

Tinplates.

Charcoal Plates—Bright		
M.L.S., equal to Bradley		Per box
I.C., usual zes	....	$6 75
I.X., "	....	8 25
I.X.X., "	....	9 75
Famous—		
I.C.	....	6 75
I.X	....	8 25
I.X.X	....	9 75
Raven & Vulture Grades—		
I.C., usual sizes	....	5 00
I.X., "	....	6 00
I.X.X "	....	7 00
I.XXX., "	....	8 00
D.C., 12½x17	....	4 50
D.X	....	5 25
D.X.X	....	6 00
Coke Plates—Bright		
Bessemer Steel—		
I.C., usual sizes	....	4 25
I.C., special sizes, base	....	4 75
20 x 28	....	9 00
Charcoal Plates—Terne		
Dean or J. G. Grade—		
I.C., 20x28, 112 sheets	....	8 50
I.X., Terne Tin	....	10 50
Charcoal Tin Boiler Plates		
Cookley Grade—		Per lb.
X X., 14x56, 50 sheets bxs	....	0 06½
" 14x60, "		
" 14x65, "		
Tinned Sheets		
72x30 up to 24 gauge	....	0 07½
" 26 "	....	0 08

Iron and Steel.

Common Bar, per 100 lbs	1 95	2 05
Refined " "	....	2 45
Horse Shoe Iron "	....	2 40
Hoop steel, 1½ to 3 in. base,	....	2 90
Sleigh Shoe Steel " base	....	2 10
Tire Steel	2 30	2 50
Reeled Machinery	....	3 00
Toe Calk Steel	2 85	3 00
T. Firth & Co's tool steel, per lb	0 12½	0 13
Jessop's tool Steel	....	0 14
Morton's tool steel	0 12½	0 13
Black Diamond and "B.C," tool steel	0 10	0 11
Chas. Leonard's tool steel	0 08	0 09
Drill Steel, per lb	0 08	0 10

Boiler Tubes.

1½-inch	....	0 12½
"	....	0 13
2½ "	....	0 15
3 "	....	0 16
3½ "	....	0 20
4 "	....	0 25

Steel Boiler Plate.

¼ inch	2 50	2 60
9-16 inch	2 60	2 70
⅝ inch and thicker	2 50	2 60

Black Sheets.

	Com.	D.Fl.
18 gauge	2 85	3 00
20 gauge	2 85	3 00
22 to 24 "	2 95	3 25
26 "	3 05	3 50
28 "	3 15	....

Canada Plates.

All dull, 52 sheets	....	3 00
Half polished	....	3 10
All bright	....	3 75

Iron Pipe.

Black pipe—	Per 100 Feet.
⅛ inch	4 65
¼ "	3 40
⅜ "	3 45
½ "	3 70
¾ "	3 85
1 "	5 40
1¼ "	7 70
1½ "	9 20
2 "	12 50
2½ "	24 00
3 "	28 00
3½ "	36 00
4 "	43 00
4½ "	50 00
5 "	57 00
6 "	73 00
Galvanized pipe—	
⅛ inch	5 15
¾ "	5 50
1 "	7 95
1¼ "	10 80
1½ "	12 95
2 "	17 35

5 p. c. off to preferred buyers.

Galvanized Sheets.

	G C. Comet.	Amer.	Queen's Head.
16 gauge	....	....	....
18 to 24 gauge	4 05 3 75	....	4 05
26 "	4 25 4 00	....	4 25
28 "	4 50 4 25	....	4 50

Less than case lots 10 to 15c. extra.
28 gauge American equals 26 gauge English.

Chain.

Proof Coil, 3-16 in., per 100 lb			....	....
" ¼ "	"	7 85	8 10
" 5-16 "	"	4 95	5 25
" ⅜ "	"	4 35	4 60
" 7-16 "	"	4 15	4 40
" ½ "	"	4 00	4 25
" 9-16 "	"	3 90	4 15
" ⅝ "	"	3 80	4 05
" ¾ "	"	3 85	4 10

Halter kennel and post chains, 40 to 40 and 5 p.c.
Cow ties ..... 40 p.c.
Tie-out chains ..... 65 p.c.
Stall fixtures ..... 35 p.c.
Trace chain ..... 45 p.c.
Jack chain, iron, single and double, discount 35 p c.
Jack chain, brass, single and double, dis count 40 p.c.

Copper.

	Ingot	Per 100 lb.
English B.S., ton lots	....	15 00
Lake Superior	....	....

Bars.

Cut lengths round, ½ to ⅞ in.	23 00	25 00
" round and square 1 to 2 inches	23 00	25 00

Sheet.

Plain, 14 oz., and light, 16 oz., 14x48 and 14x60	22 00	22 50
Plain, 14 oz., and light, 16 oz., irregular sizes	22 50	23 00
Tinned copper sheets	....	24 00
Planished	....	32 00

Braziers (In sheets.)

4x6ft. 25 to 30 lbs. ea., per lb.	....	0 23
" 35 to 45 " "	....	0 22
" 50-lb. and above, "	....	0 21
Boiler and T. K. Pitts		
Plain Tinned, per lb	....	0 28
Spun, per lb	....	0 32

Copper Ware.

Discount, 50 per cent.

Brass.

Rod and Sheet, 14 to 30 gauge, 15 per cent.

Sheets, hard-rolled, 2x4	....	0 23
Tubing, base per lb	....	0 23½

Zinc Spelter

Foreign, per lb	5 50	6 00
Domestic "	...	. .

Zinc Sheet.

5-cwt. casks	6 00	6 25
Part casks	6 25	6 50

Lead.

Impor Pig, per 100 lb	3 50	3 75
Bar, 1 b	....	0 05
Sheets, 2½ lbs. sq. ft., by	....	0 06¼
Sheets, 3 to 6 lbs., "	....	0 06

NOTE.—Cut sheets ½ cent per lb. extra.
Pipe, by the roll, usual weights per yard, lists at 7c. per lb. and 35 p.c. dis. f.o.b. Toronto.
NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths lists at 7½ cents.

Shot.

Common, $6.50 per 100 lb.; chilled, $7.00 per 100 lb.; buck, seal and ball, $7.50. Discount, 22½ p.c. Prices are f.o.b. Toronto, Hamilton, Montreal, St. John and Halifax. Terms 3 per cent. cash, freights equalized.

Soil Pipe and Fittings.

Discount, 60 and 10 per cent. on medium and extra heavy, and 60 per cent. on light.

Solder.

	Per lb.	Per lb.
Bar half-and-half, guarant'd	....	0 19
Bar half-and-half, commer'l	....	0 18½
Refined	....	0 18
Wiping	....	0 17½

Antimony.

Cookson's, per lb	....	0 10

White Lead.

	Per 100 lb.
Pure	5 87½
No. 1	5 50
No. 2	5 12½
No. 3	4 75
No. 4	4 37½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B B. Genuine	7 00
" " No. 1	6 00

Red Lead.

Genuine, 560 lb. casks, per cwt.	$4 75
Genuine, 100 lb. kegs, per cwt.	5 00
No. 1, 560 lb. casks, per cwt.	4 25
No. 1, lb. kegs, per cwt	4 50

White Zinc.

Extra Red Seal	0 06	0 08
No. 1	0 05½	0 07
No. 2	0 05	0 06

Dry White Lead.

Pure, casks	5 25
Pure, kegs	5 50
No. 1, casks	5 00
No. 1, kegs	5 25

Prepared Paints

In ¼, ½ and 1 gallon tins.

Pure, per gallon	....	1 25
Second qualities, per gallon	....	1 10
Barn (in bbls.)	0 60	0 90
The Sherwin-Williams Paints	....	1 40
Canada Paint Co's Pure	....	1 25
Toronto Lead & Color Co's Pure	....	1 25
Sanderson Pearcy's Pure	....	1 20
Stewart & Wood's Champion Pure		1 20

Colors in Oil.

25 lb. tins, Standard Quality.

Venetian Red, per lb	0 04½	0 06
Chrome Yellow	0 12	0 14
Golden Ochre	0 08	0 10
French "	....	0 06
Marine Black	....	0 09
Chrome Green	....	0 10
French Imperial Green	....	0 12
Sign Writers' Black	....	0 16
Burnt Umber	....	0 11
" Sienna	....	0 11
Raw Umber	....	0 11
" Sienna	....	0 11

Colors, Dry.

Common Ochre bbls	1 20	1 30
Yellow Ochre J.F.L.S., bbls	...	2 00
Yellow Ochre (La Belle)	1 15	1 25
Brussels Ochre	....	2 00
Venetian Red (best), bbl	1 75	2 00
English Oxides, per cwt	3 00	3 25
American Oxides, bbls	1 25	2 00
Canadian Oxides, 1 bls	1 25	1 75
Super Magnetic Oxides, 93p.c.	2 00	2 25
Burnt Sienna, pure, per lb	....	0 10
" Umber, " "	....	0 10
Raw do	....	0 09
Drop Black, pure	....	0 09
Chrome Yellows, pure	....	0 18
Chrome Greens, pure, per lb.	0 09	0 10
Golden Ochre	0 04	0 05
Ultramarine Blue in 28-lb. boxes, per lb	0 06	0 18
Fire Proof Mineral, per 100 lb	....	1 00
Genuine Eng. Litharge, per lb	....	0 07
Mortar Color, per 100 lb	1 25	1 50
Pure Indian Red, No. 45 lb.	0 08	0 10
Whiting, bbl	0 55	0 60
English Vermillion in 30-lb. bags		0 95

Paris Green.

	per lb.
Petroleum Casks	.....
Arsenic Kegs	....
50-lb. and 100-lb. drums	.....
25-lb. drums	...
1-lb packages	.....
½-lb. do	.....
1-lb. tins	.....
½-lb do	....

F. O. B. Toronto. Terms—3 p. c. off 30 days, or 4 mos. from date of delivery.

Blue Stone.

Casks, for spraying, per lb	0 07
100-lb. lots, do. per lb	0 08

Putty.

Bulk in bbls.	1 90
Bulk in less quantity	2 05
Bladders in bbls	2 25
Bladders in kegs, boxes or loose	2 40
Bladders in 25-lb. tins	2 35
Bladders in 12½-lb. tins	2 65
Bladders in bulk or tins less than 100 lb	2 90

Varnishes.

In 5-gal. lots.	Per gal.	net.
Carriage, No. 1	1 50	1 60
Pale Durable body	4 10	4 25
" rubbing	2 85	3 00
Gold Size, Japan	2 85	3 00
No. 1 Brown Japan	...	0 85
Elastic Oak	....	1 50
Furniture, extra	....	1 25
" No. 1	....	0 85
Hard Oil Finish	1 65	1 75
Light Oil Finish	1 40	1 60
Demar	1 70	1 80
Shellac, white	2 30	2 45
" orange	2 25	2 35
Turpentine Brown Japan	....	1 25
" Black Japan	0 85	0 90
" " No. 1	0 70	0 75

Elastilite Varnish 1 gal. can, each, $3 00.
Granitine Floor Finish per gal., $2.75.
Maple Leaf Coach Enamels; Size 1, $1 20 Size 2, 70c.; Size 3, 40c. each.

Castor Oil.

East India, in cases, per lb	0 09½	0 10
" " small lots	0 10	0 10½

Cod Oil, Etc.

Cod Oil per gal	0 50	0 55
Pure Olive	....	1 20
" Neatsfoot	....	90

Glue.

Common	0 08½	0 09
French Medal	0 14	0 15½
Cabinet sheet	0 12	0 13
White, extra	0 18	0 20
Gelatine	0 22	0 30
Strip	0 18	0 20
Coopers	0 19	0 20
Huttner	....	0 18

THOS. GOLDSWORTHY & SONS

MANCHESTER, ENGLAND.

EMERY { Cloth / Corn / Flour

We carry all numbers of Corn and Flour Emery in 10-pound packages, from 8 to 140, in stock. Emery Cloth, Nos. OO., O., F., FF., 1 to 3.

JAMES HUTTON & CO., Wholesale Agents for Canada, **Montreal.**

HARDWARE.

Ammunition.

Cartridges.

B. B Caps Dom. 50 and 5 per cent.
Rim Fire Pistol, dis. 40 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Central Fire Pistol and Rifle, 10 p.c. Amer.
Central Fire Cartridges, pistol sizes Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 per cent.
Central Fire, Military and Sporting, Amer. add 5 p.c. to list. B.B. Caps, discount 40 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 10 p.c. advance on list.
Brass Shot Shells, 55 per cent.
Primers, Dom., 30 per cent.; American, $1.60.

Wads	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb. bags	70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	
Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 20 per cent.

Anvils.

Wright's, 80-lb. and over	....	0 10¾
Hay Budden, 80-lb. and over	....	0 09¼
Brook's, " " "	....	0 11¼

Augers.

Gilmour's, discount 65 and 5 p.c. off list.

Axes.

Chopping Axes		
Single bit, per doz	5 50	10 00
Double bit, "	11 00	18 00
Bench Axes, 40 p.c.		
Broad Axes, 25 per cent.		
Hunters' Axes	5 50	6 00
Boy's Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Axle Grease.

Ordinary, per gross	5 75	6 00
Best quality	13 00	15 00

Bath Tubs.

Zinc	6 00
Copper, discount 15 p.c. off revised list	

Baths.

Standard Enameled.

5½-inch rolled rim, 1st quality	25 00
" " " 2nd "	21 00

Anti-Friction Metal.

"Tandem" A. per lb.	0 27
" B. "	0 21
" C. "	0 11½
Magnolia Anti-Friction Metal, per lb.	0 25
Frictionless metal, per lb	0 23

SYRACUSE SMELTING WORKS.

Aluminum, genuine	0 41
Dynamo	0 27
Special	0 22
Aluminum, 99 p.c. pure "Syracuse"	0 45

Bells.

Hand

Brass, 60 per cent.
Nickel, 55 per cent

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Door.

Gongs, Sargant's	5 50	8 00
" Peterboro', discount 45 per cent		

Farm.

American, each	1 25	3 00

House.

American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00
Blacksmiths', discount 40 per cent.		

Belting.

Extra, 60 per cent.
Standard, 60 and 10 per cent.
No. 1, not wider than 6 in., 60 10 and 10 p.c.
Agricultural, not wider than 4 in., 75 p.c.

Bits.

Auger.

Gilmour's, discount 60 and 5 per cent.
Rockford, 50 and 10 per cent.
Jennings' Gen., net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind and Bed Staples.

All sizes, per lb	0 07¾ 0 12

Bolts and Nuts.

	Per cent.
Carriage Bolts, common ($1 list)	55
" " full square ($2.40 list)	55
" " Norway iron ($3 list)	50
Machine Bolts, all sizes	50 and 5
Plough Bolts	50 and 5
Blank Bolts	50 and 5
Bolt Ends	50 and 5
Sleigh Shoe Bolts	65 and 5
Coach Screws, cone point	66⅔
Nuts, square, all sizes, 3½c. per lb. off.	
Nuts, hexagon, all sizes, 3¾c. per lb. off.	
Stove rods, per lb. 5½ to 6c.	
Nuts, in 50 lb. lots ¼c. per lb extra, in less than 50 lb lots, ½c. extra.	

Boot Calks.

Small and medium, ball, per M	4 25
Small heel, per M	4 50

Bright Wire Goods.

Discount	62½ per cent

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dls., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent

Henis, No. 8		6 00
Henis, No. 9,		7 00
Queen City	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Butcher Knives.

Bailey's, per doz	0 60	6 30

Building Paper, Etc.

Tarred felt, per 100 lb	1 70
Ready roofing, 2-ply, not under 45 lb. per roll	85
Ready roofing, 3-ply, not under 65 lb. per roll	1 10
Carpet felt, per ton	45 00
Dry sheathing, per roll, 400 sq. ft	30
Tar sheathing, " " "	40
Dry fibre " " "	50
Tarred fibre, " " "	60
O.K. & I.X.L., " " "	65
Resin-sized, " " "	40
Oiled sheathing, " 600 "	1 10
" " " 400 "	70
Roof coating, in barrels, per gal	17
" " small packages	25
Refined tar, per barrel	4 50
Coal tar, "	4 00
Coal tar, less than barrels, per gal	15
Roofing pitch, per 100 lb	85

Bull Rings.

Copper, $2.00 for 2½ in. and $1.90 for 2 in.

Butts.

Wrought Brass net revised list.

Cast Iron.

Loose Pin, dis., 60 per cent.

Wrought Steel

Fast Joint, dis. 65, 10 and 2½ per cent.
Loose Pin, dis. 65, 10 and 2½ per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.

Gen. Bronzed, per pair	0 40	0 65

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	....

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	8 50	9 50

Cement.

Canadian Portland	1 90	2 75
English "	3 00	3 15
Belgian "	2 50	2 75
Canadian hydraulic	1 25	1 50

Chalk.

Carpenters Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 70 per cent.
Warnock's, dis. 70 per cent.
P. S. & W. Extra 60, 10 and 5 p.c.

Churns.

Revolving Churns, metal frames—No. 0, $8—No. 1, $8.50—No. 2, $9.00—No. 3, $10.00—No. 4, $12.00—No. 5, $16.00 each. Ditto, wood frames—20c. each less than above.
Discounts: Delivered from factories, 56 p.c.; from stock in Montreal, 54 p.c.
Terms, 4 months or 3 p.c. cash in 30 days

Clips.

Axle dis. 65 per cent.

Closets.	Net.
Plain York or Ontario Syphon Jet.	$9 60
Emb. York or Ontario Syphon Jet.	10 20
Fittings	1 00
Plain Elgin or Teu. Syphon Washout	6 00
Emb. Elgin or Teu. Syphon Washout	6 60
Fittings	1 25
Low Down Elgin or Teutonic, plain	9 60
" " " " emb.	10 20
Plain Richelieu	4 00
Emb. Richelieu	4 25
Connections	1 25
Low Down Ont. Sy. Jet, plain	11 70
" " " " " emb'd.	12 30
Closet connection	1 25
Basins P.O., 14 in.	0 70
" oval, 17 x 14 in.	1 50
" " 19 x 15 in.	2 25

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Conductor Pipe.

Plain or Corrugated.

2-inch, per 100 feet	3 00
3 " " "	4 00
4 " " "	5 25
5 " " "	6 75
6 " " "	9 00

Cradles, Grain.

Canadian, dis. 25 to 33⅓ per cent.

Crosscut Saw Handles.

S. & D., No. 3, per pair	17½
" " 5, "	22½
" 6, "	15
Boynto pattern "	20

Door Springs.

Torrey's Rod, per doz	(15 p.c.)	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Coach and Wagon, dis. 50 and 10 per cent
Carpenters, dis. 70 per cent.

Drills.

Hand and Breast

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis., 37½ to 40 per cent.
Standard dis. 50 and 5 to 55 per cent.

Faucets.

Common, cork-lined, dis. 35 per cent.

ELBOWS. (Stovepipe.)	per doz.
5 and 6-inch, common	1 20
7-inch	1 35

Polished, 15c. per doz. extra.

ESCUTCHEONS.

Discount, 45 per cent.

ESCUTCHEON PINS.

Iron, discount 40 per cent.

FACTORY MILK CANS.

Discount off revised list, 40 per cent.

FILES AND RASPS.

Great Western	70 and 10 per cent.
Arcade	70 " 10 "
Kearney & Foot	70 " 10 "
Disston's	70 " 10 "
American	70 " 10 "
J. Barton Smith	70 " 10 "
McClellan	70 " 10 "
Eagle	70 " 10 "
Nicholson, 60 and 10 to 60, 10 and 5	"
Royal	80 "
Globe	70 to 75 "

Black Diamond, 60 and 10 to 60, 10 and 5 p.c.
Jowitt's, English list, 25 to 27½ per cent.
Nicholson File Co.'s "Simplicity" file handle per gross, 85c. to $1.50.

GLASS—Window—Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	D. Diamond Per 50 ft.	D. Diamond Per 100 ft.
Under 26	2 20	4 25	....	6 25
26 to 40	2 40	4 65	....	6 75
41 to 50	....	5 10	....	7 50
51 to 60	....	5 35	....	8 50
61 to 70	....	5 75	....	9 75
71 to 80	....	6 25	....	11 00
81 to 85	....	7 00	....	12 55
86 to 90	....	7 75	..	15 00
91 to 95	..	....	..	17 50
96 to 100	.. ..	....	....	20 50
101 to 105	....	....	....	24 00
106 to 110	....	....	....	27 50

GAUGES

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's, Nos. 26 to 33, each	1 65	2 40

HALTERS.

Rope, ⅜ per gross	....	....
" ½ "	....	9 00
" ⅝ to ¾ "	....	14 00
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

	Can.	dis.
Maydole's, dis. 5 to 10 per cent 25 to 27½ per cent.		

Tack.

Magnetic per doz	1 10	1 20

Sledge.

Canadian per lb	0 07½	0 08¾

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz. net	1 50	2 00
Store door, per doz	1 00	1 50

Fork.

C. & B., dis. 40 per cent. rev. list.

Hoe.

C. & B., dis. 40 per cent. rev. ist.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 7[illegible]

Hammer and Hatchet.

Canadian, 40 per cent.

Cross-Cut Saws.

Canadian, per pair	0 13¾

HANGERS.

	doz. pairs.	
Steel barn door	5 85	6 00
Stearns, 4 inch	....	5 00
" 5 inch	....	6 50
Lane's covered—		
No. 11, 5-ft. run	....	8 40
No. 11½, 10-ft. run	....	10 80
No. 12, 10-ft. run	....	12 60
No. 14, 15-ft. run	....	21 00
Lane's O.N.T. track, per foot	....	4½

HARVEST TOOLS

Discount, 60, 10 and 10 per cent.

HATCHETS

Canadian, dis. 40 to 42½ per cent.

Building Papers, Roofing Felts, Patent Wire Edged 2 and 3 Ply Ready Roofing.

We send out large quantities of samples and printed matter to the builders, in addition to advertising our ready roofing in the farming journals. In all cases we tell consumers they can buy our goods from their local hardware merchants. Wouldn't it be to your interest to place your orders with us?

THE PATERSON MFG. CO., Limited, TORONTO and MONTREAL.

HINGES.

Blind, Parker's, dis. 50 and 10 to 60 per cent.
Heavy T and strap, 4-in., per lb.... 0 06½
" " 5-in., " 0 06¼
" " 6-in., " 0 06
" " 8-in., " 0 05¾
" " 10-in., " 0 05½
Light T and strap, dis. 65 and 5 per cent.
Screw hook and hinge—
6 to 10 in., per 100 lbs.... .... 4 25
12 in. up, per 100 lbs..... .... 3 25
Per gro. pairs
Spring..... .... 12 00

HOES.

Garden, Mortar, etc., dis. 50 and 10p.c.
Planter, per doz..... 4 00 4 50

HOLLOW WARE

Discount,..... 45 and 5 per cent.

HOOKS.

Cast Iron.

Bird Cage, per doz.....	0 50	1 10
Clothes Line, per doz.....	0 27	0 63
Harness, per doz.....	0 72	0 88
Hat and Coat, per gross.....	1 00	3 00
Chandelier, per doz.....	0 50	1 00

Wrought Iron.
Wrought Hooks and Staples, Can. dis. 47½ per cent.

Wire.
Hat and Coat, discount 45 per cent.
Belt, per 1,000 ..... 0 60
Screw, bright, dis. 55 per cent.

HORSE NAILS.

"O" brand 50 and 7½p.c.off new list } Oval-
"M" brand 50, 10 and 5 per cent. } head
Countersunk, 60 per cent.

HORSESHOES.

F.O.B. Montreal.

Iron Shoes.	No. 2 and larger.	No. 1. and smaller.
Light, medium and heavy...	3 50	3 75
Snow shoes.....	3 75	4 00
Steel Shoes.		
Light.....	3 60	3 85
Featherweight (all sizes).....	4 85	4 85

F.O.B. Toronto, Hamilton, London and Guelph, 10c. per keg additional.
Toe weights steel shoes..... 6 70

JAPANNED WARE.

Discount, 45 and 5 p.c. off list, June 1899.

ICE PICKS.

Star per doz..... 3 00 3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.
Copper, per lb..... 0 30 0 50
American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 45 p.c.
Cabinet, trunk, and padlock, Am. per gross 60

KNOBS.

Door, japanned and N.P., per doz..... .... 1 50 2 50
Bronze, Berlin, per doz..... 2 75 3 25
Bronze Genuine, per doz.... 6 00 9 00
Shutter, porcelain, F. & L screw, per gross 1 30 4 00
White door knobs—per doz. 1 25

HAY KNIVES.

Discount, 50 and 10 per cent.

LAMP WICKS.

Discount, 60 per cent.

LANTERNS.

Cold Blast, per doz..... 7 00
No. 3 "Wright's"..... 8 50
Ordinary, with O burner..... 4 00
Dashboard, cold blast..... 9 00
No. 0..... 5 75
Japanning, 50c. per doz. extra

LEMON SQUEEZERS.

Porcelain lined, ...per doz.	2 20	5 60
Galvanized	1 87	3 85
King, wood.....	2 75	2 90
King, glass.....	4 00	4 50
All glass.....	1 20	1 30

LINES.

Fish per gross.....	1 05	2 50
Chalk "	1 90	7 40

LOCKS.

Canadian, dis. 45 p.c.
Russel & Erwin, per doz.... 3 00 3 25
Cabinet.
Eagle, dis. 30 p.c.

Padlock.

English and Am. per doz....	50	6 00
Scandinavian, "	1 00	2 40

Eagle, dis. 20 to 25 p.c.

MACHINE SCREWS. Iron and Brass.

Flat head discount 25 p.c.
Round Head discount 20 p.c.

MALLETS.

Tinsmiths' per doz.....	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz..	3 85	5 00
Caulking each.....	60	2 00

MATTOCKS.

Canadian, per doz..... 5 50 6 50

MEAT CUTTERS.

American, dis. 25 to 30 p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are;	Cut.	Wire.
2 d and 3d	$3 35	$3 55
3 d	3 00	3 22
4 and 5d..... ..	2 75	3 05
6 and 7d.....	2 65	2 80
8 and 9d.....	2 50	2 70
10 and 12d.....	2 45	2 65
16 and 20d..	2 40	2 60
30, 40, 50 and 60d. (base).....	2 35	2 55

Wire nails in carlots are $2 50
Galvanizing 2c. per lb. net extra.
Steel Cut Nails 10c. extra.
Miscellaneous wire nails, dis. 75 p.c.
Coopers' nails, dis. 30 per cent.
Flour barrel nails, dis. 25 per cent

NAIL PULLERS.

German and American..... 1 85 3 50

NAIL SETS.

Square round, and octagon per gross..... 3 38 4 00
Diamond..... 12 00 15 00

POULTRY NETTING.

2-in. Mesh, 19 w.g., dis. 60 p.c.
2-in. Mesh, 18 w.g. and heavier, 50 and 10 p.c.

OAKUM. Per 100 lb.

Navy 6 00
U.S. Navy..... ..... 7 25

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal. per doz..... .... 10 00
Zinc and tin, dis. 50, 50 and 10.
Copper, per doz..... 1 25 3 50
Brass, " 1 50 3 50
Malleable, dis. 25 per cent.

GALVANIZED PAILS.

Dufferin pattern pails, dis. 45 p.c.
Flaring pattern, discount 45 per cent.
Galvanized washtubs discount 45 per cent.

PIECED WARE.

Discount 40 per cent. off list, June, 1899.
10-qt. flaring sap buckets, dis. 40 p.c.
6, 10 and 14-qt. flaring pails, dis. 40 p.c.
Creamer cans, dis. 40 p.c.

PICKS.

Per doz..... 6 00 9 00

PICTURE NAILS.

Porcelain head, per gross...	1 75	3 00
Brass head " ...	0 40	1 00

PICTURE WIRE.

Tin and gilt, discount 75 p.c.

PINE TAR.

½ pint in tins, per gross.....	7 80
1 " " "	9 60

PLANES.

Wood, bench, Canadian dis. 40 per cent. American dis. 50.
Wood, fancy Canadian or American 7½ to 40 per cent.

PLANE IRONS.

English, per doz..... 2 00 5 00

PLIERS AND NIPPERS.

Button's Genuine per doz pairs, dis. 37½ 40 p.c.
Button's Imitation, per doz.. 5 00 9 00
German, per doz..... 0 60 2 60

PLUMBERS' BRASS GOODS.

Standard Compression work, dis. 60 p.c.
"J.M.T." Cushion work, dis. 50 p.c.
Fuller work, dis. 65 p.c.
6 doz. lots and over of the above, extra dis. 10 p.c.
Rough Stops and Stops and Waghers, dis. 60 p.c. With, in lots of 2 doz. and over, an extra dis. of 10 p.c.
"J.M.T." Globe, Angle and Check Valves, dis. 70 p.c.
Standard Globe, Angle and Check Valves, dis. 65 p.c
"J.M.T." Radiator Valves, dis. 70 p.c.
Standard " " dis., 60 p.c.
Patent Quick Opening Valves, dis. 70 p.c.
No. 1 compression bath cock, net .. 2 00
No. 4 " " " 2 00
No. 7, Fuller's..... 2 20
No 4½, " 2 35
Patent Compression Cushion, basin cock, hot and cold. per doz. 15 00
Patent Compression Cushion, bath cock No. 2208..... 2 25
Square head brass cocks, 60 p.c.
" " iron " 60 p.c.
Globe Angle or check valves, 70 p.c.

PRESSED SPIKES.

Discount 25 per cent.

PULLEYS.

Hothouse, per doz.....	0 55	1 00
Axle.....	0 22	0 33
Screw.....	0 27	1 00
Awning.....	0 35	2 50

PUMPS.

Canadian cistern.....	1 80	3 60
Canadian pitcher spout.....	1 40	2 10

PUNCHES.

Saddlers', per doz.....	1 00	1
Conductors' "	9 00	15 00
Tinners', solid, per set.....	0 00	0 72
" hollow per inch	0 00	1 00

RANGE BOILERS. Net.

Dominion, 35 "	6 75
" 40 "	7 75
Ronald's Galvanized 30 gallons	6 50
" " 35 "	7 50
" " 40 "	8 50
Copper, 30 gallons.....	25 00
" 35 "	29 00
" 40 "	33 00

RAKES.

Wood, 10 per cent.

RAZORS.

	per doz.
Elliot's	4 00 18 00
Geo. Butler & Co.'s,.....	4 00 18 00
Boker's	7 50 11 00
" King Cutter	12 50 50 00
Wade & Butcher's...	3 60 10 00
Theile & Quack's	7 00 12 00
Bailey's	6 00 12 00
Carbo Magnetic Razor	15 00
Griffon Barbers' Favorite.....	10 75
Griffon No 65.....	13 0

All other razors 50 p.c. off catalogue price.

Griffon Safety Razors.....	13 50
" Stropping Machines... ...	13 50

REGISTERS.

Discount,..... ..... 40 per cent

RIVETS AND BURRS.

Iron Rivets, black and tinned, discount 60 and 10 per cent.
Iron Burrs, discount 55 per cent.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c per lb.
Copper Rivets with usual proportion burrs, 45 and 10 dis., cartons, 1c. per lb. extra, net.
Copper Burrs only, 30 and 0 p.c.
Extras on Tinned or Coppered Rivets ½-lb. cartons, 1c. per lb.

RIVET SETS

Canadian dis. 35 to 37½ per cent

ROPE ETC.

Sisal	15½
Pure Manilla.....	16
"British" Manilla.....	14
Cotton, 3-16 inch and larger	16
" 5-32 inch....	21
" ⅛ inch.....	22
Russia Deep Sea	15
Jute	8
Lath Yarn	11
Sisal bed cord, 48 ft.....per doz.	65
" " 60 ft..... "	80
" " 72 ft..... "	95

RULES.

Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS. per set.

Mrs. Potts, No. 55, polished..	65
" No. 50, nickle-plated	75

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 5 per cent.
Emery, 40 per cent.
Garnet (Rurton's), 5 to 10 p.c. advance on list.

SAP SPOUTS.

Bronzed iron with hooks, per doz... 9 50

SAWS.

Hand Disston's, dis. 12½ p.c.
S. & D., 40 per cent.

Crosscut, Disston's, per ft....	35	0 55

S. & D., dis. 35 p.c. on Nos. 2 and 3.

Hack, complete, each.....	0 75	2 75
" frame only.....		0 75

SASH WEIGHTS.

Sectional, per 100 lbs.....	2 25	2 50
Solid, "	1 75	2 00

SASH CORD.

Per lb..... 0 23 0 30

SAW SETS.

Lincoln and Whiting, per doz...	4 75	
Hand Sets, No. 1 Woodyatt (Morrill)	4 25	
X-cut sets, No. 3 Woodyatt (Morrill)	9 50	

SCALES.

Standard, 45 p.c.
Spring Balances, 10 p.c.
Fairbanks Standard, 35 p.c.
" Dominion, 55 p.c.
" Richelieu, 55 p.c.
Warren's new Standard 45 p.c.
" " Champion 65 p.c.

SCREW DRIVERS.

Sargent's per doz..... 0 65 1 00

SCREWS

Wood, F. H., bright and steel, 57½ and 10 p.c
Wood R. H., " dis. 82½ and 10 p.c.
" F. H., brass dis. 80 and 10 p.c.
Wood, R. H., " dis. 75 and 10 p.c.
" F.H., bronze, dis. 75 p.c.
" R.H. " 70 p.c.
Drive Screws, 87½ and 10 per cent.

Bench, wood, per doz.....	3 25	4 00
" iron, "	4 25	5 75

Set, Case hardened, 60 per cent.
Square Cap, 50 and 5 per cent.
Hexagon Cap, 45 per cent.

SCYTHES.

Per doz. net 9 00

SCYTHE SNATHS.

Canadian, dis. 45 p.c.

SHEARS.

Bailey Cutlery Co., full nickeled, dis. 60 and 2½ p.c.
Bailey Cutlery Japan handles, 67½ p.c
Seymour's, dis. 50 and 10 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SINKS.

Stee and galvanized, discoun 45 per cent.

SNAPS.

Harness, German, dis. 25 p.c.
Lock, Andrews'..... 4 50 11 50

SOLDERING IRONS.

1, 1½ lb., per lb..... ..... 0 37
2 lb. or over, per lb. 0 34

SQUARES.

Iron, No. 493, per doz	2 40	2 55
" Mo. 494, "	3 25	3 40

Steel, dis. 60. 10 and 5 p.c.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.

Plain, dis., 75 and 12½ p.c. off revised st
Retinned, dis., 75 p.c. off revised ist.

STAPLES.

Galvanized	3 50	4 00
Plain 3 25		3 75

Coopers', discount 45 per cent.
Poultry netting staples, 40 per cent.

STANDARD CHAIN CO., PITTSBURGH, U. S. A.

MANUFACTURERS OF **CHAIN** OF ALL KINDS.

Proof Coil, B.B., B.B.B., Crane, Dredge Chain, Trace Chains, Cow Ties, etc.

ALEXANDER GIBB, Montreal. —Canadian Representatives— A. C. LESLIE & CO., Montreal.

For Provinces of Ontario and Quebec. For other Provinces.

STOCKS AND DIES.

American dis. 25 p.c.

STONE.	Per lb.	
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip,	0 09	0 09
Labrador	....	0 13
" Axe	....	0 15
Turkey	....	0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, 2 in, 40 to 200 lb, per ton	....	25 00
" under 40 lb. "	....	28 00
Grind. under 2 in. thick "	....	29 00

STOVE PIPES.

5 and 6 inch Per 100 lengths	....	7 00
7 inch " "	....	7 50

ENAMELINE STOVE POLISH.

No. 4—3 dozen in case, net cash	$4 80
No. 6—3 dozen in case, "	8 40

TACKS, BRADS, ETC.

Cheese-box tacks, blued ..... 80 & 12½
Trunk tacks, black and tinned 85
Carpet tacks, blued ..... 80 & 15
" " tinned ..... 80 & 20
" " (in kegs) 40
Cut tacks, blued, in dozens only .. 80
" ¼ weights 60
Swedes cut tacks, blued and tinned—
In bulk ..... 80 & 10
In dozens 75
Swedes, upholsterers', bulk .... 85, 12½ & 12½
" brush, blued & tinned, bulk .. 70
" gimp, blued, tinned and japanned ..... 75 & 12½
Zinc tacks 35
Leather carpet tacks 55
Copper tacks 50
Copper nails 52½
Trunk nails, black ..... 65 and 5
Trunk nails, tinned ..... 65 and 10
Clout nails, blued ..... 65 and 5
Chair nails 35
Patent brads 40
Fine finishing 40
Lining tacks, in papers 10
Lining tacks, in bulk 15
" " solid heads, in bulk 75
Saddle nails in papers 10
" " in bulk 15
Tufting buttons, 22 line, in dozens only 60
Tin capped trunk nails 25
Zinc glazier's points 5
Double pointed tacks, papers .... 90 and 10
" " " bulk 40

TAPE LINES.

English, ass skin, per doz.	2 75	5 00
English, Patent Leather	5 50	9 75
Chesterman's each	0 90	2 85
" steel, each	0 80	8 00

TINNERS' SNIPS.

Bailey's, dis. 25 p.c.

THERMOMETERS.

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TRAPS. (Steel.)

Game, Newhouse, dis. 25 p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's discount 10 per cent.

German, per doz.	4 75	6 00

S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb.	....	0 27
Wrapping, cotton, 3-ply	....	0 18½
" " 4-ply	....	0 23½
Mattress, per lb.	0 33	0 45
Staging, "	0 27	0 35

VISES.

Wright's	....	0 13½
Brook's	....	0 12¾
Pipe Vise, Hinge, No. 1	....	3 50
" " " No 2	....	5 50
Saw Vise	4 50	9 00

ENAMELLED WARE.

White, Princess, Turquoise, Blue and White, discount 50 per cent.
Diamond, Famous, Premier, 50 and 10 p.c.
Granite or Pearl, Imperial, Crescent, 50, 10 and 10 per cent.

WIRE.

SMOOTH STEEL WIRE.

No. 0-9 gauge		$2 60
10 "		6c. extra.
11 "		12c. "
12 "		20c. "
13 "		30c. "
14 "		40c. "
15 "		55c. "
16 "		70c. "

Add 60c. for coppering and $2 for tinning.

Extras net per 100 lb. — Oiled wire 10c., spring wire $1.25, special hay baling wire 20c., best steel wire 75c., bright soft drawn 15c., charcoal (extra quality) $1.25, packed in casks or cases 15c., bagging and papering 10c., 50 and 100-lb. bundles 10c., in 25-lb. bundles 15c., in 5 and 10-lb. bundles 25c., in 1-lb. hanks 50c., in ½-lb. hanks 75c., in ¼-lb. hanks $1.

Fine Steel Wire, dis. 22½ per cent. List of extras: In 100-lb. lots: No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, 7.65—No. 24, $8—No. 25, $9—No. 26 $9.50—No. 27, $10—No. 28, $11 No. 29. $12—No. 30, $13—No. 31, $14—No. 32 $15, No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31 $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles. 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.50 to $3 85—No. 9, $2.85 to $3.15—No. 10, $3.60 to $3.95—No. 11, $3.70 to $4.10—No. 12, $3 to $3.30—No. 13, $3.10 to $3.40—No. 14, $4.10 to $4.50—No. 15, $4.60 to $5.05—No. 16. $4.85 to $5.35. Base sizes, Nos. 6 to 9 $2.52½ f.o.b. Cleveland.
Clothes Line Wire, regular 7 strand, No. 17, $4.65; No. 18, $2.90; No. 19, $2.60. Hollow 6 strand, No. 17, $4.30; No. 18. $2.70, No. 19, $2.35; No 20, $2.30, f.o.b. Hamilton, Toronto Montreal.

WIRE FENCING.

Galvanized barb	....	3 00
Galvanized, plain twist	....	3 00

Galvanized barb, f.o.b. Cleveland, $2.77½ in less than carlots, and $2.65 in carlots

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net	1 25

WASTE COTTON.

	per lb.
Colored	6
White	8

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 60 p.c.
Coe's Genuine, dis. 20 to 25 p.c.

Towers' Engineer, each	2 00	7 00
" S., per doz.	5 80	6 00
G. & K.'s Pipe, per doz.	....	3 40
Burrell's Pipe, each	....	3 00
Pocket, per doz.	0 25	2 90

WRINGERS.

Leader per doz.	$30 00	33 00
Royal Canadian	....	24 00
Royal American, "	....	24 00
Sampson "	....	24 00

Terms 4 months, or 3 p.c. 30 days.

WROUGHT IRON WASHERS.

Canadian make, discount, 40 per cent.

ADVERTISING in WESTERN CANADA

will be Carefully Efficiently, and Promptly attended to, by

The Roberts Advertising Agency,

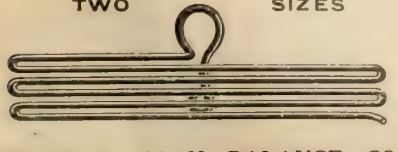
WINNIPEG CANADA.

Standard Paint & Varnish Works Limited
Makers of High Grade Varnishes, Japans, Paints, Colors & Enamels
Windsor, Ont.

"PULLMAN"

TROUSER or SKIRT HANGERS.

TWO SIZES

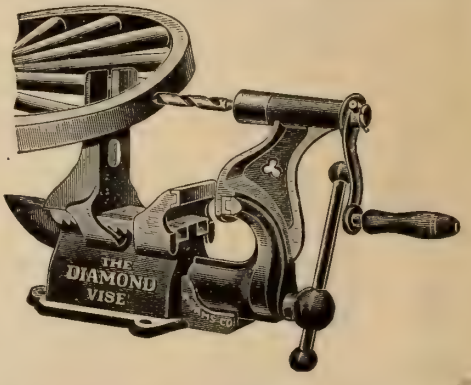


PULLMAN SASH BALANCE CO.,
ROCHESTER, N.Y., U.S.A.

DIAMOND VISE AND DRILLING ATTACHMENT

U. S. Patent Jan. 15, '95. Canadian Patent July 22, '95.





JAWS are faced with steel ⅞ inch wide, 4 inches long, firmly fastened to jaw, checked and hardened.
VISE weighs 38 pounds. DRILL weighs 13 pounds.
For Sale by Jobbers of Hardware.

Made by—
The Adams Company, Dubuque, Iowa, U.S.A.
Made by **A. R. Woodyatt & Co.,** Guelph, Ont.

TRADE
NOBLES & HOARE · NH · LONDON ·
MARK

Nobles & Hoare,

CORNWALL ROAD STAMFORD STREET.

LONDON, ENG.

Manufacturers of

HIGH-CLASS VARNISHES ONLY

Which can be obtained direct from the works or from the principal Color Dealers in Canada.



Ontario Nut Works, Paris

BROWN & CO.

Manufacturers of

All sizes of Hot Pressed Nuts, Square and Hexagon.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker,

13 St. John Street, Montreal

Representing British and American Manufacturers. Correspondence invited from firms wishing to be represented in Canada.

"THE EMLYN" SAW BENCH

Made in 6 sizes. Best value obtainable. Specially designed for export With or without "Emlyn" Patent Guard. Sole maker—

CHARLES D. PHILLIPS,

Cables—"Machinery," Newport. Emlyn Engineering Works, NEWPORT, MON., ENGLAND.

ONTARIO SILVER CO.,

Limited,

NIAGARA FALLS, CANADA.

Manufacturers of **FLATWARE, CUTLERY and ELECTRO PLATE.** . . .

Ask for our Catalogue and Quotations.

You cannot afford to be indifferent in your choice of

OFFICE STATIONERY.

Use "Windsor Mills" paper for letter-heads and envelopes, and "Burmese Linen Ledger" for your blank books and you have made a choice that meets the approval of the best business offices.

CANADA PAPER CO., Limited

TORONTO and MONTREAL

The Batty Stove & Hardware Co.

Successors to

The Toronto Branch of THE COPP BROS. CO., Limited.

Wholesale dealers in

MANTELS, GRATES, TILES, ETC.

HOT-AIR REGISTERS.

HOT-AIR DAMPERS.

STOVE AND FURNACE CEMENT: 3½ and 5-lb. Cans.

STOVE POLISH. STOVE REPAIRS.

THE BATTY STOVE & HARDWARE CO.

279 Queen West, TORONTO.

HAND-FORGED **RAZORS** HAND-GROUND

NOT TOUCHED BY MACHINERY.



Fully Warranted. Ask for Catalogue.

Made in Canada by

Manufacturers of Steel-Laid Shears and Scissors, Hand-Forged Butcher Knives and Tinners' Snips.

BAILEY CUTLERY CO., LIMITED

BRANTFORD, ONTARIO.

CHAS. P. CLARK, President. **JARED CHITTENDEN, Treasurer.**

...ESTABLISHED 1849...

BRADSTREET'S

Capital and Surplus, $1,500,000. **Offices Throughout the Civilized World.**

Executive Offices: Nos. 346 and 348 Broadway, New York City, U.S.A.

THE BRADSTREET COMPANY gathers information that reflects the financial condition and the controlling circumstances of every seeker of mercantile credit. Its business may be defined as of the merchants, by the merchants, for the merchants. In procuring, verifying and promulgating information, no effort is spared, and no reasonable expense considered too great, that the results may justify its claim as an authority on all matters affecting commercial affairs and mercantile credit. Its offices and connections have been steadily extended, and it furnishes information concerning mercantile persons throughout the civilized world.

Subscriptions are based on the service furnished, and are available only by reputable wholesale, jobbing and manufacturing concerns, and by responsible and worthy financial, fiduciary and business corporations. Specific terms may be obtained by addressing the Company at any of its offices. **Correspondence Invited.**

——OFFICES IN CANADA——

HALIFAX, N.S.	HAMILTON, ONT.	LONDON, ONT.	MONTREAL, QUE.
OTTAWA, ONT.	QUEBEC, QUE.	ST. JOHN, N.B.	TORONTO, ONT.
VANCOUVER, B.C.	VICTORIA, B.C.	WINNIPEG, MAN.	

THOS. C. IRVING, Gen. Man. Western Canada, Toronto. JOHN A. FULTON, Gen. Man. Eastern Canada, Montreal.



Established 1832. Cable Address. "BLISS."

MANUFACTURERS

Wood Turnings, Hand Bench and other Screws Mallets, Handles, Vises Clamps, Tool Chests Croquet, Lithographs Wood Toys, Novelties

and also the celebrated

Wood's Patent Car Gate

For Street and Steam Railroad Cars.

The R. BLISS MFG. CO.

Pawtucket, R.I., U.S.A.

Canadian Representative: ALEXANDER GIBB, 13 St. John St., MONTREAL.

75 YEARS. *ESTABLISHED 1825.* *75 YEARS.*

CELEBRATED **HEINISCH** SHEARS.

Tailors' Shears, Trimmers, Scissors, Tinners' Snips, etc.



ACKNOWLEDGED THE BEST.

R. HEINISCH'S SONS CO.

NEW YORK OFFICE, 90 Chambers St. NEWARK, N.J., U.S.A.

Not connected with any Shear Combination.

Est. 1966 Inc. 1895

Black Diamond File Works

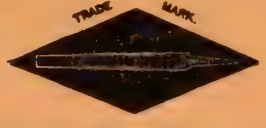
G. & H. Barnett Company

PHILADELPHIA

Twelve Medals



Awarded
By **JURORS** at
International Expositions
Special Prize
Gold Medal at Atlanta, 1895



RUBBER HOSE

FOR

Water	Air	Suction
Steam	Acids	Fire Protection
Gas	Brewers	Pneumatic Tools

SUPERIOR IN QUALITY.
SATISFACTORY IN SERVICE.

When you want anything made of rubber, write to us.

THE GUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

Head Office and Warerooms—
45-47-49 West Front St.

TORONTO,

Factories—115-165 West Lodge Ave.
124-148 O'Hara Ave.

CANADA.

We have in stock:

- Gold and Metal Leaves
- Chamois Skins
- Glaziers' Diamonds
- Graining Combs
- Dry White Lead
- Red Lead
- Litharge
- Orange Mineral
- Zinc Oxides
- Whiting

and shall be pleased to quote lowest prices on application.

B. & S. H. THOMPSON & CO.

53 St. Sulpice Street,

MONTREAL.

VARNISHES AND JAPANS

McCASKILL, DOUGALL & CO.

Manufacturers MONTREAL



Standard Railway and Carriage Varnishes
Standard Boat and Spar Varnishes
—Wont turn white from the effects of water and sun.
Standard Piano, Furniture and Decorative Varnishes
Zanzerine Transparent Wood Finishes and Varnishes
Architectural Varnishes

OFFICES:

30 St. John St., MONTREAL.

161 Summer St., BOSTON, Mass., U.S.A.

HARDWARE AND METAL CANADA



MARCH 22, 1902

SPRING TRADE NUMBER

Received in B+S
Oct 1903

THE MACLEAN PUBLISHING COMPANY

TORONTO

Manufacturers of

Paints

DRY COLORS
and VARNISHES

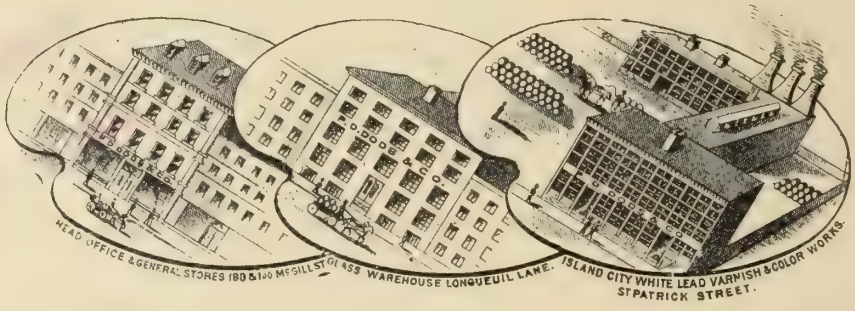
Island City Floor Paint

Dries in eight hours.

Island City House Paints

Made from the purest materials. Send for sample card showing 56 colors.

Island City Bath Enamel, Household Enamel, Gloss Carriage Paint. . . .



Island City Pure White Lead . . .
Pure Decorators' Lead . .
Our Island City Pure White Paint
Is non-poisonous and two coats cover as much as three coats of Pure Lead.

WINDOW GLASS

Rough Rolled, Enamel and all descriptions of Fancy Glass.

P. D. DODS & CO.

TORONTO MONTREAL

The leading wholesale houses handle LANGWELL'S BABBIT
MONTREAL.

CANADIAN
HARDWARE
AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XIV. MONTREAL AND TORONTO, MARCH 22, 1902 NO. 12.

POCKET KNIVES
H. BOKER & COS
IMPROVED
TREE BRAND
TRADE MARK
RAZORS CUTLERY SCISSORS
FOR SALE BY LEADING WHOLESALE HARDWARE HOUSES.

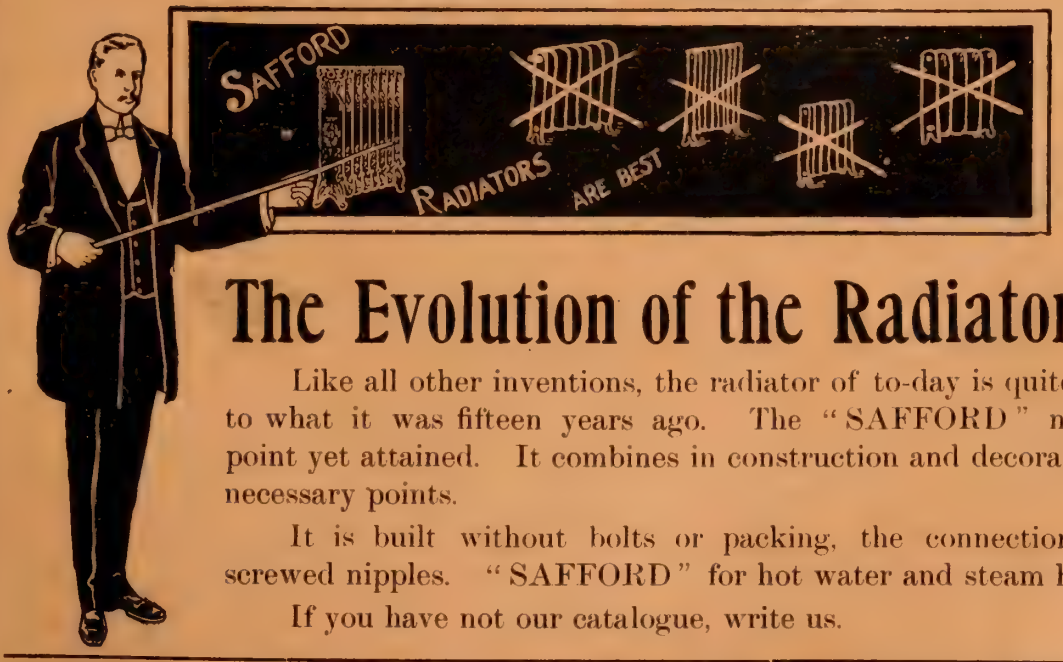
GALVANIZED IRON
equal to "Queen's Head"



has not yet been discovered.

JOHN LYSAGHT, Limited, Makers, BRISTOL, ENG.
A. C. LESLIE & CO., MONTREAL, Managers Canadian Branch.

EXPERIENCE TEACHES



Simple
Compact
Reliable

The Evolution of the Radiator

Like all other inventions, the radiator of to-day is quite a different thing to what it was fifteen years ago. The "SAFFORD" marks the highest point yet attained. It combines in construction and decoration all useful and necessary points.

It is built without bolts or packing, the connection being made by screwed nipples. "SAFFORD" for hot water and steam heating.

If you have not our catalogue, write us.

THE DOMINION RADIATOR CO., Limited
Head Office and Works: DUFFERIN ST. TORONTO, CAN.

SPORTING GOODS

— FOR —

1902.

GOLF
CRICKET
BASEBALL
LACROSSE
FOOTBALL
TENNIS
PING-PONG

SUPPLIES

Write for Sporting Goods Catalogue.

RICE LEWIS & SON

LIMITED

TORONTO.

We Sell

BLACK AND GALVANIZED SHEET IRON.

We are prepared to execute your order for one bundle or your contract for a hundred tons.

We Sell

TIN PLATES OF ALL GRADES AND SIZES.

We can fill your order for a single box or for half a dozen carloads, shipped from our stocks or for direct importation.

We Sell

ANTIMONY, COPPER, TIN, LEAD, ZINC.

Sheet Zinc, Sheet Copper, Sheet Brass, Tinned Sheets, Canada Plates.

We have been selling these goods for about half a century and we know the business pretty well. We can serve you promptly and intelligently. Give us the opportunity.

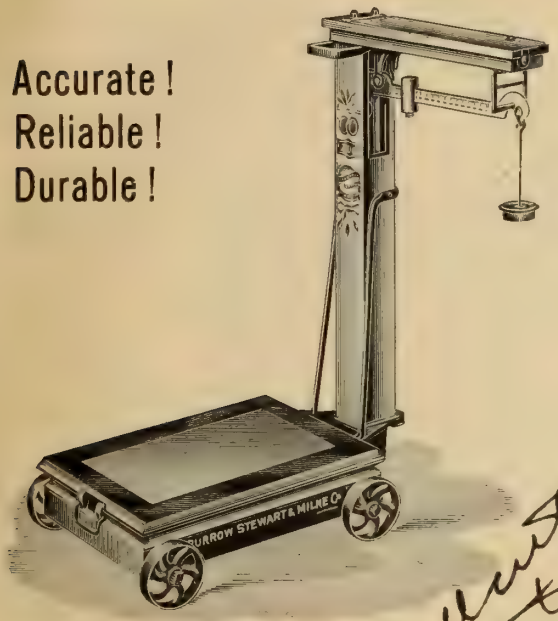
M. & L. SAMUEL, BENJAMIN & CO.

27 Wellington St. West, TORONTO, ONT.

English House: SAMUEL, SONS & BENJAMIN, 164 Fenchurch St., LONDON, E.C.

IMPERIAL STANDARD SCALES.

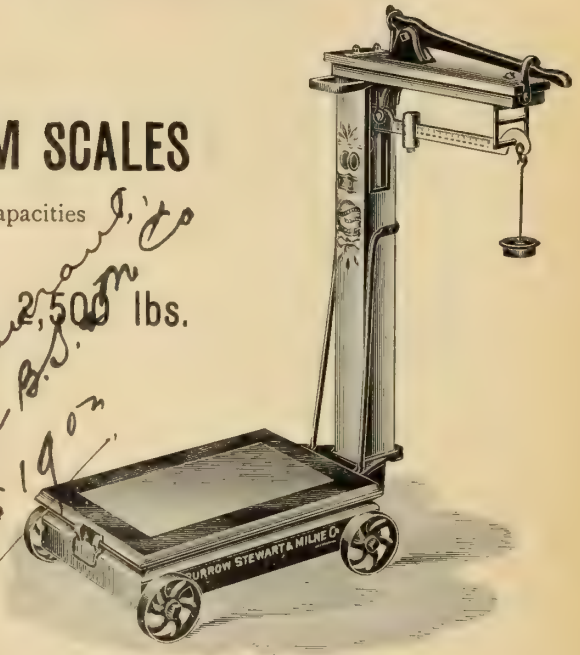
Accurate!
Reliable!
Durable!

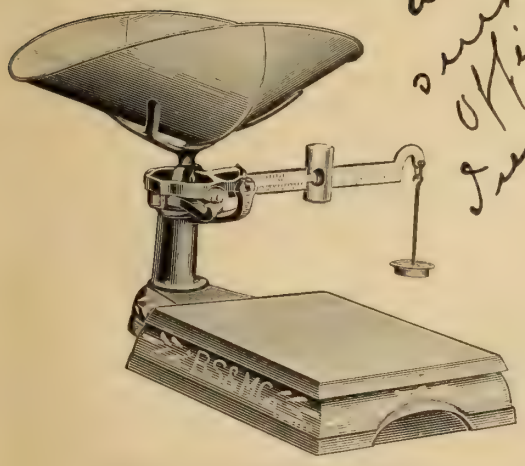


PLATFORM SCALES

of all capacities from . .

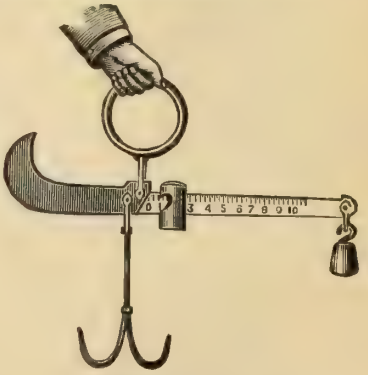
300 lbs. to 2,500 lbs.



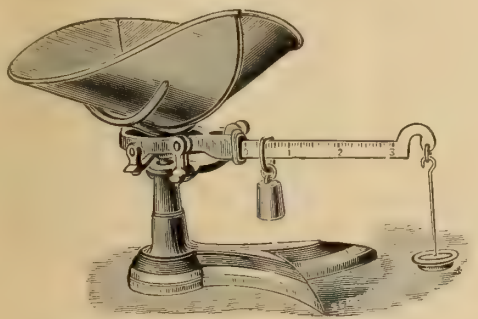


UNION SCALE WITH SCOOP.
Capacity, 240 lbs.

We make Scales for every purpose, of all capacities, from a Letter Scale to a Great Railway Track Scale Weighing 100 tons.



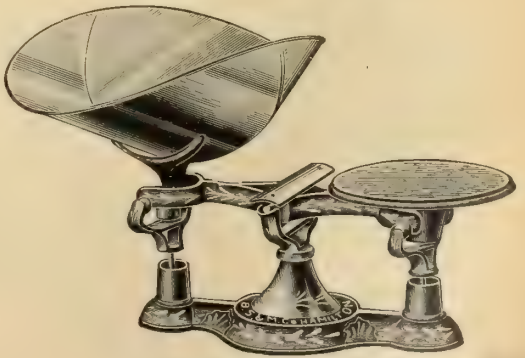
BUTCHERS' BEAM.
Capacity, 25, 50, 60 and 100 lbs.



GROCERS' SCALE WITH SCOOP.
Capacity, 40 or 60 lbs.

Our name on any Scale is a sufficient guarantee of

High Quality.



GROCERS' TRIP SCALE.
Capacity, 6, 10 or 17 lbs.

THE BURROW, STEWART AND MILNE CO., Limited

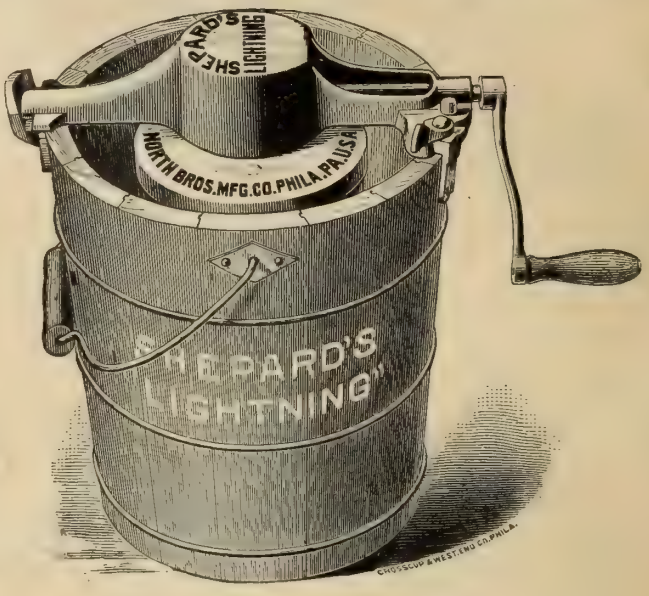
HAMILTON, ONT.

The Best Ice Cream Freezers

HAVE

AUTOMATIC TWIN . . . SCRAPERS

which insure positive and continuous scraping of frozen cream from side of can.



White Cedar Pails

WITH

ELECTRIC WELDED WIRE HOOPS

Guaranteed not to fall off or break.

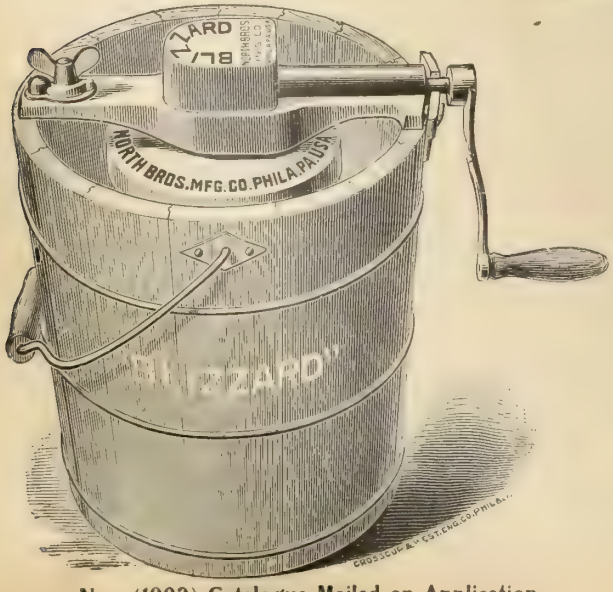


Heavy Tin Cans

WITH

DRAWN STEEL BOTTOMS

Guaranteed not to fall out or leak.



New (1902) Catalogue Mailed on Application.

These features are found only in

"LIGHTNING"
"GEM"
"BLIZZARD"

FREEZERS

Sold by Leading Jobbers, and made exclusively by . . .

North Bros. Mfg. Co.

PHILADELPHIA, PA., U.S.A.

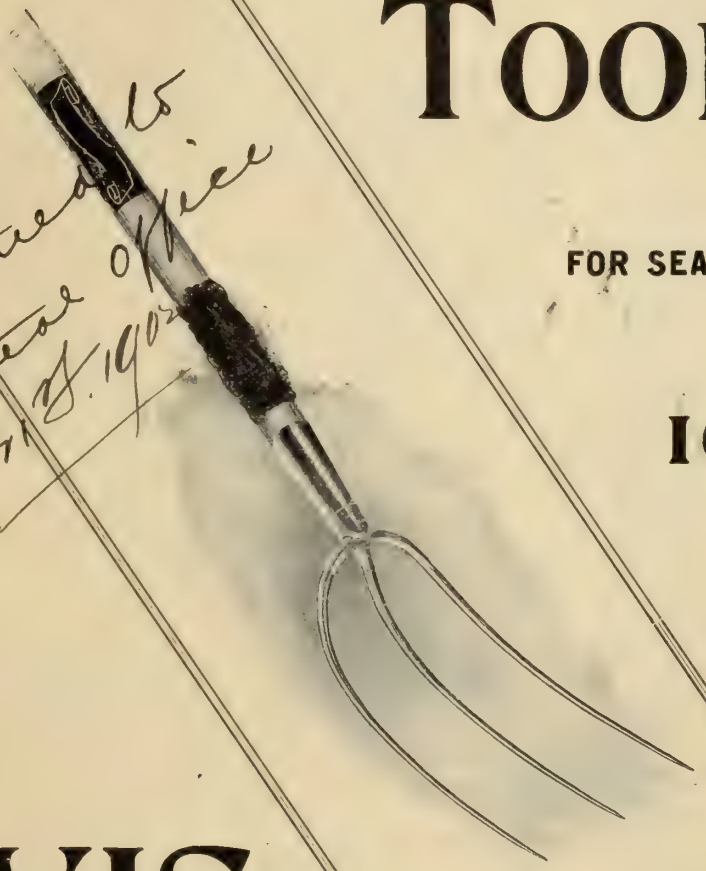
HAY FORKS,
MANURE FORKS,
SPADING FORKS,
Etc.

REMEMBER US ON

HARVEST TOOLS

FOR SEASON

1902



BIG STOCKS

GREAT VARIETIES

FAVORABLE PRICES

LEWIS

BROS. & CO.

MONTREAL

POTATO HOOKS,
FIELD HOES,
MATTOCKS,
Etc.

TORONTO:
87 York Street

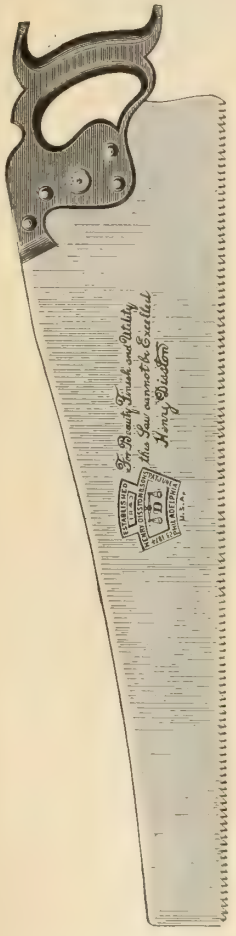
OTTAWA:
54 Queen Street

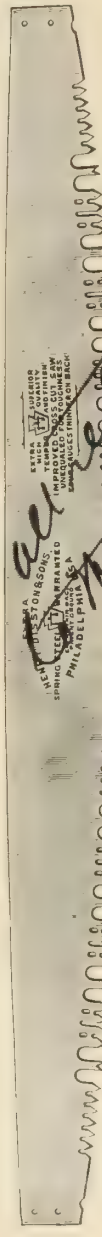
HAND SAWS,
X-CUT SAWS,
BACK SAWS,
CIRCULAR SAWS,
SAW SETS,
ETC.

HENRY DISSTON & SONS

PHILADELPHIA, PENN., U.S.A.

FILES,
RASPS,
LEVELS,
TRY SQUARES,
TROWELS,
ETC.





A Practical Mechanic

practices economy in the selection of his tools. Real economy lies in buying tools of long established reputation for quality.

The name **"DISSTON"** on a hand saw saves the salesman an amount of talking. It is backed up by quality and reputation; that which mostly appeals to the mechanic.

An Experienced Lumberman

needs but a few strokes through the log to determine the quality of a cross-cut saw. The quality of the **"DISSTON"** is of the very highest standard, the temper perfect. Most lumbermen prefer the **"DISSTON"** to any other. All dealers handling the **"DISSTON"** recommend them as the best manufactured. The name sells them.

An Expert Machinist

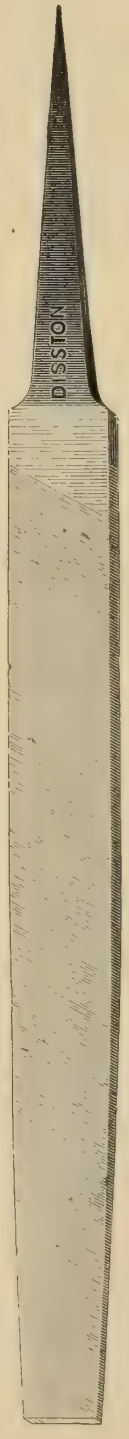
when once accustomed to using the **"DISSTON"** is not easily persuaded to buy a file not bearing the **"DISSTON"** brand.

Reason; DISSTON'S wear longer and will not clog like other files.

A Skilled Farrier

knows the value of time. Less time is consumed in rasping a horse with the **"DISSTON"** than with the ordinary rasp. It's not only the quality, but the way it's cut.

Result; more horses shod, less time to do it, more profit for the farrier.





Mail Us Your Hurry Orders.

We Ship Quick.

LEWIS BROS. & CO.

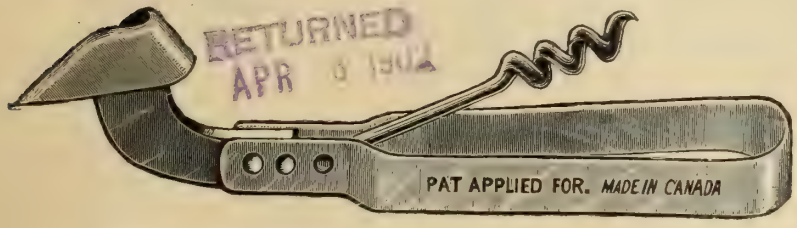
AGENTS **MONTREAL.**

TORONTO:
No. 87 York St.

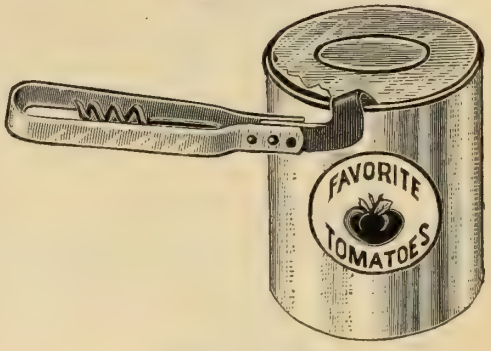
OTTAWA:
No. 54 Queen St.

The P. R. Cumming Mfg. Co., Limited, Toronto.

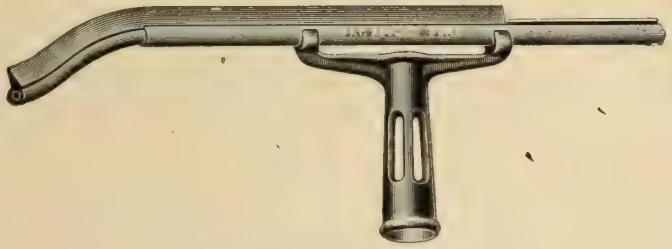
The "Cumming" Corkscrew Can Opener.



Different from
Better than
any other can opener made **anywhere.**



How it works.



The **only** window cleaner with a
REMOVABLE RUBBER.



Safety Paring Knife

3 Cutting Edges.

SOME OF THE MANY LINES

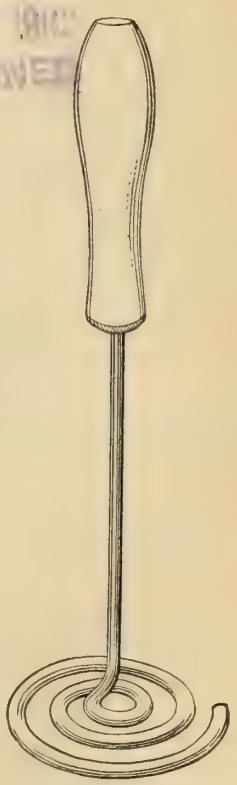
MADE IN CANADA

by The

P. R. Cumming Mfg. Co. Limited

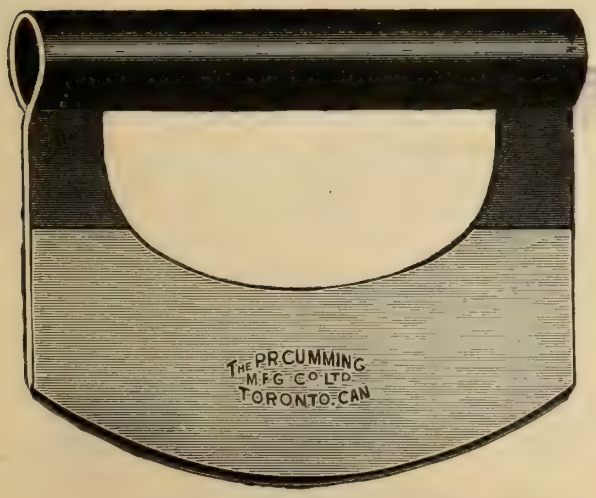
TORONTO.

P.S.—A Post Card brings a Catalogue.

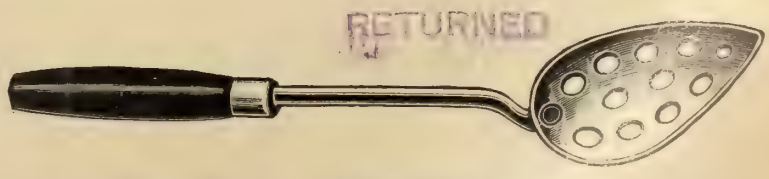


"Rapid" Potato Masher.

No { Kinks / Joints / Trouble.



All-Steel Mincing Knife.



"Best" Spoon

for Mixing Batter, Lifting Eggs, etc., etc.



ROCK FACE BRICK.



PATENT "SAFE LOCK" SHINGLES.



CEILING PLATE
557.

WHY are there more dealers selling "SAFE LOCK" Shingles than those of any other make? We deal fairly and supply good material which, of course, is a big factor in our success, but the real secret is

Their Superiority.

In the "SAFE LOCK" we have a construction which cannot be successfully imitated. If you are not familiar with the construction, procure samples of the different styles of metal shingles on the market and compare them, and you will then understand the success of the "SAFE LOCK" construction. A comparison never fails to bring us the business.

STOP a moment and **CONSIDER** what style of a roofing is to supersede the wooden shingles? Will it be slate or gravel do you think? If you consider the advantages of metal roofing you will not be slow to arrive at a conclusion, and if metal roofing is to be the universal covering for buildings in the future, are you planting for the coming harvest? If you have not been one of the fortunate ones who have planted "SAFE LOCK" seed, and are already reaping, would it not be wisdom to act quickly if not already too late? We only appoint one representative in a locality.

SIDING. Have you tried our large sheet siding? Each sheet measures 30 x 96. It has real talking points, and your customers will not hesitate to pay a good price.

METAL CEILINGS. Orders are coming our way thick and fast; in fact, they surprise us. Our customers seemingly control the trade in their localities. We can help you to do the same. . . .

WHAT ABOUT YOUR TROUGHING, CONDUCTOR, Etc.? Do you know that we are manufacturing a superior trough without prick marks and mechanically uniform in size? This means a saving in solder and time erecting which you cannot afford to ignore. Prices guaranteed.

We are continually adding new lines and believe that we have greater facilities to help live dealers to a lucrative business than our competitors. It will pay you to become acquainted with our line and methods of fair treatment to our customers.

WRITE NOW BEFORE YOU FORGET ABOUT IT.

The Metal Shingle & Siding Co. LIMITED.

Preston, Ont., and Winnipeg, Man.

Frank H. Scott

Manufacturers' Agent,

360 Temple Building, = = MONTREAL.

SOLE REPRESENTATIVE IN CANADA FOR :

MALEHAM & YEOMANS,

SHEFFIELD, ENGLAND.

Manufacturers of

Table Cutlery, Razors, Scissors,
Butcher Knives and Steels,
Palette and Putty Knives.

REGISTERED TRADE MARKS.

WARRANTED
W. BRADSHAW & SON
SHEFFIELD.

GRANTED 1780.

SPECIALTY : Cases of Carvers and Cabinets of Cutlery.

Singleton & Priestman, Sheffield, Eng.

PEN AND POCKET CUTLERY.

Makers of the celebrated "RAZOR STEEL" KEEN EDGE Cutlery.

Ward & Payne, Sheffield, Eng.

Edge Tools, Sheep Shears, Garden Shears, Steel and Files.

Sole Manufacturers of the

"S. J. ADDIS" CARVING TOOLS.

James Deakin & Sons, Ld., SHEFFIELD, ENG.

SILVERSMITHS AND CUTLERS.

Manufacturers of Silver, Nickel Silver, Electro Plate, Britannia Metal and Oak Goods, Fish Eaters and Dessert Sets.

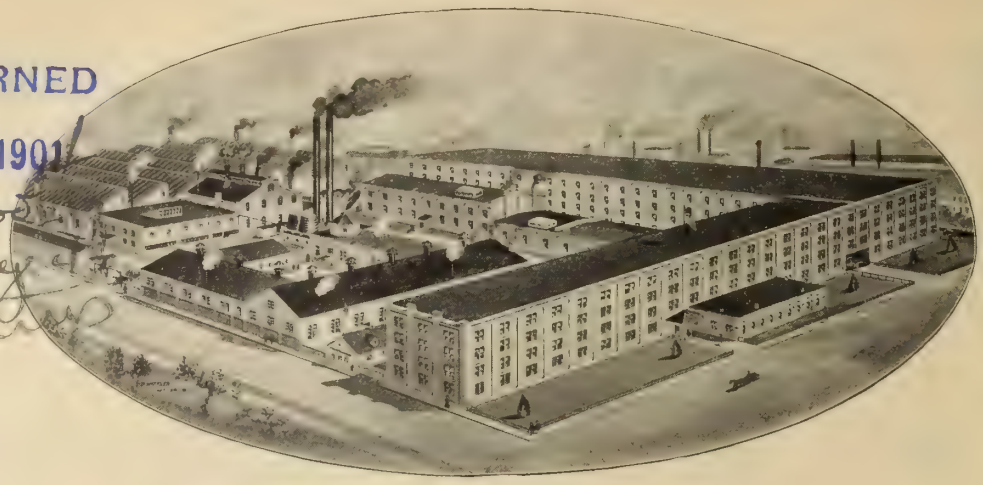
Hawksworth, Eyre & Co., Ld., SHEFFIELD, ENG.

Manufacturers of every description of Silver and Plated Goods.

SPECIALTY : Candlesticks, Candelabra and Lamps.

CORRESPONDENCE SOLICITED.

RETURNED
MAR 30 1901



Home of

The Columbian Hardware Company

Coe and Hamilton Streets

CLEVELAND, OHIO.

WE DESIRE TO ANNOUNCE THE APPOINTMENT OF

MESSRS. LAMPLOUGH & McNAUGHTON

9 De Bresoles Street, Montreal, Quebec

as our **Canadian Representatives**

We are successors by purchase to

VAN WAGONER & WILLIAMS HARDWARE CO., CLEVELAND, O., and THE TRENTON VISE AND TOOL CO., TRENTON, N.J.

and are large producers of

SPRING HINGES (The "American," "Gem," "Oxford," "Acme" and "Columbia.")

DOOR SPRINGS ("Gem," "Star" and "Torrey.")

"GEM" WIRE COAT and HAT HOOKS, with truly "gimlet-pointed" thread.

SOLID BOX BLACKSMITH and HORSESHOERS' VISES (Forged from Ingot Steel)

BENCH and OVAL SLIDE VISES--In complete list of sizes.

ORDERS AND INQUIRIES FROM THE CANADIAN TRADE DESIRED.

Toronto, March 14th, 1902.

REMOVING NOTICE.

We beg to notify our customers and the trade in general that, owing to ***our recent fire,*** we have ***removed our Warehouse, formerly*** situated at King Street Subway, and also our ***Offices and Salesroom,*** formerly situated at No. 80 Bay Street, to Nos. ***61 and 63 Front Street West,*** having converted our former warehouse into a factory to replace the one destroyed by fire.

We specially beg to notify that our factory is running in all departments, and under the new regulations we believe we can give our customers better service than in the past.

Specially note that we have a large quantity of various lines of goods of our manufacture, slightly ***damaged by fire,*** which we will dispose of at ***very low figures.*** Samples can be seen at the above address only.

Our Facility for Handling Special Orders is More Perfect Than Ever Before.

CORRESPONDENCE SOLICITED

MENZIE MFG. CO., Limited.

Geo. D. Wood & Co.
Winnipeg.

Iron
Steel
Nails
Barb Wire
Plain Wire
Building
Paper
Glass
Paints
and
Oils
Churns
Spades
and
Shovels
Harvest Tools
Axes
Cordage
Tin and
Granite Ware

Spring Hardware

GEO. D. WOOD & CO., WINNIPEG.

Letter Orders Receive Prompt Attention.



Wood, Vallance & Co.
Hamilton, Ont.

Builders' and
Contractors'
Supplies
Mechanics'
Tools
Plated Ware
I X L Cutlery
Rodgers' Cutlery
Field's Cutlery
Boker's Cutlery
Ammunition
Guns
Rifles
Revolvers.

MANUFACTURERS
DESIRING TO EXPORT TO **SOUTH AFRICA**

COMMUNICATE WITH

ROBERT CROOKS & CO., Stock Exchange Building, **Montreal.**

GENERAL IMPORTING and EXPORTING MERCHANTS.

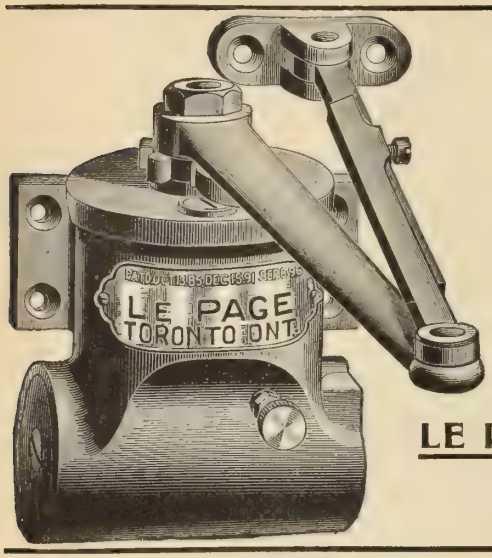
WE HAVE OUR OWN OFFICES ESTABLISHED AT

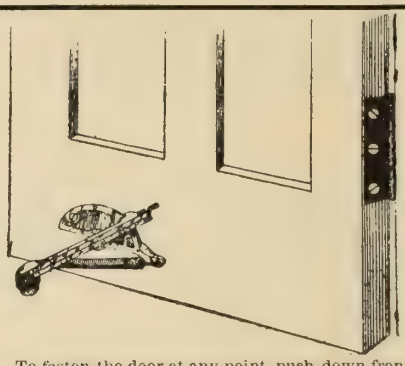
CAPE TOWN
PORT ELIZABETH
DURBAN
JOHANNESBURG

THE FOUR PRINCIPAL BUSINESS CENTRES IN **SOUTH AFRICA**

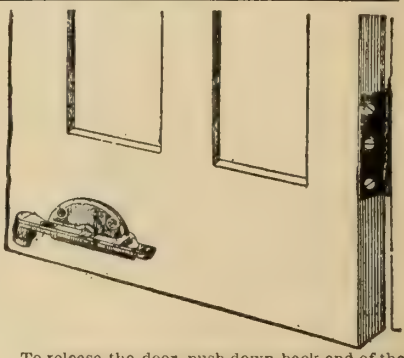
. . . OFFICES ALSO AT . . .

LIVERPOOL, LONDON } **ENGLAND** **NEW YORK, CHICAGO** } **U.S.A.**





To fasten the door at any point, push down front end of Holder with your foot as above.



To release the door, push down back end of the Holder until you bring it to a horizontal position as above.

LE PAGE'S PATENT OIL DOOR CHECKS AND SPRINGS.

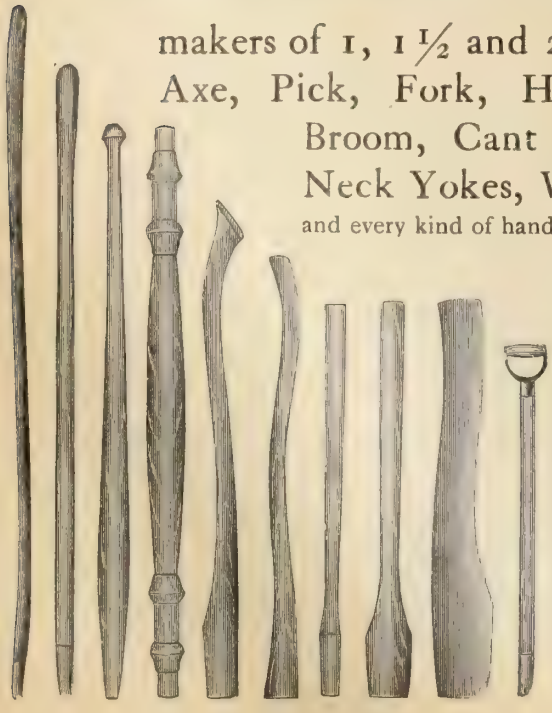
The only successful and lasting door checks and springs made. Send for catalogue.

LE PAGE DOOR CHECK MFG. CO., 1397 King St. W., Cor. Close Ave., TORONTO

Gardner Bros. & Co., Walkerville, Ont., Canada

SUCCESSORS TO

Ontario Basket Co and Essex Handle and Wood Turning Co.

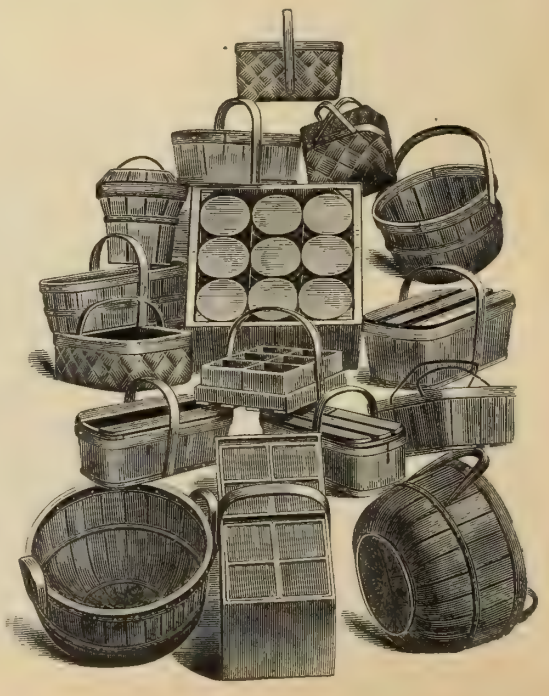


makers of 1, 1½ and 2-bushel Baskets, Axe, Pick, Fork, Hammer, Sledge, Broom, Cant Hook Handles, Neck Yokes, Whiffletrees, etc., and every kind of handle, and all kinds of wood-turning.

Our shaved pattern axe handles are made for choppers, from the best quality Hickory Butts, with the greatest possible care. If your trade demands a good handle, try them.

If your wholesaler has not got them, order direct, and if they are not right return them at our expense.

Gardner Bros. & Co.



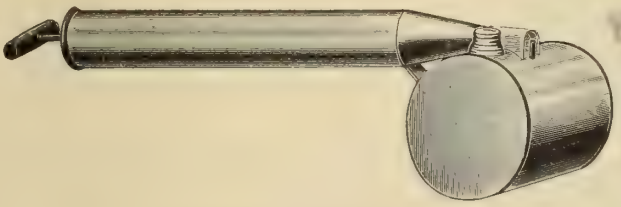
E. T. WRIGHT & CO.

HAMILTON.

MANUFACTURERS OF

Tin Ware, Bird Cages, Eavetrough and Conductor Pipe, Lanterns, etc.

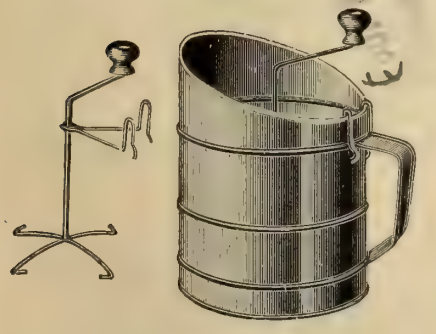
Eastern Warehouse: 424 St. Paul St., Montreal.



"Schiepe's" Patent Stove Pipe.



"Victor" Flour Sifters.



Tinsmiths' Tools and Trimmings of all kinds.

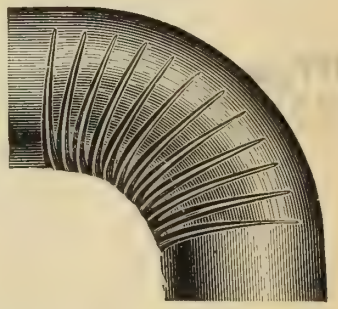
Spray Pumps.

"PATENTED"

"NONE BETTER."



"Cooper's" One-Piece Elbows.

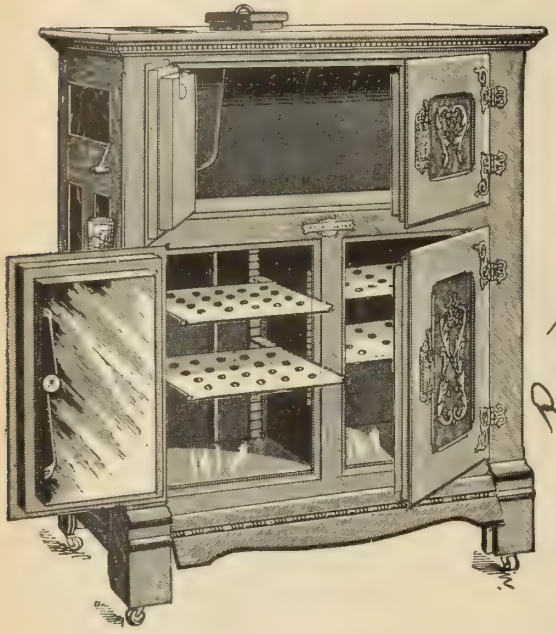


Fly Traps.
Mouse Traps.
Milk Can Trimmings.
Railroad Lanterns.
Enamelled Ware.
Metals, etc.



If you want the BEST Lantern on Earth, ask for WRIGHT'S Cold Blast.

Why Not Handle the Best Refrigerator Made?



The "Leonard Cleanable" has the kind of talking points that convince the buyer.

Note these :

1. Panels of quarter sawed oak set in a dainty frame of beaded moulding.
2. Finish, golden.
3. Has sliding shelves adjustable to any height without the aid of tools.
4. Eight walls for insulation with mineral wool filling.
5. Air-tight locks. No wood exposed inside.
6. Flues and waste pipe removable for cleaning.
7. Solid iron shelves and ice rack.
8. Self-cleaning cast iron Trap, Real bronze trimmings and Ball-bearing casters.

The "Leonard Cleanable" Refrigerator

is the best and sells better than any other.

Write for Catalogue and secure the agency. **We are Sole Canadian Agents.**

The McClary Manufacturing Co.

London, Toronto, Montreal, Winnipeg, Vancouver and St. John, N.B.

"Everything for the Tinshop."

THE SEYBOLD AND SONS CO'Y

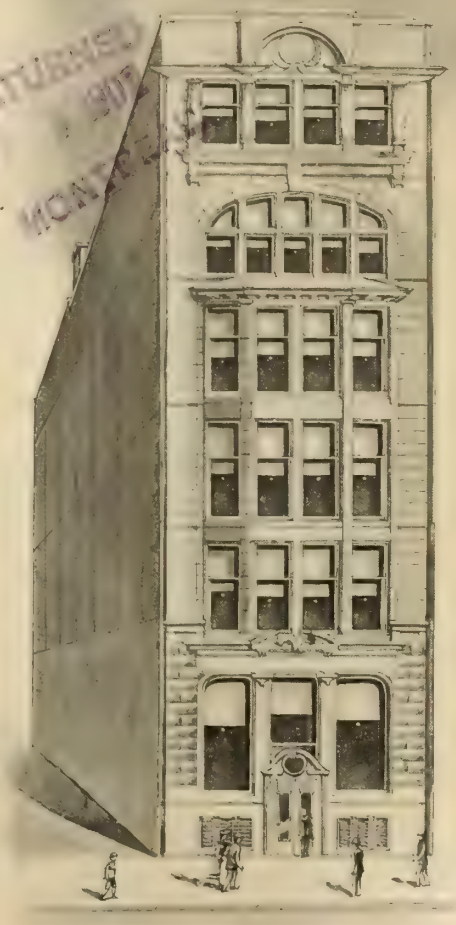
Hardware Merchants—Wholesale Only.

MAIL ORDERS SHIPPED SAME DAY AS RECEIVED.



77 D'Youville Squ.

Write For Quotations



478 St. Paul Street.

We Carry Complete Stock.

Shelf and Heavy Hardware,
Galvanized Iron, Tinned Iron,
Canada Plates, Tin Plate.

Tinsmiths' Tools a Specialty.

COME AND INSPECT OUR NEW STORE.

THE SEYBOLD AND SONS CO'Y

We Ship Quick.

MONTREAL

Agents Kearney & Foot Files.

The Toronto Silver Plate Company

LIMITED

SILVERSMITHS AND MANUFACTURERS

OF

Electro Silver Plate.

Not in the **Trust** or **Members** of any **Silverware Association** or **Combine.**



SALAD BOWLS AND SERVERS.

If you have not received a copy of our Catalogue, write for it, as it illustrates many new lines that it will pay you to have in stock.

FACTORIES AND SALESROOMS:

King Street West - Toronto, Canada

E. G. GOODERHAM, MANAGING DIRECTOR.

Artistic Hardware

LEMNOS DESIGN

(GREEK)



Knob No. 600 x 2½
Escutcheon No. 510



Knob No. 600 x 2½
Escutcheon No. 530



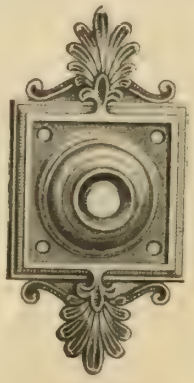
Knob No. 600 x 2½
Escutcheon No. 520



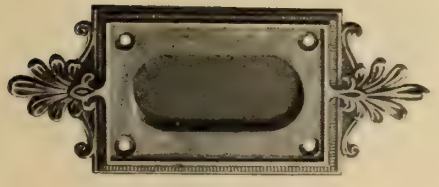
No. 60



No. 114



No. 330



No. 43



No. 1030

The above illustrate one of our many beautiful designs of House Hardware. Our line is most complete and includes the Very Newest ideas in Bronze and Brass Knobs and Escutcheons.

We are now manufacturing a complete line of Mortise Steel Locks, Knobs and Escutcheons.

The GURNEY-TILDEN CO., LIMITED **Hamilton, Canada**

CORRESPONDENCE SOLICITED

CATALOGUES FOR THE ASKING



KEMP'S COLD BLAST LANTERNS

The result of Careful Study and Experiment. **A perfect light guaranteed in any wind.**

Kemp's "Royal" Copper Tea Kettles Nickel-Plated



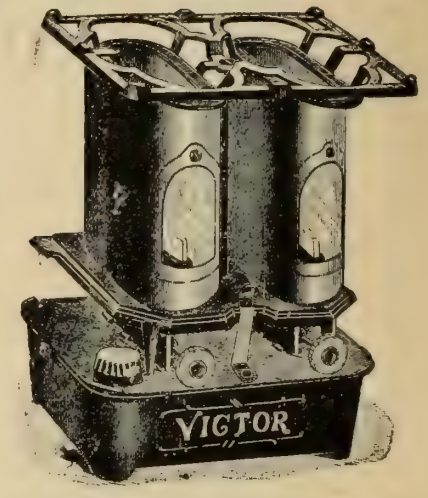
With Double-Seamed Spouts and Handle Stop on Ear. Pit and Body in one piece.

HEADQUARTERS FOR

Enameled Sheet Metal Ware.
Stamped and Pieced Tin Ware.
Copper Ware.
Sheet Steel Ware.
Galvanized Ware.
Coal Hods.
Stove Pipes.
Stove Boards.

METALS from Stock or Import.
Orders Shipped Promptly.

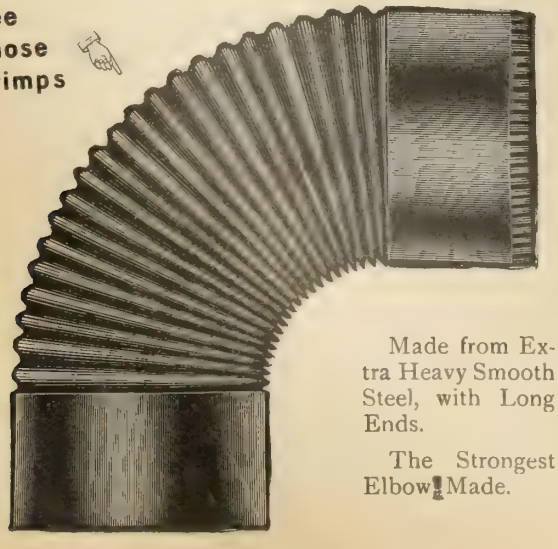
Kemp's Oil Stoves



Supplied in Iron or Tin Bottoms. In one, two, or three Burners. Extra Large Oil Font and Wick, giving larger flame and stronger heat than the ordinary lamp stove.

Kemp's One-Piece Elbows

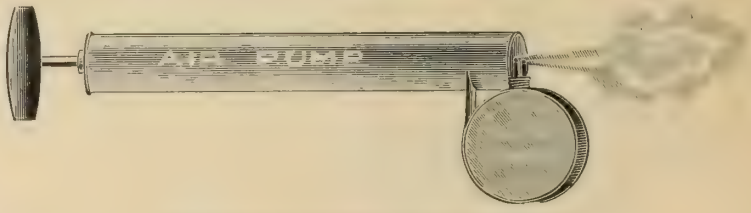
See Those Crimps



Made from Extra Heavy Smooth Steel, with Long Ends.

The Strongest Elbow Made.

Kemp's Deluge Sprayers



MADE WITH RESERVOIRS IN TIN OR COPPER.

Unexcelled for Spraying Trees, Bushes, Plants, Potatoes, Vines Interior of Henneries; also Horses, Cattle, Swine, etc.

Kemp Manfg. Co.

TORONTO, CANADA.

BUSINESS AND ITS MANAGEMENT.

AVERAGING PROFITS IN THE RETAIL STORE.



S all lines in the retail hardware store cannot bear an equal percentage of profit, it is obviously no easy task to so fix the selling price of each in order that the average profit on all shall bring the merchant sufficient remuneration for his capital invested and his labor expended.

It is generally conceded that most retail hardware stores should be able to show a gross average profit of from 25 to 30 per cent. on the total annual sales in order that all expenses and depreciations may be covered. This can only be done under the operation of a carefully thought-out system. It must be remembered that 25c. added to every dollar's worth of goods bought does not represent a profit of 25 per cent. As a rule, it will probably be found that in order to procure a profit of 25 per cent. in the neighborhood of 33 1-3 per cent. must be added to the cost.

There are occasions on which it would be desirable to sell a line of goods at almost any price in order that a customer may be found for it. But such occasions are only exceptions. As a rule, 10 per cent. is low enough for the minimum per cent. of profit. But it is obvious that the more goods that are sold at 10 per-cent. profit, the larger will have to be the percentage realized on other lines if an average profit of 25 or 30 per cent. is to be earned. And this suggests the importance of the retail merchant being at all times on the lookout for goods upon the sale of which he can secure substantial profits.

As a writer in "Hardware Store Business Methods," says, it is impossible to state on general principles just what proportion of profit each line of goods shall earn to fit individual cases, since the problem in detail is a personal one, and every merchant must be guided by the proportions of his sales in previous years to determine the exact course to pursue. Suggestions only can be made. And for this purpose we turn to the book we have just quoted.

Taking first the goods which earn from 10 to 20 per cent. gross profit, we class such lines as are very staple and competitive, as nails, barb wire, sash weights, builders' hardware under contract, and such leaders as may be thought desirable for advertising purposes.

From 20 to 25 per cent. includes a large share of sales. Such lines as machinists' tools, cordage, files, paints and generally stable goods sold in moderate quantities.

From 25 to 30 per cent. we find carpenters' tools, wooden ware, agricultural tools, shelf hardware and a variety of articles which may be classed as staple goods, but yet of such a nature as to admit of a higher rate of profit.

At 30 to 50 per cent. we come to table cutlery, pocket knives, razors, scissors and shears, plated ware, tinware, sporting goods, lamps, housekeeping sundries and newly patented specialties and novelties.

Beyond these we find some articles which sell singly for a few cents each, as various brass hooks, tacks and small articles of shelf hardware in general, which will earn a profit ranging from 50 to 75 per cent., according to circumstances.

Suppose, for example, that a retail store with annual sales of, say, $25,000 and expenses of $5,000 requires to average not less than 25 per cent. gross profit on the sales to earn a net profit of $1,250, which represents the total income of the owner.

Under ordinary circumstances the sales would be divided about as follows :

$10,000	sale at	15	per cent.	$1,500
5,000	"	20	"	1,000
4,000	"	25	"	1,000
3,000	"	40	"	1,200
3,000	"	50	"	1,500
$25,000	sales equal a profit of			$6,200

or approximately, 25 per cent. gross profit on sales.

Now, it will be apparent that if the expenses were $5,000, as stated, a slight decrease in the goods sold below and including 40 per cent. would leave nothing for the owner ; and, indeed, the goods to the amount of $3,000 which were sold at 50 per cent. more than covered his entire income and constituted his sole support.

If the sales had been so divided as to have earned a gross profit of 30 per cent. in the place of the 25 per cent. his net income would have been $2,500, or double what it was at 25 per cent. The difference between these per cents. (25 per cent. and 30 per cent.), while seemingly slight, is, therefore, in reality a matter of 100 per cent. in net income to the owner.

To illustrate the difference in net income compare this table of sales with the former example :

$5,000	sales at	15	per cent.	$750
5,000	"	20	"	1,000
5,000	"	25	"	1,250
5,000	"	40	"	2,000
5,000	"	50	"	2,500
$25,000	sales equal a profit of			$7,500

or exactly 30 per cent gross profit on the sales, netting the owner an income of $2,500, or, as stated, 100 per cent. more than the same amount of business with the same set of expenses earned at 25 per cent.

In order to secure this result it is necessary to be continually pushing forward new goods, which naturally earn a higher per cent. of profit than do staple articles.

It is also necessary to carefully discriminate between the selling qualities of goods as regarded in the light of earning capacity, without regard to their relative cost, since some lines of goods, costing, say, $8 per dozen, will only retail at 90 cents each, or 25 per cent. profit on the sales ; whereas another line of wares costing $8 per dozen will sell for $1 each, or 33 1-3 per cent. profit on the sales, which means a more than doubling of the owner's net income for the year.

It is for these reasons that the necessity of departing from the old ruts of the trade of the past and handling any class of goods which may be profitable, without regard to personal prejudices as to what constitutes the supposed limits of "straight hardware," has been so often urged upon the retailer. In fact, there are to-day no "limits" recognized by leading merchants in any line of trade.

KEEP AND USE A WANT BOOK.

A "want book" in which can be entered the goods that are already out of stock, or nearly so, is essential to every well-conducted hardware store. It is idle for anyone to think that he can keep his stock well assorted without something of the kind constantly at hand. But the utility of a "want book" is measured by the way in which it is used. If the entry is not made the moment it should be there is a possibility it will not be entered at all. And then some day it is possible a sale may be lost ; and not only a sale, but a customer as well.

PRO-RATING SHOP AND FACTORY EXPENSES.

By KENNETH FALCONER.

THE distributing or pro-rating of shop and factory expenses upon the cost of the goods produced is one of the most important accounting questions a manufacturer will be called upon to face. He may install a necessarily complicated system by which some manufacturing expenses are pro-rated on the L. & M. cost of the article produced, some on the value of productive labor, some on the number of hours used, and some on the value of a given machine, the length of time it is worked, and its probable life. On the other hand he may decide on the simpler plan of lumping everything into general expenses, and providing for such expense by a percentage on the gross direct cost of output. The days when the latter plan could be safely followed are past, and it is not every concern that could justify by the results obtained, the adoption of the former.

Before outlining any plan I would like to call attention to an important point which I think is frequently overlooked. There is a general impression that it is a safe and conservative plan to advance costs of product sufficient to cover other expenses than those incurred as a result of manufacturing. Some firms go so far as to provide for selling expenses in this way, so as to be "on the safe side." In the case of a concern manufacturing only for customers' orders and not for stock, or in the most improbable event of selling each year all product of such year, such a course, though wrong, might not be dangerous. In the case, however, of a company manufacturing and carrying stock, the danger of such a course is not limited to the question of wrong costs. It goes right through all the books, affects the balance sheet, and results in an inflated and misleading statement of the company's assets. To make this more clear, suppose an extreme case

A furniture company make up a table at a prime cost of :

Labor	$5 00
Material	5 00
	$10 00

The actual expenses incurred by the factory during manufacturing of this article are : say, 100 per cent. on productive labor, thus giving an actual cost ex-shops of :

Labor	$5 00
Material	5 00
Proportion of manufacturing expenses	5 00
Total	$15 00

Suppose the firm's expenses, other than the manufacturing, are one-half the amount of what may be correctly called manufacturing expenses. This table would be charged to stock at a value of :

Labor	$5 00
Material	5 00
Proportion of expenses	7 50
Total	$17 50

If it were sold before the end of the year, stock would be credited and sales account charged with this value, and the difference between this amount and the selling price would be the correct profit, so that the error would have no result.

If, however, it were inventoried at this figure, the assets of the company would show $17.50, composed as follows :

Material	$5 00
Wages	5 00
Actual increase in commercial value on account of expenses which would be incurred to replace table	5 00
Fictitious increase of value owing to expenses incurred in order to sell	2 50
Total	$17.50

The first three items composing this $17.50 are legitimate assets, but the folly of including the last item as an asset is evident on its face. As long as its funds held out or credit remained good, this plan liberally carried out, and the office and selling expenses figured at a high rate, any manufacturing business could be made to show a constant increase of assets, quite irrespective of either sales or profits.

The distributing of manufacturing expenses as a percentage on the L. & M. cost of an article is gradually being recognized as an improper procedure, and it is now generally admitted that the greater part, if not all of the expenses, should be distributed in proportion to the productive labor expended. Whether the amount so distributed should be as a percentage of the value of labor, or at a rate per productive hour, is not so easily determined. The advocates of each plan have strong arguments in their favor.

In the case of a concern using very expensive machines, which from their nature must lie idle a large part of the time, it would seem as though the output of such machine should bear a larger proportion of "burden" than the output of a cheaper machine being used regularly eight or ten hours per day.

Whatever plan is decided upon, it is well to remember that the value or inefficiency of any system depends largely upon its being properly introduced on a correct basis.

Inventories of manufactured stores and stock should be taken on sheets so ruled as to admit of pricing at two costs and extending two values. These sheets should show the values at the costs in use based on the old plan of pro-rating expenses, and also the value at prices obtained by taking the L. & M. cost as shown by the orders on which the articles were manufactured, and adding an advance thereto, based on the plan it shall have been determined to follow. The difference between these values must be closed out to profit and loss.

Inventory of work in progress must be adjusted on the same lines, but because of part deliveries to stores or stock on account of uncompleted orders, more work would be necessitated, and the greatest care required.

Before beginning the inventory of work in progress, the actual uncompleted orders in each shop should be compared with the unfinished orders, as shown by the office records, and any differences adjusted. A statement should then be made at costs obtained by the method in past use.

A similar statement must be made up at what would be the costs and values if the new rates had been used. The difference must then be closed out to profit and loss. If this is not done, and the rate of advance is changed without providing for a corresponding change in the values at which manufactured stores and stock stand in the books, correct cost of manufacture cannot be secured. Some manufactured stores will be charged out to the manufacturing orders at a value which includes the old rate, and some at a value including the new rate adopted.

As regards stock, if values at which it stands are not adjusted, both sales accounts and also profit on sales will be wrong.

Changing the rate of advance without changing inventory value of both stores and stock will thus render inaccurate and unreliable the records of costs ; of outputs of shops ; of cost of sales ; of profit on sales ; and at the close of the year of stores and stock on hand. The records of costs of output would be misleading as long as the stores continued to use or issue any product manufactured prior to the change ; cost of sales and profit on sales as long as any stock received from the shops before the change was charged to sales accounts, and the inventories would not be accurate until such time as every manufactured article, whether stores or stock possessed by the company prior to the change had been disposed of.

Generally speaking, all the expenses of a manufacturing company may be divided into the following classes :

A. Expenses of receiving, keeping and handling stores.

B. Expenses incurred as a direct result of manufacturing, such as superintendence, production of power, etc.

C. Expenses attributed indirectly to manufacturing at factory, rent (or its equivalent), lighting and heating, etc.

D. Expenses of receiving, keeping and handling stock.

E. Selling expenses, such as travellers' expenses, and salaries, commissions, etc.

F. Commercial and administrative expenses (many items as salaries, insurance, etc., will have to be distributed amongst these expense accounts).

A.—Expenses of receiving and handling stores should be provided for by a percentage advance on the price at which raw material is charged out and credited to stores. The amount provided in this way to be credited to an amount called "Stores Cost Advance," which should be sufficient to cover all expenses of the stores department.

B. C.—Manufacturing expenses, both direct and indirect, should be provided for by either a flat rate per productive hour, or a percentage on productive labor, as determined. The amount so obtained to be credited to an account known as "Factory Cost Advance," and the credit to this account for a given length of time should be sufficient to cover all expenses properly coming under either of these heads during such time.

D. E.—Stock-room and selling expenses are to be provided for by a percentage advance on the price at which goods are credited to stock, and charged to sales account. This amount to be credited to "Stock Cost Advance," and to be sufficient to cover all stock-room and selling expenses.

F.—All expenses other than the above are charged to profit and loss, which account is, of course, credited to the profit of sales. Sales account will thus show the difference between actual cost of goods sold and the price at which they are charged to customers, or, in other words, the actual "Profit on Sales," leaving to profit and loss account its correct function of showing the net profit or loss, as the case may be.

If this plan is adopted on a very careful estimate, based on the records of previous years, the various cost advance accounts should closely balance with the expense accounts which they are intended to cover. Any slight difference should be adjusted from time to time, not directly to profit and cost, but through an account which might be called "Cost Advance Adjustment Account," which should ultimately be closed out to profit and loss. This, for record only, in order to ascertain how much the cost advance account may exceed or fall short of the amount required to offset expenses they ought to cover. Absolutely correct rates of advance could not be expected for the first year, when they would, necessarily, be largely based on estimates.

In most manufacturing concerns advertising should be treated as a selling expense, and the correct proportion charged out from month to month, according to the time covered by the contract of payment. In certain cases it might be treated as an investment, to be credited with a percentage on the sales which it causes. This, however, comes more under the scope of an article on advertising systems than on manufacturing accounts.

In a very large concern, instead of one factory cost advance account, there should be one for each productive department, based upon the amount of product, and the expenses of each department, and a proportion of general manufacturing expenses.

CUTTING PRICES AND OVERBUYING

During the recent meeting of The Pacific Retail Hardware Association a paper was read by Oscar C. Schultze, which touched on a couple of points which should be of interest to hardwaremen everywhere. These two particular points were on cutting prices and overbuying. They were as follows:

"While I am drifting away from the topic which has been assigned to me, I cannot refrain from saying just a word in reference to cutting in prices. In the two score and five years that I have had the responsibility of managing my business, I have never allowed myself to be entrapped into a cut war. The rule to which I have adhered most persistently is to mark my goods at a just and fair profit, then if a competitor cuts under, to follow that cut where I feel warranted in doing so, in order to retain my customer, and where I feel that it is to my interest to do so; but I never cut under, for it has a two-fold danger. 1. It leaves your customer in the belief that you originally overcharged him; then it enrages your competitor, who at times loses his reason, and in a frenzy goes you one better; but if you go along in the even tenor of your way, meeting cuts that you feel to your interest to meet, saying nothing but sawing wood, your competitor does not know where to find you.

"The success of merchandising is to keep a clean stock, have no old goods and be continually getting new stock. * * * It takes an exceptionally bright buyer to steer clear of the danger of overbuying, and overbuying is a trade cancer which eats two ways—interest on the one side and deterioration on the other. It is not always gold that glitters.

"I learned a lesson 20 years ago which impressed itself firmly on my mind, and although it cost me $80, it was well worth it. One day a finely-dressed man, followed by a colored porter carrying a couple of sample cases, came into my office and unfolded a most glowing tale of a wonderful sash fastener. The price was only 10c. a set, and the retail price 25c. He would give us the entire sale of our town. The advantages were many, burglar proof, etc., he would paint signs on all the fences leading to town, bill all barns and create such a demand that we would make a big thing of it. I was one of those 'suckers' of which they tell us one is born every minute. I took the hook and he had me down for 6 gross before I could say scat. He, of course, made immediate delivery of them. They hung around for years, and I finally sold the whole lot for $5 to a street fakir. As they went out of the door, I dropped a tear of sorrow at parting with such an old friend, but said Amen, and have been ever since afraid of overbuying."



A VIEW OF HALIFAX AND ITS HARBOR.

CREDITS IN THE HARDWARE TRADE.*

By T. B. GIBSON, of Woodland, Cal.

THE subject of credits and collections is one that requires a great deal of thought from the head of every business house, for upon the judicious granting of credit and the prompt collection of bills depends the success of every business.

The best method of doing this, no doubt, has been a perplexing question to every member of this convention, and I think that the solution of the problem depends very largely upon organization and unity of action between business men generally.

AFTER-HARVEST TERM OF CREDIT.

I know of no greater good that this association can do than to establish some rule for country merchants to follow in extending credit to customers. The after-harvest term of credit, which obtains to a great extent throughout agricultural districts of this State, should be abolished, if possible, and something more of the same terms established between merchants and customers as now exist between the retailers and jobbers.

Year by year we have seen the margins on goods getting smaller, and for that reason I believe that the terms of credit should be made shorter. The trouble is that one merchant continues on the same old methods simply because his competitor in business does the same thing, and, as a result, loses a great of money which might have been saved had there been a better understanding between merchants upon the matter of granting credit and making collections. I know this to be a fact, for I have had some rather sad experiences myself in selling goods without taking the proper precautions.

CHARGING INTEREST ON OVERDUE ACCOUNTS.

I believe that a strict rule should be established that all accounts should be settled at least once a year, and a rate of interest fixed to be charged on overdue accounts. You will find quite a number of people who will object to paying interest on their overdue accounts, but they do not seem to consider that the merchants have to do the same thing, and that the money thus tied up is virtually taken out of their business and lying idle. Merchants seldom make anything by carrying an account over from one year to another, and you are more likely to retain a man's trade by insisting on a settlement each year.

It is a mistaken idea that you will get all of a man's trade simply because he owes you an account, or because you have allowed him to settle by giving you his note. One man will run an account with you with the understanding that he will pay after harvest, or at the end of the year. If at that time he finds that he cannot do so, he is willing to settle any way he can, and will go on trading with you; while, on the other hand, another man, who is perfectly good financially, will run a large account with you, and, after harvest, you will send him his bill. He will not come near you, nor offer to settle, and the next thing you will see him buying his hardware from one of your competitors and give you the go-by completely. Then you can't help but think of man's ingratitude, and will probably get a little angry and say some things that would not sound well in polite society.

AN ILLUSTRATION.

A short time ago a man whom I carried over last year, and who had not traded with me since, came into my store. When I spoke to him about his account and asked him why he had not been giving me his trade, he said as he already owed me quite a bill he did not like to make it any larger. When I asked him if he did not consider that he was under some obligation to give me his patronage, since I had accommodated him by carrying him over, he said he had never looked at it that way, but thought, perhaps, I was right about it.

VIRTUE OF A CASH BUSINESS.

It is such things as these that make a merchant long for a cash business where such unpleasant things are unknown. So I believe we should get as near a cash system as possible.

AN ATTORNEY TO LOOK AFTER CREDITS.

I believe that the merchants who do a credit business should form an organization in every town and establish rules for their own protection, and also employ a competent attorney at an annual salary, whose duty it would be to look after the financial standing, as far as possible, of the people in the community, and make a report to the organization whenever required, and also to bring suit when necessary to sue a man. Another very wise precaution is for every merchant to get the daily reports of the filings in the recorder's office, thereby keeping himself posted on the real-estate transfers, mortgages, etc. Banks very often get the advantage of the merchant by taking crop mortgages. The result is that the merchant furnishes the goods, and in the event of a small crop, it takes it all to satisfy the bank's mortgage, and the merchant loses his bill. It seems to me a very good plan, where a crop mortgage is given, to have the mortgagee stand good for what the farmer may need in putting in and harvesting his crop.

MERCHANTS SHOULD HELP EACH OTHER.

It is too often the case that the banks and landlords take everything in sight and leave the poor merchant to get what he can, which is usually nothing. This would not be so if merchants would stand together in such matters, lay aside petty jealousies, and remember that the only way to help themselves is by helping one another.

I do not suppose that where a credit business is done a plan can ever be perfected which will entail no losses whatever, but I believe that the present system, or, more properly speaking, the lack of system, which prevails to-day can be greatly improved.

* Paper read before the Pacific Retail Hardware Association.

A FEW DON'TS FOR THE OFFICE.

SHOULD you be unable to pay your accounts at the expiration of 30 days or whatever it might be, don't deduct the discount if the account is paid 10 to 30 days after the date has expired which entitled you to do so. Strictly speaking it is not honest, for indirectly you are paying a lower price for the goods than you agreed to pay. But that is not all. Your credit is impaired as well. No one can do that which is questionable and preserve a good name. And a good name is the basis of credit.

* * *

Don't try to conduct your business without printed stationery. Printed stationery has some value as an advertisement, and more is lost than gained by economy in this particular. Then it looks decidedly bad and by no means tends to improve one's credit.

* * *

Don't give a creditor a false statement when he asks you for particulars in regard to your financial standing. Aside altogether from the moral aspect of the matter there is the possibility of being called to account by the law of the land, as some have recently learned to their cost.

* * *

Don't refuse a draft unless you have positively good grounds for doing so. There is nothing next to positive dishonesty that discredits one more in the eyes of creditors. The fact that there is a slight error in the amount does not warrant rejection of the draft, for if the house that is the drawer of the draft is honorable it will rectify the error. At any rate, when it is necessary to refuse a draft, it is much better that the drawer of the same should be notified by letter, and proper explanations made than that he should first become acquainted of the fact by the document coming back to him. It is more businesslike, and it pays.

Galvanized Facts

The name **"LYSAGHT"** is a guarantee of quality and value.

"QUEEN'S HEAD" Galvanized Iron—the standard of the world for quality, durability and flatness.



Better to-day than ever, and more popular. Sales in Canada last year away ahead of all records and still increasing.

Every sheet of **"Queen's Head"** and **"Fleur de Lis"** Iron guaranteed free from any defect.

"FLEUR DE LIS" brand—a good second to "QUEEN'S HEAD."



Not a second grade, but "QUEEN'S HEAD" quality with less durable galvanizing.

Lysaght's Black Sheets, Corrugated Iron and **Poultry Netting** are also standard.

JOHN LYSAGHT, Limited, BRISTOL, ENGLAND

ESTABLISHED 1857

A. C. LESLIE & CO., MONTREAL, Managers Canadian Branch

SANDERSON'S TOOL STEEL,
CAMBRIA MERCHANT STEEL,
BAR AND HOOP IRON,
ANGLES AND STRUCTURAL STEEL,
BOILER AND TANK PLATES,
WIRE AND WIRE ROPE,
COIL CHAIN,
ANVILS AND VISES,
ETC.

IRON STEEL AND METALS

TIN PLATES AND SHEETS,
TERNE AND CANADA PLATES,
GALVANIZED CANADA PLATES,
IRON AND STEEL SHEETS,
STAMPING AND ENAMELLING SHEETS,
IMITATION RUSSIA IRON,
SHEET ZINC AND COPPER,
INGOT TIN, PIG LEAD,
ETC.

Headquarters for the best brands. Close prices for import to wholesale buyers only.

A. C. LESLIE & COMPANY, - MONTREAL

509 to 512 MERCHANTS BANK BUILDING

AGENTS:

E. D. ADAMS, HALIFAX, N.S. E. H. BISSETT, WINNIPEG, MAN. JAS. CRAWFORD, VICTORIA, B.C.

Dawson As It Is



By Henry J. Woodside

FROM a mosquito haunted muskeg in 1896, the city of Dawson has sprung up like magic, and is now a place of probably 7,000 inhabitants. It has broad wooden sidewalks, well-graded streets, an excellent system of drains and ditches, electric lights, telephone system, telegraph service south and north, and many fine buildings, two or them solid brick, and a great number of warehouses.

Lieut. Schwatka, passing down the Yukon river in 1883, notes that there is a fine stretch of hay land at the mouth of the Troandike river (now Klondike), which would make a good grazing place for cattle if the mosquitoes would not eat them up. The cattle graze on the side-hills now, and there are not as many mosquitoes in Dawson in summer as there are in the city of Chicago. The drainage system and civilization are too much for the northern bloodsuckers.

The town plot proper of Dawson was what is technically called a "nigger-head muskeg," that is a stretch of soft black muck strewn with little bristly round blocks of turf, over which a man may walk at night as freely as a drunken man walks a tight rope. It was formerly sprinkled with bushes, and along the river front grew a fringe of spruce trees. The town plot is about ten feet above the level of the river at low water. It is about a mile long, by over a quarter of a mile in width. It is bounded on the north and east by steeply sloping mountain and hillsides, on the west by the Yukon river, and on the south by the Klondike river, which comes into the Yukon at right angles from the east, from the Rocky Mountains over one hundred miles away. At the lower or northern end of the city plot, a great landslide came down the mountain, and is said to have buried a small tribe of interesting aborigines. Over that reputed grave it piled up small loose rock and gravel in high mounds and terraces, and thus made an ideal plot for dry-cellared private residences, where the wives and families of Dawson citizens may look down on the Yukon river flowing from 50 to 100 feet below their piazza.

In the rest of the city the foundations of buildings are laid in trenches six feet deep, chopped down into the eternally frozen black muck. Smaller dwellings have their foundations on the frozen soil, below the upper covering of moss. When this covering of moss is removed the sun in spring and summer thaws a considerable distance into the soil, and thus gardens are formed where wanted, although the flats of the river beds and the warm hillsides are the favorite places. The climate is so dry that gardens have to be watered or irrigated. This can be done artificially.

The Klondike river has two mouths, and between them a low island, where a large sawmill is operated. Here are several fine vegetable gardens which produce luxuriantly. Beyond or south of the branches of the Klondike river is a little town plot nestling against a high hill, called by some Klondike City, but by the pioneers here the sinister name of "Lousetown." A suspension foot bridge crosses each branch of the Klondike river near its mouth, and connects Dawson with Klondike City. The latter was ambitious to become the metropolis at one time, but there was not room enough in it for the necessary number of cabins. A cabin is usually a small unpretentious log house, with enough yard in which to cut wood and throw slops; but at one time there was such an epidemic of cabin building that no ordinary townsite could accommodate the number built here. As I stumbled around the country on the Sabbath day, for a couple of summers past, and located fresh cabins in batches everywhere I went, it was my intention to lump the probable number at ten thousand, more or less, but a more careful revision of statistics keeps the number down to about one-fourth of that figure. Fires have run over the hills, and have cleaned out groups of from 10 to 40 log cabins at a time, and although they stayed cleaned out, with their contents, yet the number did not seem to be much decreased. The log buildings of the business streets, between fires and discomfort, are making way for frame and iron structures, many of them with pretentious fronts and plate-glass windows. Some of these old three-storey log buildings cost from $40,000 to $60,000 in 1897-98. They were chiefly saloons, gambling and dance houses, and their owners expected to recoup themselves within a year in the gold swim. The heart of the city was burnt over twice, in one spot thrice, and as often has the plot been rebuilt, each time better than before.

In the gold rush of 1898 Dawson became a canvas city, and the white tents gleamed all over the flats and up the hillside. In autumn everyone who could built a cabin. As it was impossible to obtain a satisfactory title to lots in much of the plot, and lots down on the flats were held at very high figures, the cabin builders had to take to the hillside, and over its top, and up the valley of the Klondike. Ornate highly-decorated cabins, plain, common-place cabins, and delapidated, unsightly cabins or "shacks" fresco the whole upper landscape. They perch in all sorts of crannies and nooks, hanging by their eyebrows on the steep incline; they nestle at the foot of rocky cliffs, where masses of overhanging rock appear ready to wipe them out of existence; they sprinkle the narrow flats of the Klondike, and form



DAWSON—A PIONEER HOTEL.

PORTLAND CEMENTS

Best German, Belgian and English Brands.

Fire Bricks, Fire Clay
Flue Linings, Flue Covers
Drain Pipes
Scotch and Canadian Tiles
Calcined Plaster
Granite Hard Wall Plaster

Wheelbarrows
Scotch Cranes and Derricks
Cement Concrete Mixers
Garden Vases
Ornamental Chimney Tops
Mortar Stains

A full stock of Builders' and Contractors' Supplies.

WRITE FOR QUOTATIONS.

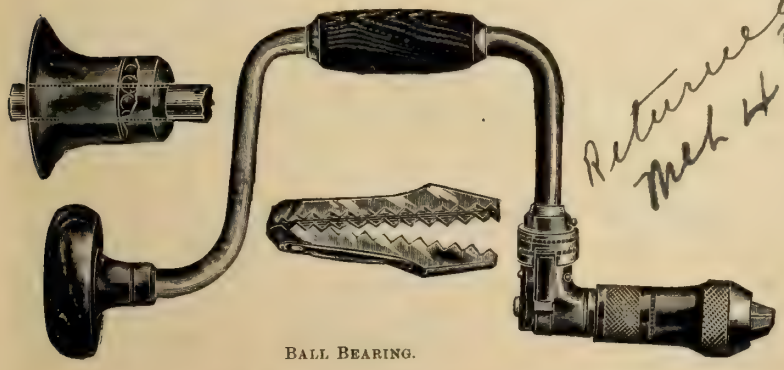
W. McNALLY & CO., - Montreal.

Established 1864. **Incorporated 1896.**

THE PARMENTER & BULLOCH CO., Limited

MANUFACTURERS OF . . .

Wire Nails, Rivets and Burrs of every character.
Countersunk Clout, Wagon Box and Hinge Nails.
Escutcheon Pins in Brass and Steel.
Carpenters' Braces of all kinds, Full Polished and Nickel Plated.
Shoe Rivets in Steel and Brass.
Patent Bifurcated or Slotted and Tubular Rivets.
Riveting Machines of all kinds.
Felloe Plates, Kettle Ears, Shoe Buckles, etc., etc.



BALL BEARING.

Returned Mch 4th 1902

Write for Illustrated Catalogue and Price List. . . . .

Discounts furnished promptly on . . application. . .

Head Office and Works:
GANANOQUE, ONT.

BRANCH WAREHOUSES:
32 and 34 St. Dizier Street, MONTREAL.
29 Melinda Street, TORONTO.

an almost solid three-deep fringe along its banks for miles, wherever the banks permit of it.

These cabins cost high in work or in cash, for suitable logs were scarce and dear. But their era has passed. Many of them are being pulled down and sold for firewood. The new houses are of wood or galvanized iron. They look roomier, cleaner and lighter than the log cabin, with its chinked crevices, its mossed and earthed roof, a tremendous weight that frequently broke down with the steady strain. There was another order of buildings, unique in their beauty and grace. That was the scow cabin, built of two sections of a scow cut across the centre. One section formed the floor and half of the walls, the other the roof and remaining half of the walls, with a little insertion in the middle to make the roof high enough for a man to walk erect under it. Then there was always, until recently, a fringe of floating palaces or cabins on scows adorning the upper water front. In springtime, after the ice had gone out, the wide bar opposite the police barracks is covered with scows that have been built at the lower end of Lake La Berge, and have been the first to arrive with loads of fresh meat, vegetables, fruits and luxuries.

It is hard to satisfy some men, but if I had the laying out of Dawson townplot and its environments, I would have raised the whole flat ten feet higher, removed the mountain to the southwest and placed it northwest, where it would not obscure the sun two hours before it sets, and remove a southern range of hills that prevent the sun from shining on the city for six weeks in December and January. With these trifling changes, Dawson's situation would be much improved. On the west side of the city the banks rise so steeply from the water that a cabin can hardly get foothold anywhere, until opposite the lower, or northern end of the city, where the western hill slopes gently down to a flat. On the slope, West Dawson, a suburb, has sprung up. It is reached by a small steam ferryboat in summer and by an ice trail in winter.

South Dawson is that portion of the city built on the Klondike banks, beginning where the river issues from the shadow of the cliffs, or golden gateway, and running west to where the Klondike joins the Yukon. It is about a quarter of a mile long and is separated from Dawson proper by the Government reserve. It is a rapidly growing district, and has quite a business of its own in all lines.

The system of schools in vogue in the Northwest is followed here. The churches have all been conducted by pastors of acknowledged ability, who are striving to keep pace with the growth of the country and to improve the moral tone of the community. This, although orderly and law-abiding, tolerates some things not seen elsewhere in Canada—open gambling and dance houses. These evils were very prominent and numerous, and are an importation from the Western States, but in future, thanks to the efficiency of the police, these will be reduced to a minimum, and another cause for stumbling on the part of our miners and citizens will cease to exist. The scarlet women, who have held the whole of a long block on Fourth avenue, have been warned to vacate, and are removing to places outside the city limits.

The city, from an original front street along the river, has successfully overflown and occupied Second and Third avenues, as well as their intersecting streets, Harper, First, Second and Third streets. Fourth avenue is not wanted for business purposes, and Fifth avenue is wanted for schools and residences. The avenues run parallel to the river and the streets from it toward the hill. Sixth avenue runs along the base of the hill.

The administration of justice in Dawson is the admiration of foreigners. Canadians are naturally proud of it, but take it as a matter of course.

There is a body of about 275 N.W.M.P. in the Yukon, of which 125 are in the upper, or White Horse division, and 150 in the Middle Yukon or Dawson division. The whole force in Yukon is commanded by Major Z. Wood, with headquarters at Dawson. A large portion of the force is scattered along the Yukon river in detachments, and along the gold creeks. There are usually about 60 men available for service in Dawson between the downtown station and headquarters. The admirable system and conduct of this force is a matter of the greatest pride to Canadians, and it is due to them that the law is so rigorously enforced against crime, so that life and property are as safe in this city as in any other in Canada. It is a wonderful contrast to the condition of mining towns in the United States.

The streets are well drained and graded, and furnished with electric lights. The streets are well drained and graded, and are furnished with electric lights. The city is provided with an excellent fire brigade of paid members, three large steam fire engines, hook-and-ladder apparatus, double chemical, etc., and, thanks to the efficiency of Chief Stewart's men, the city has escaped this year the customary conflagration of former winters. During the winter time two of the fire engines are kept housed on the river ice with steam up all the time, ready to pump as soon as the hose is laid.

The Dawson Electric Light and Power Company is growing to be a large concern under good management. It furnishes 3,000 16-candle lamps and 300 32-candle

West Dawson.



N.W.M.P., Yukon River. Third Street. Yukon River.

DAWSON—THE NEW CITY OF THE YUKON.

THE BEST METALS AT THE LOWEST PRICES

SYRACUSE BABBITT

Beats them all



WE GUARANTEE ITS QUALITY

Importers and Dealers in

Pig Tin,
Ingot Copper,
Phosphorus,
Antimony,
Zinc Spelter,
Bismuth,
Aluminum,
Nickel,
Ores,
Drosses,
and all kinds of Scrap Copper and Brass Bought and Sold.

MANUFACTURERS OF

Columbia Phosphor Tin,
Phosphor Bronze and Bronze Ingots,
Plumbers' and Canners' Solder,
Stereo, Lino and Electro Type Metals,
and all kinds of White Metal Mixtures made to order.

Used on all kinds of

Machinery Bearings,
Steamships,
Dynamos,
Saw and Shingle Mills,
Paper, Pulp,
Silk, Woolen and Cotton Mills.
Stone and Ore Crushers, and on bearings where other metals have failed to work.

Selling Agents :

THE J. H. ASHDOWN HARDWARE CO., WINNIPEG.
BOYD, BURNS & CO., VANCOUVER, B.C.
MARINE IRON WORKS, VICTORIA, B.C.
A. R. WILLIAMS MACHINERY CO., TORONTO.
H. H. FULLER & CO., HALIFAX, N.S.
LAWRENCE HARDWARE CO., NELSON, B.C.

Syracuse Smelting Works,

Office and Factory :
WILLIAM AND ST. THOMAS STS., MONTREAL.

Head Office and Works :
94 GOLD ST., NEW YORK.

No orders too large to ship. No orders too small to receive our prompt attention.

lamps for private consumers, and 78 32-candle lamps for street lighting. The company is providing electric power for machinery in the city and on the creeks. The telephone company is another well-managed concern, having 140 telephones in the city, and 26 scattered along the creeks. Captain Oleson manages both of these prosperous companies. The city is supplied with the purest cold water, pumped from a well near the confluence of the two rivers. This well was sunk to a depth of 20 feet at a venture, and struck a strata of sand and gravel free from frost. The water is pumped to the surface, and is then forced through a system of iron pipes laid along the principal streets. It is kept flowing steadily, and this, with a little artificial heat, has kept the pipes free from ice all during the severe winter, although the pipes are only laid a few inches below the surface of the ground, in wooden boxes. The hydrants are covered with small houses furnished with stoves.



DAWSON—First Mail to arrive from St. Michaels, July 6, 1900. It consisted of over 100 Sacks.

Dawson now has several up-to-date hotels. The city swarms with restaurants, as only a small half of the inhabitants keep house, except as a sleeping place. The price of standard meals remains at one dollar. There are some places where cheap meals may be had for 75 and 50 cents. Meat of all domestic kinds and poultry remain high, ranging from 40 cents to a dollar per pound. It would be still higher if it were not for the immense quantities of cariboo and moose brought down the Klondike from the foothills of the Rockies. This is sold at from 25 to 35 cents per pound. Eggs are $1 per dozen. Flour averages $5 per 50-lb. sack. Prices are very variable, and the least sign of scarcity sends the price of an article up, as for instance, flour went up last spring to $7 per sack, owing to a supposed shortage. Fresh vegetables are always dear, but an increasing quantity of them are being grown each year. The great bulk is imported, and is kept in warm storage during the winter.

Furnished rooms rent from $50 to $35 per month. There is a lack of privacy in all the hotels, owing to the thin partitions. The price of lumber, ranging about $100 per thousand feet, is responsible for this. Many rent cabins to sleep in, and get their meals at the restaurants. Spruce logs for cordwood sell at $15 per cord in eight-foot lengths, and it costs about $4 to have it cut up into stove lengths. Local coal is coming into use rapidly, and retails for $30 per ton.

The banking interests are in the hands of two strong Canadian concerns, branches of the Canadian Bank of Commerce and the Bank of British North America. These banks have sometimes as much as a couple of million dollars' worth of gold dust lying in their vaults. They are guarded at night by detachments of N.W.M.P. inside the building. In a country where such an enormous amount of machinery is used, valued at between two and three million dollars, machine shops will naturally flourish, and there are four of them equipped with large modern machinery, and a foundry. A dozen steamers lie up at Dawson, and furnish much repairing. The innumerable steam-thawing plants on the creeks furnish more.

Three or four big sawmills supply the demand for lumber, plain and dressed, and to see the succession of long rafts of sawlogs that arrive at Dawson during the season gives one the assurance that there is much good timber in the Upper Yukon and its tributaries. All the timber in the country should, as far as possible, be reserved for lumber alone. The city is well supplied with newspapers. There are the two afternoon papers, The Klondike Nugget, and The News, The Morning Journal and The Weekly Yukon Sun; also a couple of mining journals, The Yukon Mining Journal and The Record. The former is an excellent illustrated monthly journal devoted to Yukon interests alone. The Sun and Journal are Canadian, The Nugget, Canadian-American, and The News, purely American, devoted to the interests of Alaska, where it should have been located.

The aggregate amount of goods landed at the extensive system of well-built wharves fronting the city, or from scows at the bar, runs up close to ten million dollars ($10,000,000) per year, of which half comes from Canadian cities, the remainder from across the line. Some 12,000 tons come by way of Behring Sea and up the Yukon. The same quantity comes over the Pass and down the river by steamer. Scows bring about 5,000 tons more. The total tonnage landed in Dawson is about 30,000 tons.

To handle this bulk of goods some 20 small, medium and large stern-wheel steamers connect at Whitehorse with the White Pass and Yukon Railway, running inland from the Lynn Canal 110 miles, and run to Dawson 450 miles, by the Upper Yukon and Lake La Berge. Passengers and tourists get first-class accommodation. The travel for various reasons is large during the summer; the first and last boats are always crowded. On the Lower Yukon run, another 20 steamers of the largest class, some of them rivalling the big Mississippi ones, ply between St. Michael, at the mouth of the river, and Dawson. They have to bring their load over 1,200 miles against a stiff current, in a shallow and shifting channel or channels.

The number and extent of the warehouses in Dawson is a marvel to a newcomer. They number about 50, all built of corrugated iron, and will store about 50,000 tons of goods, or say the freight of 5,000 ordinary freight cars. One company, The Alaska Exploration Company, have seven, with a capacity of 10,000 tons. There is a row of warehouses on the wharves, another row on the opposite side of First avenue, and blocks of them or single ones elsewhere through the city. Every care is taken to protect them from fire, and so far they have escaped the destructive conflagrations of earlier years. The destruction of one or more of them might mean a serious shortage of provisions for the rest of the winter. There are several warm storage buildings, one of them solid brick. In these are kept the perishables and vegetables.

The trade of the city and Klondike is largely in the hands of eight big trading companies. They are McLellan, Mc-

LOOK FOR THE TRADE MARK.

THE BEST OF GOOD POWDERS

The Smokeless Powder and Ammunition Co.'s

SMOKELESS POWDER

CLEAN - SAFE - QUICK - NO JAR



SMOKELESS POWDER COMPANY LIMITED
SPORTING · RIFLE · BLASTING · MILITARY
SS SR SB SM

TRADE MARK.



LONG RANGE - PERFECT COMBUSTION

THE BEST FOR SHOT GUNS | THE BEST FOR RIFLES | THE BEST FOR REVOLVERS

USED THE WORLD OVER. NOT AFFECTED BY CLIMATIC CONDITIONS.

Manufactured at Barwick Works, Herts, by

The Smokeless Powder and Ammunition Co., Limited

LONDON, ENGLAND.

LOOK FOR THE TRADE MARK.

LEWIS BROS. & CO., Montreal.

Get Our Prices— 'twill Pay You.

SOLE AGENTS FOR CANADA.

LOOK FOR THE TRADE MARK.

RICHARD JOHNSON, CLAPHAM & MORRIS, Ld., Manchester

CABLE ADDRESS—"Metallicus," Manchester.
CODES USED—ABC, AI, Liebers and Private Code.

AND LIVERPOOL, ENG.

Manufacturers and

GALV'D SHEETS
GALV'D CANADAS
BLACK SHEET IRON
BLACK CANADAS
Range & Furnace SHEETS

MONTREAL OFFICE:
Messrs. Copland & Co.,
Imperial Buildings.



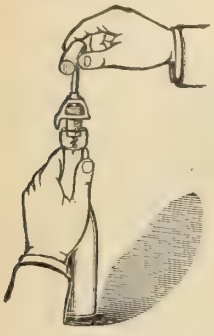
WAREHOUSE LEVER STREET

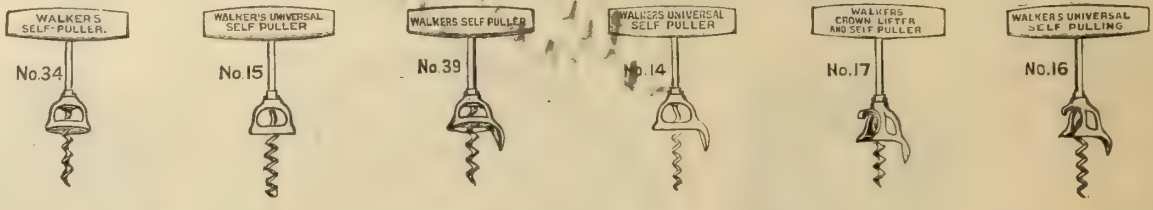
Metal Merchants

TINPLATES, TERNES
TINNED SHEETS
PIG TIN, PIG LEAD
WIRE NETTING
GALV'D BARB WIRE

HALIFAX OFFICE:
Messrs. Grant, Oxley & Co.,
68 Bedford Row.

See! You Don't Have to Pull. A Child Can Do It.





Walker's Self-Pulling Cork Screws

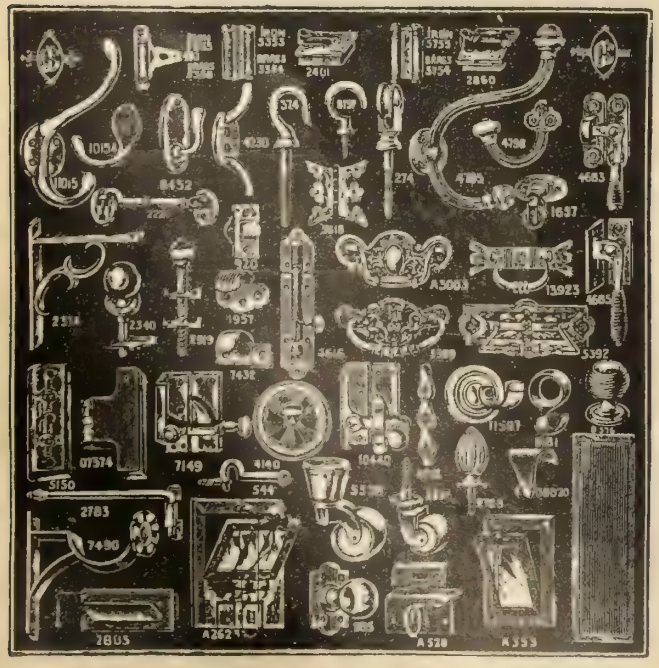
Made of Crucible Steel, Nickel Plated, Polished Apple Wood Handles.
EVERY ONE TESTED AND GUARANTEED. Several imitations on the market, but none as good
Mfrd. only by ERIE SPECIALTY CO., Erie, Pa., U.S.A.

James Cartland & Son

Manufacturers of every description of **Limited**

CABINET, BUILDERS', FURNISHING AND NAVAL BRASSFOUNDRY

BIRMINGHAM, ENGLAND.



London Showrooms: 57 Holborn Viaduct, E.C.



Australasian Hardware and Machinery.

The Organ of the Hardware, Machinery and Kindred trades of the Antipodes.

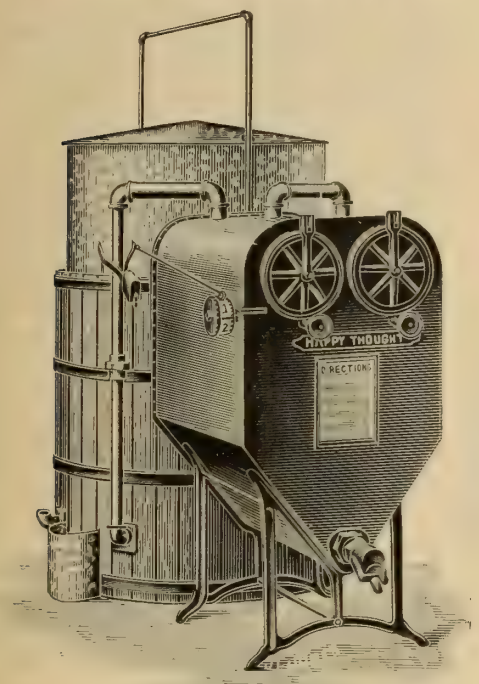
SUBSCRIPTION $1.25 PER ANNUM,

post free to any part of the world.

PUBLISHING OFFICES:
Melbourne - Fink's Buildings.
Sydney, - - - Post Office Chambers.
AMERICAN OFFICES:
New York, - Park Row Building.
BRITISH OFFICES:
London, - - - 42 Cannon St., E.C.

Specimen Copies on application.

ACETYLENE GAS



The only Machine that has stood the test.

Send for Catalogue and References.

OUR SYSTEM IS "CARBIDE TO WATER."

THE GUELPH ACETYLENE GAS CO., LIMITED

COWAN & BRITTON

GANANOQUE, ONT.

Established 1861.

Manufacturers . . .

Wrought Steel Butts, of every description.
Strap and Tee Hinges
Screw Hook Hinges
Washers
Hasps and Staples
Staples
Hooks and Staples
Nail Pullers
Nails, of every description.
Brass Yard Measures
Little Giant Tack Pullers
Every Ready Electric Lights

Goods Unsurpassed and Prices the Lowest.

ORDERS SOLICITED

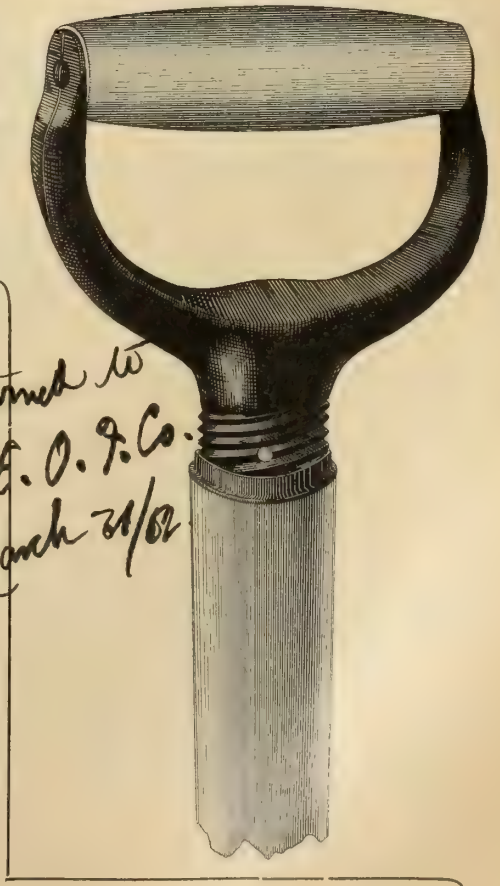
The New Pressed Steel "D" Handle

One of the most useful of recent inventions. Made in two weights. Highly finished in Black Enamel.

No. 1. Made of 20-gauge Cold Rolled Steel, will replace the Malleable **"D"** Top, being much stronger and lighter.

No. 2. Made of 16-gauge Cold Rolled Steel, will replace the old Wooden **"D"** Handle on Grain and Coal Scoops and heavy Shovels of all kinds. If you want the best, be sure the **Eclipse "D" Top** is on all your Shovels.

Ask your manufacturer to supply you with them.



The Eclipse Office Furniture Co.

OF OTTAWA, LIMITED.

Manufacturers of Steel Snow Shovels, Etc.

OTTAWA - - CANADA

Feely & Co., hardware, of Vancouver, who, I am informed did the largest business of any firm in Yukon last season: The Alaska Exploration Co., London and San Francisco, whose palatial Dawson branch netted a profit of $187,000 last season: The Trading and Exploration Co., of London; The North-American Trading and Transportation Co., of Chicago; The Alaska Commercial Co., of San Francisco; The Seattle-Yukon Trading Co., of Seattle; The Ladue Co., and The Ames Mercantile Co., of American cities. These companies in the autumn carry enormous stocks to last about nine months, or until the opening of navigation at the end of May. Many smaller Canadian firms are working up a good trade in the respective lines of dry goods and groceries, and, as elsewhere, the trade of the country will pass gradually into Canadian hands and into Canadian channels, if a sustained effort is made with that end in view by outside manufacturers and merchants. Of all the bi companies here, The Alaska Exploration Company deserves most credit, not only for its very handsome stores, but for developing coal and quartz mines. The N. A. T. and T. Co. have developed a coal mine a short distance below Dawson and have placed quite a quantity of coal on the market.

The placier gold fields within an area of 50 miles southeast of the city produced on an average $20,000,000 worth of gold per year for several years past, and the output is likely to be increased this year. There appears to be enough alluvial earth in sight to last for ten years yet, and the field is broadening. We appear also to be on the eve of great quartz development.

A very fair system of roads up the different gold-bearing creeks has already been constructed, and the programme for this year is more extensive than ever, involving the expenditure of about $200,000 in much-needed highways to open up the remoter creeks. A fine new steel bridge has been built across the Klondike, two miles above its mouth. Horses are the principal draft animals, but dogs are much used on the narrow trails. Stages run from Dawson to points along all the creeks, and the automobile has made its appearance in competition for the passenger traffic. Two well-equipped automobiles, carrying half-a-dozen passengers each, are in commission on the creek roads. Bicycles are used very extensively in and around Dawson, especially in winter time when the creek roads and trails are smooth and hard, and good time can be made over them. Regular horse stages run between Dawson and Whitehorse. They follow the ice of the Yukon much of the way, but leave it in a couple of places to make cut-offs that shorten the line greatly. Mails come and go by the same route weekly. The service has been very good this winter. Canadian newspapers are brought in by mail; the contract is for 700 pounds of letters and papers per week each day. The telegraph line now gives a through service direct to all Canadian cities. The Dominion Government deserves great credit for the way in which the country has been opened up by telegraph lines.

Building material is naturally costly, both lumber and brick. Lumber of the rough class is usually not lower than $75 per 1,000 feet. Brick are 10 cents apiece, or $100 per 1,000. A very good quality of brick is manufactured close to the city. Good lime is burnt within a few miles, so that with lime, brick, and plenty of building stone, the material is at hand for permanent dwellings and stores.

Dawson is gradually turning from an aggregation of log cabins and tents, a flaring canvas-sign mining camp, to a city of wide streets, pleasing blocks, and up-to-date conveniences of every kind. With the advent of warm, properly heated buildings, much of the terrors of the climate will disappear. As it is now, more than half the people here are living in stores and dwellings not fit to be inhabited, so far as comfort is concerned, even in the southern part of Ontario. Fortunately it is a city of almost perpetual calm, and of little rain.

Its permanency does not seem to be doubted by those shrewd financial men who so freely invest their money in various kinds of permanent enterprises on the strength of an assured future. Prices have come down in nearly all lines of clothing and furnishings, as well as in some lines of eatables, but there is still room for a big decline in that respect.

The open gambling and dance-houses which surprise eastern visitors will, in a short time, be a thing of the past. Their going is hailed with satisfaction by the best business class, as they are parasites on the miners. There will be two things still left to surprise visitors in summer. One is the perpetual daylight for a couple of months, when travel and work goes on steadily the 24 hours. The midnight sun is not visible at any time from the highest mountains near Dawson. The other is the number of dogs around the city. These spend a good deal of their time in adjusting differences that have laid over from the busy winter time.

The amusements of the city are furnished by theatres, with more or less good drama or horseplay. A good public library is partly sustained by grants from the council. A well-managed, privately owned reading-room has 1,500 members. The curling rink is well patronized by crack curlers from Ontario and the Northwest. There is a large skating rink and a couple of hockey rinks. Half-a-dozen hockey clubs maintain a contest for the championship of Yukon. St. Andrew's Night and some other special nights are celebrated by balls of great magnificence, as there are hundreds of wives, mothers and sisters here now from Canadian and American cities. The 24th of May is celebrated royally, with games and parades. The 4th of July, a compromise between the 1st or Dominion Day and the American holiday, is also celebrated in true Western style, with a parade of gorgeous floats symbolizing historical events and conditions.

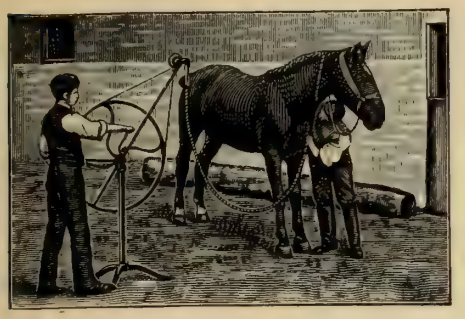
One word about advising Canadians to come to Dawson, I do not see any reason why a young man who is of an adventurous disposition should not come here rather than go across the line to United States mining camps. If he has patience, energy, and is resourceful, he should do well here. It is far better for the new comer to secure work before going out to mine on his own account. Mining, while a perfectly legitimate industry, has many blanks for the prizes. The average wage on the creeks is from $4 to $5 per day and board. Good mechanics are usually paid somewhat higher, or get $1 per hour straight, and board themselves. The Yukon Council has passed a by-law to pay its employes at the rate of at least $5 per day and board. Our friends from the United States pour in fast enough, and usually do well both at mining and commercial ventures. A man coming here to succeed should especially eschew wine, women and gambling: they are the vices of a mining camp or city. I hope to see the trade not only of Dawson but of all Yukon in the hands of Canadians before many years pass, and Canada will then be getting more value from its most northerly inhabited territory. I am satisfied as to the future. Letters should be addressed to Dawson, Yukon, Canada, not to "Dawson, Alaska."

SENSE—THEN BREVITY.

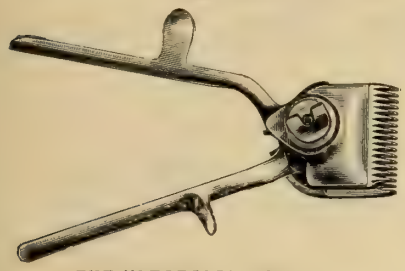
Year in and year out the student in advertising is enjoined to be brief. Almost everyone who writes about advertising makes sage observations about brevity. One person will talk of the possibility of condensing a novel into two pages, and someone else will take a column as his standard and protest that everything essential in it might have been said in one paragraph. We claim that it is possible to carry the idea of brevity too far. We have seen advertisements which were nothing but a group of disjointed sentences. On one occasion Lincoln was asked how long a man's legs ought to be. "Just long enough to reach the ground," was his reply. And so it is with an advertisement. It should be just long enough to tell a story completely.—Merck's Report.

BURMAN & SONS' CELEBRATED CLIPPERS

Established 1871. **BIRMINGHAM, ENG.** for Horsemen and Barbers.

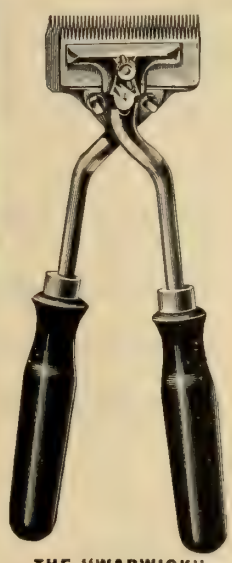


NO. 3—POWER CLIPPER, with "Wrist Joint."
As supplied to { The Czar of Russia. The King of Denmark. Earl Roberts, Etc., Etc.



THE "LEOPOLD" TOILET.

NO. 297.



THE "WARWICK" CLIPPER.
Cuts over three teeth.
As supplied to His Majesty's War Department.

SEND FOR PRICE LIST AND TERMS.

To be obtained from all the principal Jobbers throughout the Dominion.

BUTLER'S

FAMOUS

Sheffield Cutlery.

Fish and Dessert Knives; Spoons and Forks; Cabinets and Cases of Cutlery and Plate.

"BUTLER" was registered as a Trade Mark, A.D. 1768.

Sole Makers of the celebrated "CAVENDISH" brand of Table Knives and Carvers.
And Butler's "KEEN" Razors.

HIGHEST AWARDS. SPECIAL MENTION.

—Full Line of Samples and stock at—

GEORGE BUTLER & CO.'S

LONDON SHOWROOM: 62 HOLBORN VIADUCT, E.C. (Over Snow Hill Station.)

MANUFACTORY: Trinity Works, SHEFFIELD, ENG.

Ontario Tack Co., Limited

HAMILTON, ONT.

Manufacturers of . . . **WIRE NAILS** Every Kind and Description.

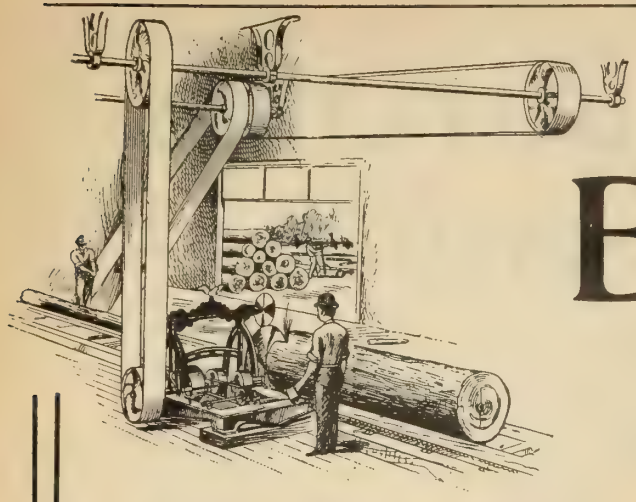
Tacks,
Shoe Nails
Shoe Rivets,
all kinds.

Wire Hay-Baling, Oiled and Annealed, Bright, etc.

Fence Staples Galvanized and Polished.

COOPER NAILS, BARREL NAILS, BASKET NAILS, STARR'S CORRUGATED STEEL FASTENERS.

Samples Sent and Prices Quoted on Application.



BELTING

FOR **Pulp, Saw and Planing Mills, Elevators, Threshers, Etc.**

Do all Belts Look alike to You ?

In some respects all belts resemble each other, but some **wear better, last longer** than others. We have already on our list of buyers a majority of leading manufacturers and dealers in Canada.

WHY ?

Not because it "Happened So," but because our goods are made on the old-fashioned principle that **it pays to make them right.** Aside the old-fashioned honesty of materials and workmanship, our goods are entirely up-to-date. In our

Hose, Packing and Valves

the same attention to materials and scrupulous care in construction applies.

Drop us a card and our traveller will call. Or
Shall we submit samples and prices for your next order ?
We know we can interest you.
We want a share of your trade and assure you best attention.

THE DURHAM RUBBER CO., LIMITED

BOWMANVILLE, ONT.

The Wholesale Hardware Trade of Halifax.

A Sketch of the Leading Firms.



A VISIT to a hardware store is not generally considered an interesting pastime. It is associated in one's mind with unattractive-looking nail-kegs, blood-thirsty looking saws, axes, and other edge tools, and shelves laden down with possibly neat and neatly arranged packages of screws, bolts, bars and other requisites, but wholly unattractive otherwise to the visitor. Of late years, however, a change has been made in this respect by many firms, and the nail-keg is relegated to the back shop, while the more attractive goods are displayed in as handsome show cases as may be found in any other line of trade. We notice this improvement in Halifax.

Halifax has always been noted for its hardware stores, and its position as a great shipping port, and the principal headquarters for the fishing business, give it unusual advantages in this respect. According to the directory, there are some fifteen hardware stores in the city, besides a number of other places where a limited line of hardware may be found. Some of these are very old institutions, having grown up with the city. Though the original founders are long since dead, and all of their names disconnected with the business, still the original firm name remains, and the business is carried on by others who came in as young men and have worked themselves up to the top of the ladder. In other cases there have been many changes, and in many instances the men dropping out only did so to open up a business of their own. In only one instance, however, do we find a firm in existence for the last 25 years without any change in the original partners.

The hardware business, too, of Halifax is peculiar. One firm makes a specialty of ship chandlery and fishing supplies; another, general shelf hardware and building materials; another, kitchen furnishings; another, cutlery; another, mill and mining supplies; another, mill and mining machinery, while all keep a general line of hardware, and all cater to both the wholesale and retail trade. No business men in the city are of greater business calibre, or more energetic and enthusiastic in their business. At the same time they are among the best of our best citizens.

BLACK BROS.

The firm of Black Bros. & Co. is probably the oldest in the city, its establishment dating back to before the year of the battle of Waterloo, the firm being then known as W. A. & S. Black. On a visit to their place of business a few days ago, we were shown a curious relic of this olden time in the shape of a "penny token," dated 1816, recalling the days when every merchant, if he chose, had his own copper coinage.

In 1855 the firm name was Black & Bros. In 1855 Mr. George J. Troop became a member of the firm and the name changed to Black Bros. & Co. In 1885 Mr. W. H. Troop became a member of the firm, and in 1892 Mr. Gilbert Troop, and the firm as now constituted consists of Hon. G. J. Troop, M.L.C., and the two sons mentioned, who have grown up in the business and are thoroughly acquainted with it in every detail.

The firm carries a full line of general hardware, but makes a specialty of fishing supplies and vessels' outfits. From the importance of Halifax as a fishing centre, the specialties mentioned have always been an extensive and somewhat profitable line of business.

Black Bros. & Co. keep two regular travellers on the road, Mr. W. P. Mahar and Mr. T. D. Graham, who cover Nova Scotia, Prince Edward Island, and a part of New Brunswick, and whose work brings to the firm a fair share of the trade.

The firm considers the business of 1901 to have been excellent, and that the prospects for 1902 seem to denote even a better trade.

GEO. E. SMITH & CO.

The firm of Geo. E. Smith & Co., known to everyone as "The Hardware Store," has one of the best locations in the city, fronting the post office. The firm was established in 1875 by Mr. Geo. E. Smith and J. E. Irish. The latter soon retired, and in 1880 Messrs. John White and James Simmonds were admitted to partnership. A. J. Grant, sr. and A. J. Grant, jr., were also connected with the firm, but retired in 1887. In 1890 Mr. White retired, and Messrs. R. H. Neal and Percy Simmonds were admitted to partnership.

In 1897 Messrs. James and Percy Simmonds retired and the business has since been conducted by Mr. Smith, who has been in the business since its establishment, and Mr. R. H. Neal. Their business is a large one, and has been built up by the persistent energy and business capacity of Mr. Smith, who has been the business man of the firm since its organization. The specialties of the firm are carriagemakers' supplies and builders' hardware, both wholesale and retail, and they are the Nova Scotia agents for the "Never Slip" horseshoe.

Two travellers, Messrs. George W. Somers and R. H. Neal look after the trade in Nova Scotia and Cape Breton, and bring in to the firm their due share of business. As to the business of 1901 and the prospects for 1902, this firm agrees with the opinions given by others—Excellent in 1901, and bright prospects for 1902.

A. M. BELL & CO.

This firm is one of the progressive ones of the city, which, with new and modern ideas and the introduction of special lines, is pushing for a foremost position in the hardware business. The firm was established by Mr. A. M. Bell in 1875, after having had 12 years' training in the hardware line, and from the outset he was remarkably successful. In 1885 he moved into the large and commodious quarters now occupied in the business portion of Water street. By following up-to-date methods and keeping pace with the march of progress, he built up and holds a large retail trade in the city, besides a wholesale business which requires four travellers constantly on the road, and a large staff of employes in his establishment. At the meeting of The Maritime Hardware Association in the summer of 1900, Mr. Bell had the honor to be elected president of the association. Since 1896 Mr. Bell has had associated with him, as a member of the firm, Mr. A. B. Wiswell, whose experience dates back to 1879.

Messrs. C. H. Northup, S. S. Wetmore, A. W. Morton and W. R. Morton are the hustling travellers of the firm who cover Nova Scotia, Prince Edward Island, Newfoundland, and a part of New Brunswick.

This firm has the special agency for Tower's oil clothing, Woolsey's copper paint, and Wood's ice tools. They make a specialty of tinware and enamelled ware. A few years ago they purchased a large stock of the latter which had been thrown on the market, and since then have probably kept the largest stock in the Maritime Provinces. Guns, ammunition and sporting goods are other lines in which they excel. A glance over their elaborate catalogue of these goods and household hardware show a variety hard to equal. Fishing supplies and general outfitting in nets, lines, twines, etc., have always been a specialty of the firm, and in these they have established a large trade, both in this Province and in Newfoundland.

The firm considers the general hardware business to have been most satis-

factory during 1901, and their own business showed a large increase over previous years. Though the outlook is not so bright at present as it has been, they look forward to a good year's trade in 1902. Progress is their watchword, and if business is going, the firm of A. M. Bell & Co. will, no doubt, get their full share if push and energy can secure it.

CRAGG BROS. & CO.

No doubt, the most attractive hardware store in the city is that of Cragg Bros. & Co., situated on Barrington street, corner of George street, facing the Parade with the City Hall to the north and Old St. Paul's to the south, a most central and desirable location. This firm



HALIFAX—A View from the Citadel, with Dartmouth in the Distance.

was established some 15 years ago by Messrs. J. R. and F. J. Cragg, but the decease of the former, two years ago, leaves Mr. F. J. Cragg sole proprietor.

The firm carries a full line of general hardware, both for retail and wholesale, but they give special attention to builders' hardware, cutlery, athletic requisites of all kinds, and their line of kitchen furnishings, imported direct from makers in Germany and France, is probably the most extensive in the city. They occupy five flats of a building of large ground area, and a tour through the various departments is an interesting one.

Their wholesale trade is extensive and increasing, and two travellers, Messrs. E. K. Puddington and Horton Covey, cover all parts of Nova Scotia.

The firm advertises itself as "The Cutlery House of Halifax." On a recent visit to their establishment Mr. Puddington gave us a glance through one of his lines of cutlery—pocket knives. This line consisted of over 150 samples—and who could not be satisfied with a choice from that number—of English and German makes, ranging in price from 60 cents per dozen to $36. Other lines in cutlery are quite as full and valuable. The firm also carries an extensive line of athletic and sporting goods for the wholesale trade.

One prominent feature with the firm is advertising. They advertise largely and systematically, using space in the city papers, and also by illustrated catalogue, which places their goods before their customers almost as plainly as if they had the samples before them.

Mr. Cragg considers the business conditions of 1901 to have been most satisfactory during 1901, and looks forward to as prosperous a year's business for 1902.

H. H. FULLER & CO.

In 1855 the late H. H. Fuller established the business now run under the name given above. The firm at present consists of Mr. W. C. Brine, who has been connected with the business for over 30 years, and for a number of years was the partner of H. H. Fuller; Mr. George H. Richards, who has been connected with the business for some 22 years, and Mr. W. H. Sterns, for some 10 years. The two latter were admitted to partnership at the opening of 1902. Mr. H. H. Fuller, who died some two years ago, was a thorough man of business, and some time before his death had the honor of an appointment to the Legislative Council of Nova Scotia. He had built up a large and prosperous business, which has since been maintained by the energy of Mr. Brine. With the younger blood recently added, no doubt the firm will have continued success.

Besides carrying a full general line of hardware, the firm makes a specialty of mill and mining supplies, giving special attention to gold-mining supplies. Other special lines with the firm are railway contractors' supplies and builders' supplies, both at wholesale and retail.

The travellers for the firm are Mr. A. W. Way and Mr. G. H. Richards, who cover Nova Scotia, Prince Edward Island, Magdalen Islands and Newfoundland.

The firm considers the business of 1901 to have been beyond the average of previous years; in fact, the volume of business was the largest in the history of hardware, but drawbacks were experienced in having orders promptly filled by the manufacturers. It is too early yet to judge fairly of the prospects for 1902, but reports from all quarters are good and prospects look bright.

AUSTEN BROS.

The firm of Austen Bros., whose location is in the central portion of Water street, has been in existence for over 25 years. The members of the firm are J. Howe Austen and Harry E. Austen, and they can boast of a continuous existence for the whole period mentioned without any change in the firm—except that the business has grown from a small beginning to one of the largest in the city.

Two travellers are kept busy by the firm, and their trips cover Nova Scotia and Prince Edward Island, and they frequently fill orders as far off as British Columbia. Their specialties are all kinds of mining and mill supplies and machinery, and railway contractors' supplies, including engines, boilers, stamp mills, water wheels, rock breakers, drills, rotary and other mills, and all kinds of woodworking machinery.

The firm believes in advertising—generally a good index of business ability—both in the local papers and by circulars, etc. On a call at their place of business we saw being put up to send out 13 different lots of blotting pads, each advertising some special article which the firm handles. The business is carried on both as wholesale and retail, and they represent in their special lines the principal firms of Great Britain, the United States and Canada.

With reference to the hardware trade of 1901 they are of the same general opinion as others—that it was extremely good, and that the prospects are extremely bright for 1902. They expect a heavy year's work as mines of various kinds are being opened up all over the country, and there will be a great amount of work opening up as soon as spring weather comes in.

R. C. HAMILTON.

NERLICH & CO.

Catalogue Now Ready.

Base Ball . . . .

A complete line of Spalding's trade-marked Balls, Bats, Mits, Masks and sundries. Some very special values in our own range of popular-priced Bats and Mits.

See our "Crown" Brand Base Ball Mits.



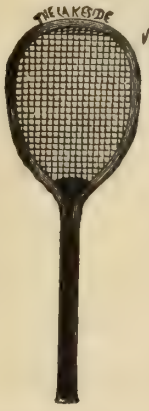






Tennis

Spalding Rackets, Ayre's Championship Balls, Practice Balls, Plain and Tarred Nets, Poles, Guy Ropes, etc.



Lacrosse

"Lally," "McBriarty," "Arapahoe" and "Maracopa" Sticks as used by leading players. Leaders in Boys' Sticks to sell at from twenty-five to seventy-five cents.

Toy Garden Sets
Sand Pails, Spades
Paper Lanterns
Flags
Hammocks
Air Rifles

WRITE FOR CATALOGUE.

NERLICH & CO.

146-148 FRONT STREET WEST
OPPOSITE UNION STATION

Toronto.

J. H. HANSON

422 and 424 St. Paul St., - - - MONTREAL.

REPRESENTING

WILLIAM BUCK STOVE CO., LIMITED
Stoves and Furnaces.

THE B. GREENING WIRE CO., LIMITED
Wire Goods of every description.

E. T. WRIGHT & CO.
Bird Cages, Lanterns, Stoves, Pipes, Elbows, and general line of Tinware.

THE ECLIPSE OFFICE FURNITURE CO., LIMITED
Snow Shovels, etc.

Also Manufacturers of
HIGH-CLASS REFRIGERATORS AND CLOSET SEATS.
CORRESPONDENCE SOLICITED.

Hill's Warranted Pure White Lead

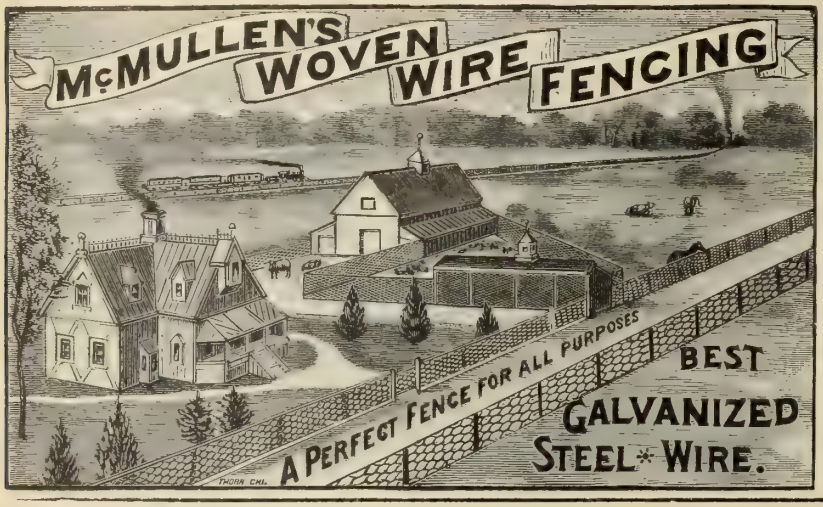
Has Great Covering Properties.

Agent for
Senour's Hard Drying Floor Paint.
Eight Nice Shades.

Eastern Depot for
Church's Cold Water Alabastine.
Now is the time to send in orders for Spring Trade.

Jellstone — A superior Kalsomine for coating Walls, Ceilings, etc.
Eight Tints and White.

WM. HILL, 327 St. James St., **Montreal**



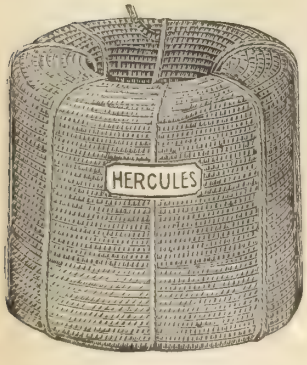
FIRST-CLASS
FARM FENCING

ONLY 30c. PER ROD.

Special Prices to Dealers.

APPLY TO . . .
THE ONTARIO WIRE FENCING CO., Limited
PICTON, ONT.

BUY THE BEST.



Star Brand Sash Cord A quality the best in the market.
Hercules Sash Cord.
Star Brand Braided and Twisted Clothes Lines.
Star Brand Cotton Rope.
Star Brand Braided Awning Cord.
Star Brand Cotton Twines.



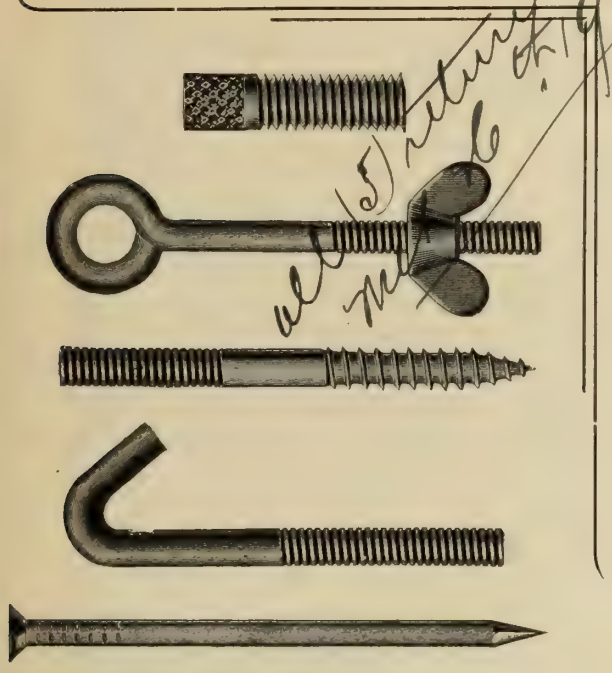
FOR SALE BY ALL WHOLESALE DEALERS



THE CANADA SCREW COMPANY

BRANCHES:
69 Bay St., TORONTO
446 and 448 St. Paul St., MONTREAL

. . HAMILTON, ONTARIO



MANUFACTURERS OF

Wood Screws, Machine Screws, Screw Eyes and Hooks, Gate Hooks and Cornice Hooks, Tire Bolts, Stove Bolts, Stove Pins, Rivets, Elevator Bolts, Stove Rods, Nuts, Burrs, Wire Nails, and kindred articles of all varieties of material, form and finish.

Bright, Annealed, Oiled and Annealed, and Coppered Wire in coils and cut to length.

Special Threaded and Bent Wire Goods.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker,

Office and Sample Room, 13 St. John Street, MONTREAL.

REPRESENTING MAKERS OF

"Comet" Galvanized Sheets.
"Comet" Galvanized Canada Plates.
"Comet" Black Tagger Plates.
"Comet" Steel Plates for Deep Stamping.
"Comet" Steel Plates for Enamelling purposes.
"Comet" Steel Sheets, C.A., C.R. and Pickled.
"Comet" Imitation Russia Sheets, Blue finish.

BRASS—Roll, Sheet, Spring, Rods, Tubes, etc.

COPPER—Bars, Sheets, Tubes, etc. Also Soldering Coppers.

BRASS CASED TUBING—Polished and Lacquered, Brazed and Close Joint.

TOBIN BRONZE—Sheets and Rods.

CHAIN—(Standard) Coil, B.B., B.B.B. Crane, Dredge, Boom, Log, Switch, Trace, Halter, Wagon, and Agricultural Implement Chain, and Chain and Ring Dogs, etc.

STEEL—(English) Tool, Sawplates, Shovel, Spring, Tyre, etc. Also File Steel.

TINPLATES—Terneplates, Canada Plates and Tinned Taggers.

IRON AND STEEL—Sheets, Plates, etc.

NORWAY IRON AND STEEL—Bars, Nail Rods, etc.

HARDWARE—All kinds of English and American Hardware, Tools, Padlocks, etc.
Casters.
Lava Enamelled and Tinned Steel Hollow-ware, Water Filters, etc.

WOOD HANDLES—Axe, Fork, Pick, Sledge, etc.—American and Canadian makes.

WHEELBARROWS—All kinds.
Store Trucks.
Washing Machines.

SPADES, SHOVELS, SCOOPS—All kinds.

—ALSO—

EARTH, MINERAL, and CHEMICAL COLORS.

INQUIRIES PROMPTLY ATTENDED TO.

Window Dressing in the Hardware Store.

SOME IDEAS AND SUGGESTIONS.



No. 1—A Display of Cutlery, Chafing Dishes, Coffee Pots, etc.

SPECIMENS OF HARDWARE TRIMS

By H. H.

HARDWARE articles are admitted to be about as difficult a line of goods to display properly as any line, and yet, when a clever trimmer makes a good, stocky, well ticketed trim of household goods, that trim never fails to attract great attention from the housewife, and always sells goods, which is the object sought after when making any kind of a window display.

As there is nothing very attractive looking about the hardware articles themselves, owing to their lacking of colors, etc., yet they can be made up into a striking and effective trim, when arranged in some novel, out of the ordinary way.

We herewith present in this number a few specimens of hardware trims from which numerous ideas can be gleaned by those whose lot it is to look after the windows. The illustration No. 1. is a very elaborate display made by a big Chicago hardware firm. While this is, perhaps, a little too elaborate for the average hardware house to attempt, yet the ideas are there from which smaller trims can be made. What man or woman could pass this beautiful display without stopping to examine and admire it? Note how almost every article or line of articles is price-ticketed. These price-tickets are the "whole thing" in any kind of a display, and without them a window is robbed of the best part of its selling force.

The following explanation of how this trim, or rather the framework of it, is gotten up may be of value to anyone interested. The background is set out about a foot from the wall. The top piece, as supported on the four columns, is just a light skeleton frame of 1 x 2-in. strips, covered with white cotton and then puffed in white cheesecloth. The columns are easily made by taking two circular pieces of wood for a top and bottom, then nail a support from centre of circular piece to the centre of other circular piece. Cover this with carpet felt paper and pleat white cheesecloth on this. There is very little weight on them, as most of the weight of the top portion is supported from the ceiling. A solid background is placed behind this, and the end space is made separate and can be lifted out so that access can be had to the window.

This solid background is covered in green baize or felt (which costs about 70 cents a yard, and is over two yards wide). Shelves covered in the same mate-

New Silverware Patterns for 1902



We are continually looking out for something new to please the ever-changing demands of the public.

Our patterns for 1902 promise to be BETTER THAN EVER, while the quality, as heretofore, is IN EVERY RESPECT THE BEST.

You are

Losing Valuable Time and Money

if you are not selling STANDARD SILVERWARE. Many other dealers are doing so, and are realizing a neat profit and pleasing their customers. The opportunity is yours also, and if you neglect it you have only yourself to blame.

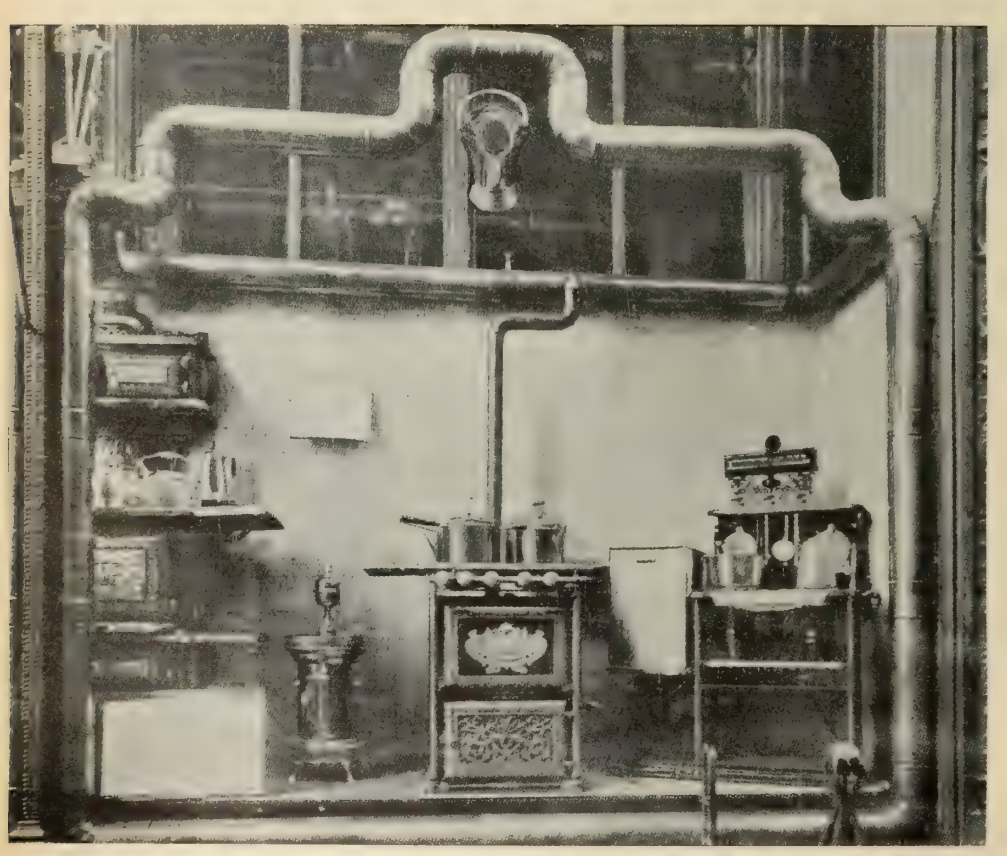
If you find any imperfect goods bearing our brand, return them at once.

WRITE FOR CATALOGUES, ETC.

Standard Silver Co., Limited

31-43 Hayter Street. TORONTO.

rial are put on this background on which to show the various articles. These shelves are supported by brackets. Black felt or baize also makes an effective backing for all hardware articles, and is preferable. Three steps, full length of window, are arranged in front of the background and covered with the same material as the background. On these can be displayed any of the small lines from the hardware or tinware stock. As very few hardware stores have the windows and the stocks of this size, the suggestion can be used for a window half the size. Half of the design could be used. A background of this kind can be constructed at a very small cost, and with frequent changes in the goods this background could remain in the window for a few weeks and yet be attractive. If electric lights were arranged around the arches it would greatly enhance the effectiveness of such a background.



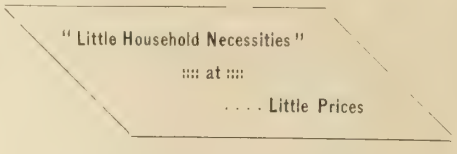
No. 2—A Display of Stoves and Stove Furniture.

No. 2 shows a neat "business-bringing" display. The beauty of this trim lies in its simplicity of design. The background in this trim is also a solid partition, covered with wall paper of a white porcelain imitation. The floor is covered with oilcloth. A few choice kitchen utensils are arranged on the stoves. The arrangement of the stovepipes as seen in the foreground is a very simple one and quite novel. This is an "out of the everyday" sort of trim and one that would strongly impress anybody in need of one or more of the articles shown.

DISPLAYING HOUSEHOLD GOODS.

By H. H.

During the dull season the following suggestion, if tried, will be found to be a paying one in nine cases out of ten, viz.: Take a lot of baskets (about 18 inches square, say), and fill each basket with a line of articles at one price. Say, for instance, you fill one with table knives, another with tack hammers, another with nutmeg graters, or egg beaters, or match safes, or soap boxes, or scissors, or pocket knives, or dog collars or screwdrivers, tack pullers, corkscrews, boxes of brass and nickel polish, etc. Arrange these in the window, side by side, and in every basket put a price and descriptive card. Have a large card arranged in a conspicuous place in the window, worded somewhat after the following :



A window display of this kind never fails to draw attention and sell goods, if this idea is properly carried out.

Housecleaning time will soon be around again, and here is a chance for the hardwareman to make a good, catchy trim of all housecleaning articles. A good window can be made from the following articles, viz., step ladders, curtain stretchers, carpet beaters, tack pullers, tack hammers, carpet sweepers, dustpans, mops, wringers, whitewash brushes, paints, kalsomines, etc. Ticket each line of articles in this window, and have a large card calling attention to your complete line of "Housecleaning Requisites."

PRICE CARDS.

By H. H.

Anyone can with very little practice become sufficiently expert in the art of printing cards to suit everyday requirements. All that is necessary is patience, perseverance and practice. White cardboard with black lettering is preferable. To make black paint, take a little "drop black" and mix it to the proper thickness with turpentine. The best kind of a brush is a sable brush—No. 3 or 4. The flat brush is preferable (one about $\frac{3}{4}$-inch long and about $\frac{1}{2}$-inch wide). Use a plain, easily-read letter or figure. Avoid all flourishing or fancy work, as it only confuses the eye and also takes up a lot of valuable time. The size of card should not be too large as it may hide up a big part of the display. The little tickets, about 3 or 4 inches square, are preferable. It is always best for the beginner to draft out in lead pencil the wording or the figures. After you have become accustomed to the formation of the letters and figures, they can be done from free hand without the aid of the pencil outlining. The first few attempts at ticket making are always discouraging, and, in most cases, a person that attempts it will "pitch it" after his first attempt. With perseverance you will be surprised at the progress you will make in this line, and it will be found very interesting and profitable work.

THE DISPLAY IN TWO WINDOWS

In a certain hardware store are two windows recently dressed. In the one, a wooden partition, about six feet high, extends the length of the window. It is about three and a half feet back from the glass. This is met by another partition at the end remote from the entrance, that forms an angle of about 60 degrees with the glass. The walls and flooring are covered with a cheap, red cloth, which makes a background. Six cross-cut saws are fastened to the first partition by nails driven into the wood. These run the length of back. On the second partition, eight handsaws are hung in two rows, four in each row, by their handles from nails in the wall. In front of the partition are four piles of cobblers' outfits for home repairing, two boxes in each pile. These piles are separated by equal spaces. In front are the contents of these same boxes, needles, threads, awls, hammers, spread neatly and evenly.

The other window is more elaborate. There are similar partitions and a similar background as in the first, but in-

THE
JOHN BOWMAN HARDWARE AND COAL COMPANY

LONDON
ONTARIO



RETURNED
AUG 13 1902

IMPORTERS
AND WHOLESALE
DEALERS IN

Hardware
Sporting Goods
Cutlery
Paints
Glass
Oils, Etc.



The John Bowman Hardware and Coal Company

stead of saws, ten even rows of sponges, all of which are about the same size, strung on cords, hung from the top to the bottom of the partition facing the front. These rows were placed at equal distances apart, and a single row, half way between the top and bottom, stretched the partition's full length. Two or three small egg crates, placed in such a way as to display their interiors to the public gaze, formed the central figure. On either side of this were two "Daisy" revolving churns. Between the churns and the end facing the entrance, a number of washboards were piled up. At the other end were three or four bird cages fastened to the wall by nails driven into the wood. S.



A Display of Tinware and Graniteware.

SAVING TIME IN WINDOW DRESSING

The work of changing a window display should be done as quickly as possible. Time is money with the window display. The longer the time occupied in dressing the window the longer is the period during which it is not attracting customers and not earning money for the firm.

A certain large department store in New York is said to value its window space at $50 a day for each window, which I should think is a moderate estimate. At any rate, whether it is moderate or not it sets one thinking about the value of the window and the necessity of utilizing it as much as possible.

Recognizing the value of the window display and the necessity of making changes as quickly as possible, it follows that the man who has charge of the work should utilize all the assistance he can. For instance, the younger men in the store can remove the goods from the window and bring those which are to take their place. They can also be trained in writing cards and doing rough carpentering work.

A Massachusetts window-decorator has an arrangement, according to a contemporary, which enables him to save time when arranging his window display. It was a long series of wood units, joined together in such a manner that the chain could be twisted and turned into arches, circles, crescents and squares of all sizes in a moment. This bendable fixture, when once adjusted, stays in position. After being arranged in the shape desired, the fixture was covered with a filling of cheesecloth or some like material. This fixture was capable of being lengthened or shortened as desired, and was practically indestructible, it costing about 10 cents a foot for 50 feet and slightly less when bought in lots of 500 ft.

A BROOM DISPLAY.

I saw a simple, yet effective, broom display the other day in a retail hardware store in Toronto. A frame, about five feet high, and running the full width of the window, was covered with a red cotton substance. To this were attached about a dozen brooms, every alternate broom being upside down. That is while the first was placed with the handle upward the next was in the reverse position. The frame to which the brooms were attached was placed in a perpendicular position, and about 18 inches or two feet from the front of the window.

In addition to the brooms attached to the frame were a few resting on the floor of the window and leaning against the window pane and the frame. E.

A STOVE DISPLAY.

A stove window I recently saw had for its central piece, about six feet back from the front, a large kitchen range, its side facing the front so as to give a view of its brightly-polished steel parts about the sides and oven. On each end or side, about five feet from the front, were two gas heaters, with plenty of nickle-plated work about them. In front of these again were two andirons with logs placed thereon.

A row of four large teakettles of graniteware, running parallel with the window glass and about four feet back, were in front of the stove. In front of these again was another group of graniteware teapots arranged in a line running the same way as the kettles. There were four teapots also in this row. In a semi-circle, surrounding these kettles and saucepans, curving towards the remote corners of the window, where the andirons and heaters were placed, was arranged a row of graniteware saucepans, the largest size in the centre of the row. These were in piles of threes, and about eight inches apart. There were seven groups of saucepans altogether. S.

TO PREVENT WINDOWS FROSTING.

Among recent suggestions for the prevention of windows frosting is the following: Place one or two electric fans in the window, directing the air current toward the glass. After they have run for an hour or two the frost will disappear and will not return so long as the fans are kept going.

The fans should be placed in opposite corners of the window, about 30 inches from the glass. After the frost is once removed a very gentle movement of the fans suffices to keep the windows clear.

A. MACPHERSON & SON

MONTREAL.

We offer hardware dealers unexcelled opportunities for securing the best to be obtained in the following lines. It will pay you to get our prices before placing your order:

Harvest Tools — Lawn Mowers
Horse Pokes — Green Wire Cloth
Spring Hinges — Paris Green
Garden Shears — Sheep Shears

"GEM" ICE CREAM FREEZERS.

Contractors' Supplies.

SHELF AND HEAVY HARDWARE.

A. MACPHERSON & SON

152 McGILL STREET,

MONTREAL.

ORIGINAL MANUFACTURERS

OF

Coiled Spring AND Frost Steel Wire Gates

BUY THE BEST.

THE—

Frost Wire Fence Company

Limited

WELLAND, ONT.

LIGHT AND HEAT



COSMOPOLITAN LAMPS.

Cosmopolitan Incandescent Gas Lamps and Mantles lead them all.

They save 40 per cent. of gas bill

Double Wire Cap Mantles are easy to adjust, and no breakage.

Every Cap Mantle carries with it a new gauze, thus practically renewing the burner.

Mantles always in stock: Cosmopolitan, Cosmo Plain, Excelsior Cap, Cosmo Leader.

These goods at manufacturers' prices. Write us for list.

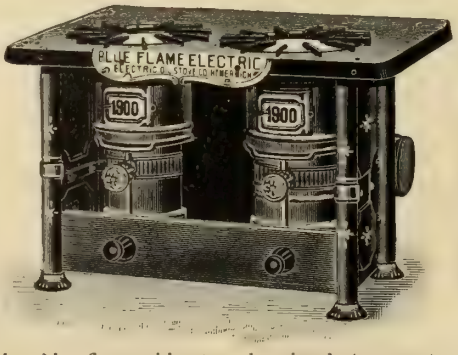
For Oil Lamps we stock the well-known

ROCHESTER LAMPS

—none better.

Large stock to choose from.

COAL OIL COOK STOVES.



Blue Flame Electric Oil Cooking Stoves.

The very thing for your summer coal oil stove trade.

The most powerful Blue Flame Stove on the market.

Burns common coal oil, giving a clear blue flame without smoke, **simple to operate and always ready.**

Cabinet form, aluminum finish, light, strong, handsome and durable. One, two or three burners.

WRITE US FOR PARTICULARS AND PRICE LIST.

THE ROCHESTER LAMP CO. OF CANADA,

24 Front St. W., TORONTO.

Ups and Downs of Travelling in the West.

A Drummer's Graphic Description.

Strive as we may, we never can
Tell who is happy, who forlorn;
The 'cutest little shoe of tan
May hide a very painful corn.



WHEN a traveller (with his grip) sallies forth on Monday morning from some eastern city, permeated with a spirit somewhat like that of the Great Alexander, seeking greater worlds to conquer, the confidence inspired by the fact that back of him stands his house, with right prices, right goods of large variety, and excellent facilities for prompt and careful shipment, coupled with a personal knowledge of his customers, and his train service, so that at the beginning of the week his plans are so well laid that he can almost account for every hour of each day till the welcome Friday that finds him on his homeward journey, satisfied with the results both financially, as well as fully utilizing the time at his disposal. His thorough knowledge of train service has enabled him to jump, or double back, sandwiching a couple of hours here, rushing a customer there, and keeping continually on the move makes him feel that he has responsibilities and troubles all his own. But transport such a one past the curves and windings of Jackfish, and over the rolling prairies of the Great West, through the marvellous defiles and tunnels of the Rockies to the Pacific Coast, and behold problems formerly unknown to him are his to solve.

Fully imbued with his Eastern spirit he goes forth to clean up Winnipeg in a day, and finds at the end thereof that he has succeeded in visiting his customers, and, if lucky, has several engagements for a couple of days hence. Worrying, fuming, growling are all to no purpose, and it is only the experience of several trips that enables him to let things come their own way.

* * *

On his eastern route, freight rates were one of the least of his troubles, but the further he journeys to the land of the "Setting Sun," the more is his knowledge of rates and classification called into use. And with a 24,000 lb. minimum weight staring him in the face, he feels like "thirty cents in Dawson."

With what planning, scheming and work he finally succeeds in "making weight," for a "straight" or "pooled" car is only known to the initiated, and the points of success are sometimes embittered by finding after all, that that unknown quantity, unsolvable problem, "Freight Classification," with its 2nd and 4ths, 3rd and 5ths, arbitraries, flat rates, etc., by some peculiar ruling, the inspector has raised his car; and the "fat's in the fire."

Then Friday night comes. He sits in a lonely hotel, shut in as it were by mountains, or, perchance, viewing the broad expanse of prairie, with the wind whistling around the place, as it knows how (when it gets busy). And while one hand may hold a fat order book, the other holds a watch that tells him were he East, he would be nearing "home," where brightness and welcome awaits him, and he calmly considers the old, old problem, "What profiteth a man."

Trains don't worry him; his eastern knowledge of train service is a lost or useless art. If he gets one train a day he has to be content; but frequently he struggles with three trains per week. If he decides to drive in British Columbia he is asked the modest sum of $8 for a 15-mile drive. Alberta asks him $5, and Manitoba, $4, while the livery barns only charge him $1 to feed oats to his team.

* * *

His hotel fare, on the whole, is exceptionally good, particularly in British Columbia, taking into consideration the newness of the country. But that the hotelmen are not there for the benefit of their health is clearly shown when considering the price charged. And the baggage transfer companies. Oh! Well, they just look you up and down, take all you have, and if you look cheerful leave you just enough to partake once only of the "oil of gladness" with a friend.

An item in a trade journal, setting forth the "Ideal Traveller," came to my notice recently, and the exemplification of the qualities it attributed to the ideal traveller were such as to make a decided acquisition to the "millenium." In manners and dress he is unostentatatious and perfection; his correspondence, orders and expenses are sent in with that punctuality and command of detail, calling forth encomiums of the highest order from the office staff; selling only those whose credits were unimpeachable, etc. But this is "ideal," and more particularly the last-named, that is "the credits." And while this is a very essential feature in a traveller's makeup, and, as a general rule, excellently developed in this portion of the globe, it is the more necessary that great care and judgment be exercised by the traveller, so that undesirable credits be not contracted. But where to draw the line is the question, as it is in my knowledge where, what appeared as the most desirable, by a turn in the wheel of fortune, became most undesirable, and on the other hand, where men have started with a hammer and tinner's snips, backed by energy and perseverance, in a few short years are more than comfortably fixed financially. The greatest difficulty, however, is the infrequency of opportunities for purchasing and the desirability of buying in such quantities so as to insure a reasonable rate of freight, and in many cases the over confidence in the future, resulting in overbuying, and a depression often cripples what otherwise would be a healthy, remunerative business. In the East a doubtful account can be handled gingerly, with careful watching as to payments, and the proximity of the markets obviates the necessity of heavy buying, particularly the swinging of a business on limited capital, but with the West, it means "whole hog or none."

On first experience, a traveller is apt to put business methods of the West down to easy-going, independent slowness, but when thoroughly in touch with his customer and requirements, he realizes that when buying a merchant has to anticipate his wants for from four to six months ahead; that unlike his eastern brother, if a line is overlooked it has to remain overlooked, as the L.C.L. rate precludes the possibility of ordering it separately, so that post card and telephone orders are an innovation not yet inaugurated, and therefore a careful consideration of all lines is not only desirable but imperative. Rushing business would be erroneous. As the "path of glory leads but to the grave," a traveller finds, as a general rule, that merchants are not looking for that "glory" obtainable through the medium of "price cutting," which invariably results in a graveyard for their hopes. Unless a line can be sold at a profit it is eschewed.

* * *

If buying is methodical, so also is stock keeping, and the general arrangement of stock is such as to make easy and economical its handling, as price of labor is no small item, and one clerk less means much in the successful handling of a business. As the freight rates have been cited as an important item to the traveller, so are they likewise to the merchant; and while, in the East, a merchant can roughly strike a cost "laid down" by a certain percentage, his Western confrere must need have his gross and net weight of each case and article, and

NOVA SCOTIA STEEL & COAL CO.

LIMITED

Manufacturers of

STEEL Tire, Sleigh Shoe, Toe Caulk, Reeled Machinery, Spring, Angles, and all sizes of Merchant Bar, also special Agricultural and other sections.

POLISHED STEEL SHAFTING From 5/8 to 3½

GUARANTEED STRAIGHT AND TRUE TO 1-500 PART OF AN INCH.

SHEETS and PLATE STEEL

FROM 12 GAUGE TO ¼ INCH THICK AND UP TO 48 INCHES WIDE.

HEAVY STEEL FORGINGS and HAMMERED SHAFTING

NOTHING REQUIRED IN CANADA TOO LARGE FOR US.

STEAM and ELECTRIC CAR AXLES FISH PLATES

SPIKES, BOLTS, AND OTHER RAILROAD MATERIAL.

STEEL TEE RAILS, 12, 18 and 28 lb. per yard.

FERRONA PIG IRON for foundry use.

OWNERS OF THE SYDNEY MINES

(formerly the property of the General Mining Association of London).

Miners and Shippers of

OLD SYDNEY COAL

STEEL WORKS: New Glasgow. BLAST FURNACE: Ferrona.

COAL SHIPPING PIER: North Sydney.

HEAD OFFICE: New Glasgow, Nova Scotia, Canada.

it is a novel experience for a traveller to have his sample thrown into a scale to arrive at an approximate cost laid down.

* * *

An editor of a paper in one of the Kootenay towns alludes to Ontario as the "Cent Belt," ironically dwelling upon the minuteness to which business transactions are carried out, and as the West have as yet nothing smaller than five cents in currency, takes the latter as an evidence of the broadness of principle on which business is transacted in his portion of the globe.

An exchange of commodities or courtesies might be effected to mutual advantages to both sides along this line, as in the first case, a little less tightness, appearing somewhat in the light of off-hand generosity, would often accomplish the desired result, as well as lessening that friction that sometimes attends business transactions, while, in the second case, a study of the eastern methods of economy would tend to lessen the leak holes attendant upon business institutions, resulting in greater profits to a concern that may already be a paying investment.

In the matter of claims for damages or defective goods, the denizen of the "five cent" region has the preference, in showing greater allowance for the rough handling in transportation, in approaching the matter with a strong desire for friendly settlement, and not sticking at trifles. And in this manner accomplishes more with his travelling man than if an arbitrary spirit was adopted.

* * *

A traveller finds his Western customer of a more sensitive nature, with regard to the man who waits on him for business, and the travelling man who is thoroughly conversant with his lines gains and retains the respect of the merchant, who looks to him for his opinion on business matters and considers him a very desirable medium through which he may keep in touch with the newest and best goods as well as the lowest prices the market affords. He also finds him of a more conservative nature, more ready to appreciate a good turn, and one with whom price is not everything, but where sentiment and past relations bear a great part, and while, in some trival or isolated cases, he may pay slightly more on account of that sentiment, yet, on the whole, he comes out ahead of that man, "who has no friends in business," whose first, last, and only qualification is "price, price, price." Owing to the nature of the country wherein the resources are confined to one particular branch of industry, the business is of a spasmodic nature, being either a feast or a famine, so that if wheat fails, then all has failed; if copper or silver drops in price, then everything is at a standstill; the latter being augumented by labor struggles from time to time. That this state of affairs will continue to exist till increased population and minor industries arise, goes without saying, but that this desirable state of affairs is coming to pass, even a causal observer cannot fail to see. Travellers cannot help but admire this Western man, with his unbounded faith in his country, and particularly his town, cannot help but appreciate his enthusiasm as he dilates on his town's merits, and also note the way he goes about obtaining that recreation and enjoyment, especially when so far removed from the big centres of civilization, and becoming to some extent imbued with the spirit of progress and hope that is something of a fascination, which once experienced can never be forgotten.

SCOTT McKERROW.

THE MANUFACTURE OF CUT TACKS.

IT is not everyone who sells cut tacks that is conversant with the manufacture of them. Most of the tacks made are from soft steel, the raw material coming in the shape of tack plates of about 14x30 inches in size, and from 14 to 17 gauge in thickness. In describing the process of manufacture in a well-known factory, a recent writer says the plates are first arranged edge up on a rack standing on a four-wheel truck, a space of about half an inch being left between the plates. The truck is wheeled into the cleaning room, containing three large wooden vats of about 500 gallons capacity each, and arranged in a semi-circle around a hydraulic crane. With the aid of the crane the rack containing the tack plates is lifted from the truck and plunged into a vat half filled with a sulphuric acid solution. This removes the hard, black oxide and exposes the white natural color of the metal. After remaining in the vat but a few minutes, the rack is lifted and again lowered into a similar vat containing pure water, after which it is finally given a bath in a steaming vat of lime water.

The rack of plates is again placed on a truck and carried up an elevator to a floor above, where the plates are sheared into lengths of 30 inches and from ¼ to 2¼ inches in width, varying with the tack or nail which is to be made.

The material is now ready for the tack machines, which are near at hand, making a cheerful din. The long metal strips are fastened one at a time by a pair of plyers attached to a long, jointed stick, and thrust through a tube which automatically feeds the metal to the cutting jaws. The tube is on a slight angle to the cutter, and is so arranged that every time the jaws open the metal is turned over. This makes a wedge-shaped slice. As the small blanks are cut from the long strips, they are held by the blunt end by a spring, which is pushed down about half an inch, allowing the blank to be gripped by dies, giving the nail or tack a more finished appearance, and leaving a small portion, just sufficient to form the head, exposed; barbs are also produced by this process. The head is formed by a hammer-like motion of one of the parts while thus clamped, and may be of any shape, according to the die used. The nail or tack is now complete as far as shape is concerned, and as the clamping dies separate, the finished product is pushed away and falls into a trough leading to a box below.

The machines repeat this operation from 270 to 450 times a minute, so that very little time is allowed for each operation.

Although finished as far as shape is concerned, there are several processes through which the tacks are obliged to pass. Leaving the machine room, the tacks are carried in boxes of about fifty pounds to the annealing ovens, where their contents are placed in pans and slowly heated; this operation requiring about thirty minutes, or until the right heat is attained. The heating does not change the color. If it is desired to blue the tacks, they are taken after annealing to other ovens having a much higher temperature, where they remain only seven or eight minutes.

If the tacks are to be tinned or coppered, they are tumbled in revolving barrels. This gives a smooth appearance and at this stage are what are known as "silver steel." Coppering is done by placing a small quantity (about twenty-five pounds) at a time in a sieve-like basket, which is suspended in a vat of blue vitriol for about a minute and occasionally shaken. The basket is then lifted out, rinsed in cold water, then in hot water, and finally emptied with a quantity of sawdust in a wooden tray, constantly agitated by machinery, where the contents are polished and dried.

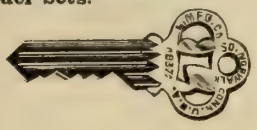
The tinned tacks are given an acid bath, in which tin is dissolved, and coated in much the same way as the coppered. Copper-plated shoe-nails, for instance, are generally electroplated in a revolving cylinder composed largely of rattan. After these different processes are completed the finished product is taken to the packing room.

The method adopted for indicating size is little understood. "In days of old," when a tack was a tack and only one kind was recognized, the different ounces designated referred to the actual weight of a paper containing 1,000. If tacks were put up in smaller packages they would be marked half or quarter weight, according to the fraction of 1,000 included. The "ounces" now refer only to the length and weight of a package of full weight tacks, but not to the number in a package.

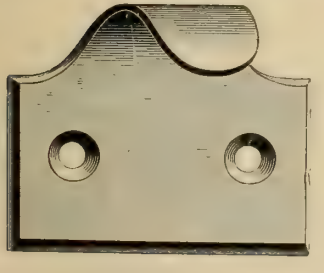
HEADQUARTERS FOR SHELF AND HEAVY HARDWARE



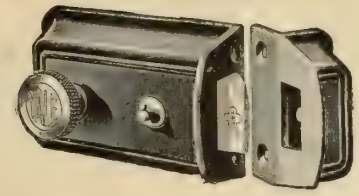
Cylinder Sets.



Ordered before **Noon,**
Shipped before **Night.**



Sash Lifts—All Sizes.

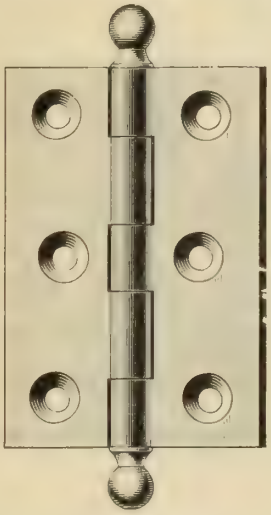


Night Latches—At All Prices.

EVERYTHING IN
BUILDERS' HARDWARE
ALL THE LATEST DESIGNS AND FINISHES.

Sash Balances, Weights, Bolts, Pulls.

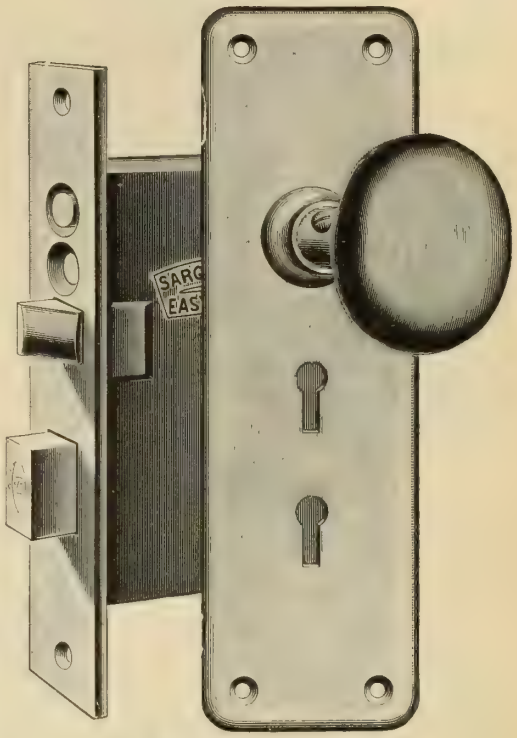
Full Supply.



Steel Butt Hinges
Fancy Butts
Spring Hinges
of every description.



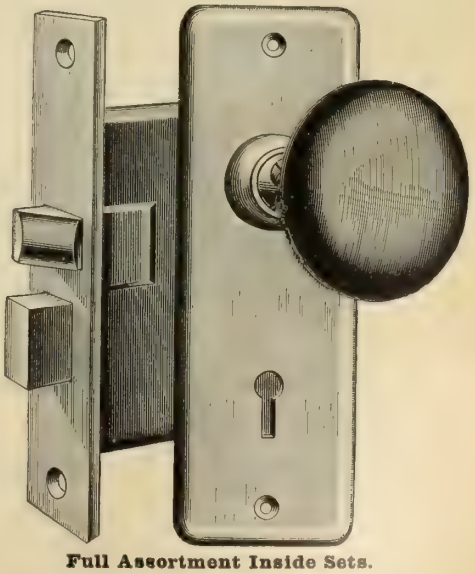
All Kinds Sash Fasts.



All Kinds Ordinary F. D. Sets.

Mail Orders Given Very Special Care

TRY US. IT WILL PAY YOU.



Full Assortment Inside Sets.

ASK FOR OUR PRICES ON FISHING TACKLE, ARMS AND AMMUNITION, ETC.

THE CANADA HARDWARE CO., Limited

SALESROOM:
10 DEBRESOLES ST.

MONTREAL.

WAREHOUSE:
43-45 COMMON ST.

SOME POINTS IN COMMERCIAL LAW.

Contracts and Partnerships.

LAW REGARDING CONTRACTS.



A BUSINESS MAN cannot be his own lawyer at all times; but it is possible for him to be so sometimes. He cannot be expected to obtain such a knowledge of the law that he will be an authority upon it in its many phases; but there are certain features of the law relating to commercial matters with which he should at least have some acquaintance. Contracts for the sale of goods, for instance, he should be well acquainted with.

The necessary requisites in regard to this particular matter depend in part at least upon the value of the goods. In case the goods concerned in the contract, for example, are

UNDER THE VALUE OF $40

there can be no sale without a tender or part payment of the money or a tender or part delivery of the goods, unless the contract is to be completed at a future time. The Canadian Lawyer illustrates this point nicely. "Thus," it says, "if A. should agree to pay so much for the goods, and B., the owner, should agree to take it, and the parties should then separate without anything further passing, this is no sale. But, if A. should tender the money, or pay but a cent of it to B., or B. should tender the goods, or should deliver any, even the smallest portion of them to A., or, if the payment or delivery, or both, should be postponed by agreement till a future day, the sale will be valid, and the property in the goods will pass from the seller to the purchaser. If, however, any act should remain to be done on the part of the seller previously to the delivery of the goods, the property will not pass to the purchaser until such act shall have been done. Thus, if goods, the weight of which is unknown, are sold by weight; or, if a given weight or measure is sold out of a larger quantity, the property will not pass to the purchaser until the price shall have been ascertained by weighing the goods in the one case, or the goods sold shall have been separated by weight or measure in the other. So, if an article be ordered to be manufactured, the property in it will not rest in the person who gave the order until it shall, with his consent, have been set apart for his benefit."

This gives in outline the law regarding the sale of goods less in value than $40. Now, with regard to the sale of

GOODS OF $40 OR UPWARDS

Section 17 of the Statute of Frauds provides "that no contract for the sale of any goods, ware and merchandise for the price of £10 sterling or upwards, shall be allowed to be good except the buyer shall accept part of the goods so sold, and actually receive the same, or give something in earnest to bind the bargain or in part payment, or that some note or memorandum in writing of the said bargain be made and signed by the parties to be charged by such contract or their agents lawfully authorized."

In the Revised Statutes of Ontario, 1897, it is provided that this enactment "shall extend to all contracts for the sale of goods of the value of $40 and upwards, notwithstanding the goods may be intended to be delivered at some future time, or may not, at the time of the contract, be actually made, procured or provided, or fit or ready for delivery, or, although some act may be requisite for the making or completing thereof, or rendering the same fit for delivery."

In Manitoba and New Brunswick the law is the same, and in Prince Edward Island, the Statute of Frauds is extended in the words of the last section to goods of the value of $30.

Provided an agreement for the sale of goods is not to be performed within the space of one year from the making there of, then, however small be the value of the goods, no action can be brought upon it, unless the agreement or some memorandum or note thereof shall be in writing and signed by the party to be charged therewith, or some other person thereunto by him lawfully authorized.

LAW REGARDING PARTNERSHIPS.

A SUMMARY of the law in regard to partnerships may, perhaps, not be uninteresting to some readers of "Hardware and Metal." A partnership, as everyone knows, is an association of two or more persons. Every person who shares in the profits of a business is a partner in the business as regards the public and third parties and is liable to such whatever may be the private stipulations and agreements between him and the parties who appear to the world as the managers of the business, because the profits form a portion of the fund on which the creditors have a right to rely for payment. A general partnership is one formed for trade or business generally without limitations. A special partnership is one in which the joint interest extends only to a particular concern. A limited partnership is one in which one or more of the partners put in a certain amount of capital which is liable for the contracts of the firm, but beyond that the party advancing is not liable.

RESPONSIBILITY TO THIRD PERSONS

does not cease after withdrawal from a firm if the name is still allowed to continue in the firm. It is important that this should be known.

ACTS OF INDIVIDUAL PARTNERS.

A partner may buy and sell partnership effects; make contracts in reference to the business of the firm; pay and receive money; draw and endorse and accept bills and notes; release ordinary partnership debts, payable on demand under seal; and all acts of such a nature, even though they be upon his own private account, will bind the other partners, if connected with matters apparently having reference to the business of the firm, and transacted with other parties ignorant of the fact that such dealings were for the particular partner's private account. So also the representation, or misrepresentation, of any fact, made in any partnership transaction by one partner, or the commission of any fraud in such transaction, will bind the entire firm, even though the other partners may have no connection with, or knowledge of the same.

A partner will bind the firm by his representations and admissions, made to others in the general course of the partnership business, but cannot bind them by deed, unless empowered by deed so to do; nor by giving guarantees, unless the giving of such is part of the regular business of the firm. He can hire clerks and workmen, but cannot discharge them against the will of the partners. In lawsuits, he may prosecute or defend an action for the firm, but if his partners object to his course they have a right to

DAVID MAXWELL & SONS

ST. MARYS, ONT., CANADA.



Steel Frame Churn.

"Maxwell Favorite Churn"

PATENTED FEATURES—Improved Steel Stand, Roller Bearings, Foot and Hand Lever Drive, Detachable Links, Bolted Trunnions.

Lawn Mowers

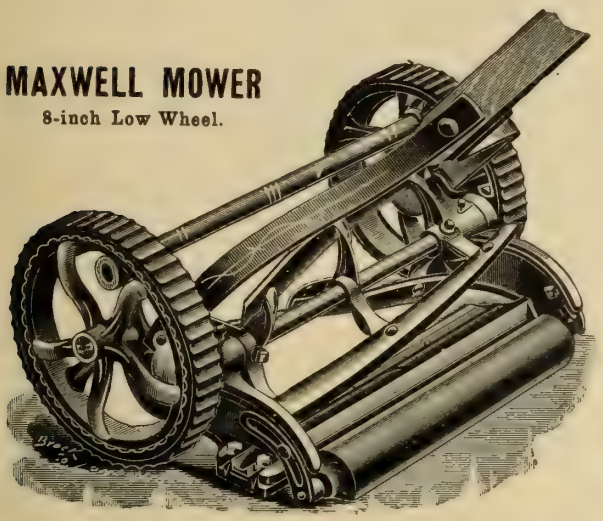
High and Low Wheels, from 12-in. to 20-in. widths. Cold Rolled Steel Shafting, Crucible Steel Knives and Cutting Plate.



Wood Frame Churn.

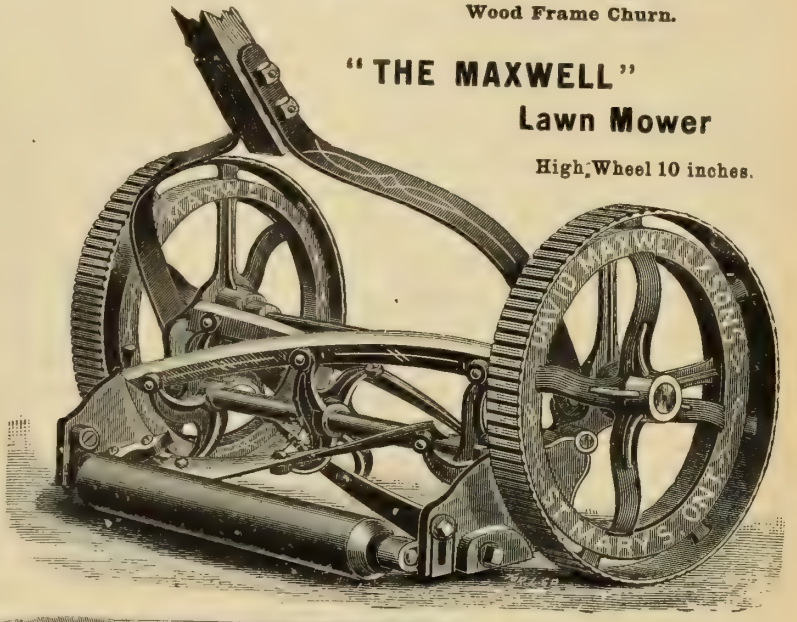
MAXWELL MOWER

8-inch Low Wheel.



"THE MAXWELL" Lawn Mower

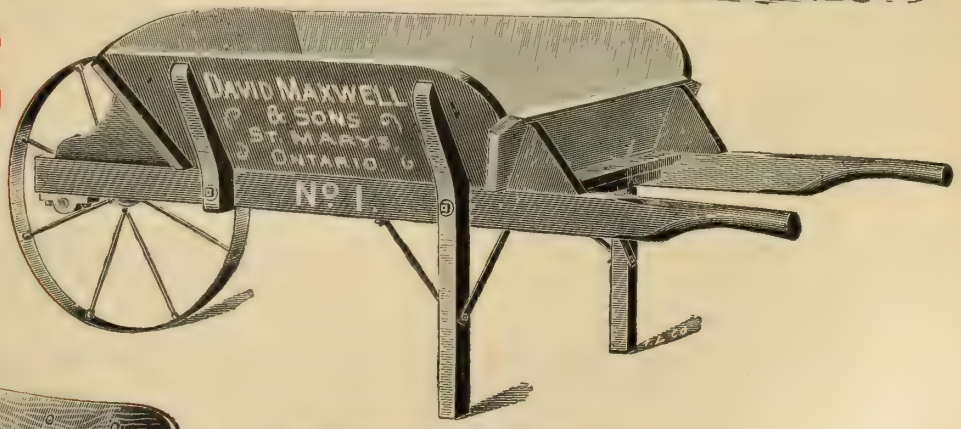
High Wheel 10 inches.



WHEELBARROWS

Navvy, General Purpose or Garden Barrows.

All styles and sizes.



No. 1—General Purpose Barrow.



Navvy Barrow—Iron or Wood Wheel.

Our Lawn Mowers, Churns and Barrows are sold by the leading wholesale firms. If your wholesale house does not handle them write us direct.

DAVID MAXWELL & SONS

ST. MARYS, ONT., CANADA

demand that he shall indemnify them against law costs.

DORMANT AND SECRET PARTNERS

whose names do not appear to the world, may be made responsible for the engagements of a trading firm of which they are members.

Persons may become clothed with the legal liabilities and responsibilities of partners as regards the public and third parties, holding themselves out to the world as partners, as well as by contracting the legal relationship of partners among themselves. If a man, therefore, allows himself to be published to the world as a member of a particular firm; if he permits his name to appear in the partnership name or to be used in the business; if he suffers it to be exhibited to the public over a shop window; or to be written or printed on invoices or bills of parcels or prospectuses; or to be published in advertisements, as the name of a member of the firm, he is an ostensible partner and is chargeable as a partner, although he is not in point of fact a partner in the concern, and has no share or interest in the profits of the business. But if a man's name is used without his knowledge or consent, and he is represented by others to be a partner without his authority or permission, he cannot, of course, be made responsible as a partner upon the strength of such false and fraudulent representation.

An incoming partner cannot be made responsible for the non performance of contracts entered into by the firm before he became an actual and reputed member of it.

Dormant and secret partners may release themselves from all further liability by a simple withdrawal and relinquishment of their share in the profit and loss of the business; but, if they are not strictly secret as well as dormant partners, notice of the termination of their connection with the copartnership must be given. A general notice is sufficient as to all but actual customers; these must have some kind of actual notice.

DISSOLUTIONS OF PARTNERSHIPS.

If no time has been limited for dissolution of a general trading partnership, it is a partnership at will, and may be dissolved at any time at the pleasure of any one or more of the partners. If the partnership was established by deed, the renunciation and disclaimer of it by the party who withdraws from the firm ought to be made by deed. But if the partnership was contracted without deed, or, as it is technically called, by parole, it may be renounced in the same manner. If the partners have agreed that the partnership shall continue for a definite period, it cannot be dissolved before the expiration of the term limited, except on the mutual consent of all the parties, or by the outlawry, felony or death of any one or more of them, or by the decree of Court of Equity.

If a partnership for a definite term has been created by deed the mutual agreement of the parties to dissolve it must be by deed also. The partnership is dissolved by the death or insolvency of one of the partners; or by an assignment by any partner of his share and interest in the business. A dissolution by one partner is a dissolution as to all.

An executor, administrator or personal representative, continuing in the business after the death of a partner, is personally responsible as partner for all debts contracted.

Immediately after a dissolution, a notice of the same should be published in the public papers, and in The Official Gazette for general information, and a special notice sent to every person who has had dealings with the firm. If these precautions be not taken, each partner will still continue liable for the acts of the others to all persons who have had no notice of the dissolution.

EMPLOYES SHARING PROFITS

In Ontario and British Columbia agreements whereby an employe receives a defined share of the net profits or proceeds of a business, in lieu of or in addition to salary or wages, do not create the relation of partnership with the rights and liabilities attending such relation. Persons advancing money by the way of loan, on similar terms, the widow and children of a deceased partner receiving a portion of the profits by way of annuity, and persons receiving a portion of such profits in consideration of the sale of the good-will of the business, are likewise similarly protected.

LIMITED PARTNERSHIPS.

In all of the Provinces limited partnerships may be formed consisting of general and special partners, the latter of whom are not liable for their debts of the partnersnip beyond the amount they contribute to the capital. The general partners only can transact the business, sign for the partnership and bind the firm. A certificate in a given form must be signed by all the partners and deposited with the registrar and prothonotary. The provision of the statutes upon these subjects should be carefully followed.

By the statute 39 Vic., cap. 8, it is enacted that all persons composing a partnership for the transaction of mercantile, mechanical, or manufacturing business, except banking and insurance, shall make and severally sign a certificate in the presence of one or more witnesses, which shall contain the name or firm of the partnership, the names and respective residences of the partners, the general nature of the business to be transacted, and the time when the partnership is to commence and terminate.

MAKING OF A PROMISSORY NOTE.

A promissory note is an unconditional promise in writing made by one person to another, signed by the maker, engaging to pay on demand or at a fixed or determinable future time a certain sum in money, to, or to the order of, a specified person, or to bearer. The person who makes the note is called the drawer or maker; the person to whom it is payable, the payee; the person endorsing it, the endorser, and he to whom the endorser transfers his interest therein by such endorsement, endorsee. The person in whose possession it is is called the holder. Minors cannot be parties to a note or bill of exchange.

A promissory note to be valid must be in writing; the promise to pay must be an absolute and not a conditional promise; it must promise to pay money; and the amount must be fixed and certain and payable at a fixed period of time or upon some event which must certainly occur. If no time is fixed in the note for its payment, it is payable on demand; if payable to a fictitious person it is payable to the bearer. If it bears no date, the time will run from the first day it can be proved by evidence the note was in existence.

A note signed by more than one person is either joint or joint and several. If two or more persons desire to become responsible so that one cannot be sued upon it without the other or others, the note should read "We jointly, but not severally, promise." If each intends to become responsible for the whole debt without any regard to any defence the others might have or subsequently acquire to resist payments, it should run thus: "We jointly and severally promise." The holder may then sue all jointly or each separately.

While no precise form of words is demanded, it is better, in order to avoid risks, to use the common forms and words, which, as reproduced from The Canadian Lawyer, are as follows:

A NEGOTIABLE NOTE.

$100. Ottawa, May 1, 1886.

Three months after date I promise to pay John Scarlett, or order, at the Bank of Montreal, Toronto, the sum of One Hundred Dollars, value received.

THOMAS ATKINS.

NOTE NOT NEGOTIABLE.

$2,000. Chatham, N.B., March 15, 1886.

Sixty days after date I promise to pay Samuel Harrison Two Thousand Dollars, value received.

HENRY TURNER.

JOINT NOTE.

$350. Annapolis, N.S., January 10, 1885.

Six months after date we jointly, but not severally, promise to pay Samuel Richards, or order, Three Hundred and Fifty Dollars.

H. THORNE.
THOMAS BARFOOT.

JOINT AND SEVERAL NOTE.

$580. London, Ont., July 4, 1885.

Thirty days after date we jointly and severally promise to pay to the order of Nathan Quigley Five Hundred and Eighty Dollars.

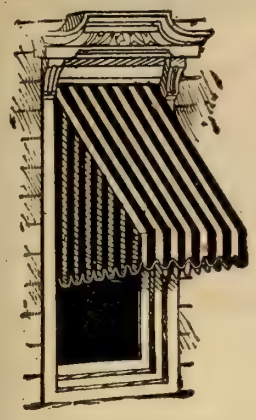
CHARLES WOOD.
IRWIN SECORD.

NOTE ON DEMAND.

$150. Winnipeg, Man., October 17, 1885.

On demand I promise to pay Edward Chase, or order, One Hundred Dollars, value received.

T. SYLVESTER.



Windsor Awning & Tent Co.

J. C. GOSS & CO.
Proprietors
WINDSOR, ONT.

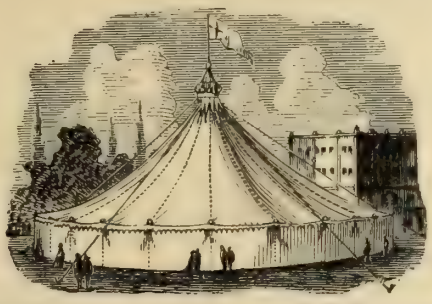
SEND FOR SAMPLES AND CATALOGUE.

We have the Latest Patterns of Awning Stripes at the Lowest Prices.

We make all kinds of

TENTS

40 Years' Experience.



"If it's Wire Work or Metal Work, tell us what you want--we can make it."



AN OPEN LETTER.

To The Hardware Trade:

We want you to act as selling agents for our manufactures. A very considerable and profitable trade can be done in lines not kept in stock. Residences, stores, churches, public buildings, factories, theatres, hotels, banks, offices, etc., require our Wire, Iron and Metal Work. Learn the requirements and supply them—at a profit. This trade belongs to you. We furnish catalogues, advertising matter, lowest trade prices and special designs, when required. Get acquainted with us—we wish to explain the proposition more fully. Awaiting the favor of an early response,

Yours, very truly,

Dennis Wire and Iron Co.

Designers and Manufacturers
Wire, Iron, Brass and Electro-Plated Work.

London, Ont.

The Silica Barytic Stone Company

Of Ontario, Limited

WALTER MILLS,
GENERAL MANAGER.

HEAD OFFICE
INGERSOLL, ONT.

Manufacturers of——

Artificial Stone Pavements

SIDEWALKS A SPECIALTY.

NOTE—We have completed contracts in 28 towns and cities and have constructed fully 225 miles of our Silica Barytic Stone Sidewalks.

CORPORATIONS will do well to consider our work before letting contracts. Nothing but the best material used. Write for further particulars.

1 SALE OF A POOR ARTICLE LOSES YOU FAVOR.

2 SALES OF A POOR ARTICLE LOSE A CUSTOMER.

3 SALES DO SERIOUS INJURY PERHAPS RUIN YOUR BUSINESS.



Can you afford to take these chances ?

No, indeed.

Do you want to keep favor ; keep your customers ; be well spoken of ; have a large business ?

Then sell

ZANZIBAR PAINTS

They will please your customers every time. We are not the kind of makers that say there are no other good paints, but we do say that **for color, service and appearance ours have no equal.**

WRITE FOR OUR "TERSE TALKS."

The Zanzibar Paint Co. LIMITED

TORONTO.

THE PAINT, OIL AND BRUSH TRADES.

HINTS ON THE CARE AND SALE OF BRUSHES.

THERE is nothing in ordinary use that requires more careful looking after than a brush ; indeed, it may be said, that unless a brush is in good condition and well taken care of, good work cannot be done. This is particularly applicable to painters and varnishers' brushes. They should never be kept in a place that is either too warm or too dry, for they are liable to shrink, and the hair will come out.

THE CARE OF BRUSHES.

To restore a brush that has thus shrunk place it in a cellar or any other moderately damp place for a short time. Many brushes have had their bristles completely destroyed because they had been used in water and newly-slacked lime. The hair of a brush also may be caused to loosen and fall out by it being placed in water or paste, for the water easily dissolves the cement with which mostly all brushes are set.

Liquid shellac is very harmful to a varnish brush, the cement or glue of the setting being dissolved by the alcohol in the liquid, causing the hair to come out.

When in use varnish brushes should be kept over night suspended in the varnish, and after using they should be thoroughly cleaned before being put away. Paint brushes, also, should be kept well cleaned. This may easily be done by washing the brush in turpentine or benzine. Lettering and striping pencils should be pointed in oil, when they are cleaned, before being put away. Kalsomine and whitewash brushes should always be washed after using, and always kept out of paints and varnishes. They are only made for cold-water paints and colors.

When brushes are being kept in a showcase, window, or drawer, to prevent their bristles being eaten by moths, they require constant watchfulness and care. Moths may be kept away by the using of camphor or camphor balls.

CARRY SMALL BUT ASSORTED STOCKS.

In these days of the electric telegraph, and steam railway a merchant need not carry a heavy stock of brushes ; the only thing that is necessary for him is to carry something of every line. When his supply runs low in any particular line it can soon be replenished. It only takes a few hours from the placing of an order till its arrival at its destination. The distance, for example, between Winnipeg and Montreal, can be covered by express in two days.

What the dealer should be most particular about is the line of goods he carries. He will find it will always pay best to purchase, if possible, his goods from some well-established and reliable house. A reputation for manufacturers' goods has probably already been gained, and at any rate they will have already had the advantage of extensive advertising. Probably they will also have been made known to the customer, and it will be all the more easy to sell them to him. Being well made and proving satisfactory in every way, a repetition of orders is insured.

WINDOW DISPLAYS.

Make a good window display of the brushes you carry. This can easily be done, either separately with them alone, or with cans of paint. Keep them always before the public in a showcase, where they may be neatly and carefully arranged. The bristles should be kept straight and be clean. Most manufacturers will replace brushes that have become soiled through being shown in a window.

The stock should be suitable to the season. In the spring the demand is mostly for painters' and housecleaners' brushes ; in the summer, for sorting-up lines, and in the fall, for horse and dandruff brushes, and similar lines.

Advantage should be taken of these facts in making window and showcase displays and keeping up the stock.

CANADA'S IMPORTS OF PAINTS AND OILS.

PAINT dealers in Canada annually import about $2,000,000 worth of such goods as paints and colors, varnishes, linsced oil, turpentine and glue. This will be gathered from a glance at the following table giving in values the imports for the past three years :

IMPORTS IN VALUES.

	1901.	1900.	1899.
Paints and colors	$794,478	951,691	791,010
Varnishes, lacquers, japans, etc	116,625	86,763	85,165
Turpentine	309,339	359,675	228,995
Linseed oil	441,048	479,277	328,487
Glue, powdered and sheet	168,489	140,931	145,307
Glue, liquid	19,758	21,059	18,098
	$1,849,737	$2,039,396	$1,597,062

The following table gives the imports more in detail. The figures are for quantities except in one or two instances, in which the official trade returns only furnish values :

IMPORTS IN QUANTITIES.

	1901.	1900.	1899.
Colors, dry, lb	990,831	1,275,281	1,216,462
Colors and paints, pulped or ground in oil or other liquids, lb	2,139,225	1,987,202	1,497,370
Dry white and red lead, orange mineral and zinc white, lb	10,307,548	14,859,143	14,378,909
Ochre, ochrey earths and raw siennas	805,509	1,099,042	1,088,181
Oxides, fireproofs, umbers and burnt siennas, lb	1,270,278	1,431,911	1,347,818
Paints, ground or mixed in or with either japan, varnish, lacquers, liquid dryers, collodion, oil finish or oil varish, lb	56,766	40,154	70,461
Paints and colors and rough stuff and fillers, anti-corrosive and anti-fouling paints commonly used for ships' hulls, lb	250,972	96,296	83,603
Paris green, dry, lb	323,583	308,523	204,137
Paints and colors ground in spirits, and all spirit varnishes and lacquers, lb	457	504	441
Putty, lb	238,996	406,623	332,536
Brocade and bronze powders and liquid gold paint	$32,680	$27,223	$29,489
Blanc fixe and satin white, lb	146,989	164,133	154,200
Lamp black and ivory black, lb	363,726	376,539	379,291
Varnishes, lacquers, japans, japan dryers, liquid dryers and oil finish, gals	68,142	52,001	49,854
Turpentine, spirits of, gals	809,037	725,328	607,090
Linseed, raw or boiled, gal	778,982	1,044,972	1,032,308
Glue, powdered or sheet, lb	1,920,991	1,616,805	1,725,751

FROM CHEMICALS TO COLOR.

By C. G. H.



WHEN a customer enters a hardware store and pays 40 or 50 cents for a quart of ready mixed paint he troubles himself very little with the thought of how the paint was made, or what ingredients entered into its composition. Nor is the average hardware merchant himself very well acquainted with the interior workings of our immense paint factories, or with the details of the manufacture of these goods, which are among the most important items of his business.

In olden times buyers came from all parts of the country into the market several times a year, and thus had frequent opportunities of paying personal visits to the paint and other factories which supplied them with their requirements. But this has all been changed. The noble army of travellers, scouring the whole country for business at frequent intervals, has rendered it unnecessary for the merchant to leave home to make his purchases, and the paint manufacturers have no longer the pleasure of showing them about the works. That it was a genuine pleasure to do so cannot be doubted.

The fact that merchants do not trouble themselves to visit the factories does not necessarily imply that they are not interested in the workings or management of such places. Indeed, to take a trip through a large paint factory, accompanied by a guide who can explain the ins and outs of everything one sees, will prove so entertaining and instructive as to remain very long in one's memory. Having decided that an account of such a trip would be of interest to readers of "Hardware and Metal," it was next in order to select some factory which would be large enough to afford the inspection of all the newest machinery and most modern methods. I decided on The Canada Paint Company's works at Montreal. The finding of a guide was easy, for Mr. W. H. Evans, notwithstanding the fact that he is an exceedingly busy man, with his usual genialty, offered to conduct me.

We first of all went to a building some distance from the main works, where the different chemicals which constitute the bases of the various paints are received from abroad. In what is called the chemical room are kept barrels of these different paint fundamentals, blue vitriol, orange lead, nitrate of lead, eosine, which is the base of vermilion, copperas and yellow prussiate of potash, which together go to make prussian blue and many others.

The first step in the making of paint is to weigh these chemicals out in their proper proportions, which is done according to a set formula. They are then placed separately in large vats and dissolved in boiling water. From these they are run into a common vat, where they mix and form the desired color. Sometimes three or four vats, each containing a different chemical, are used to feed one large vat, and great care must be exercised to see that the proper temperature is preserved in all.

From the vat the mixture is pumped into a hydraulic press. This is divided into sections, and the liquid is forced through the press from one end to the other until it is filled, the water running out at the bottom and leaving the clear paint. When the water has been completely got rid of, the paint, in the form of a soft paste, is carried to the kiln, where a temperature of about 120 degrees dries it. It was found that when a certain temperature was reached the paint would get so dry, but would not develop further. So, to produce a continuous current of hot air, a turbine was arranged, which drives the heat from the boiler in the engine room into the kiln, and another turbine below which draws the air out again. With this apparatus the operation of drying the paint was performed successfully.

The paint is then taken to the crushers, where it is ground to powder, falling, after coming through the machine, into barrels, and being automatically packed, so that nothing is required to make it ready for shipment but putting the heads on the barrels. From here, I was informed, it was sent over to the main factory to be made into liquid paints and paste in their various mercantile forms.

Paints, in pulp, for wall paper purposes form a considerable part of the manufacturing, and before leaving this part of the works I was shown huge vats or tubs of this paint, some of which held 1,000 gallons. Lemon yellow is very much used, and it is one of the shades that requires all the knowledge and skill that can be put into its manufacture. Paris green was being made here. To see the different chemicals that go to make this much-used article one would never dream that there would be any green in the mixture, and when from the feeding tubs gush forth streams of blue into the large vat, where the liquid is already blue, one is not prepared for the sudden change of both into a light green, which, by its own action, in a couple of hours, deepens into the green which we so well know. Canadian arsenic is almost altogether used in making the paris green here.

But let us get to the main factory. I was first introduced to the "color man." His duty is to see that for mixed paints the right proportions of the right colors are placed in the mixers, where they are thoroughly amalgamated. From here they go to the gang mills, where the paint is ground.

Some of these grinding machines have two stones, others three. They have to be very finely adjusted, and an ingenious device has been invented by which they are kept cool with running water.

The paints, which are sent out in paste form, are ready to put into the cans when they come from these grinding machines. But for the ready-mixed paints, the process of manufacturing is not yet completed. These require to be still more thoroughly amalgamated; and from the grinding machines or gang mills, to give them their proper name, the paint, in thin paste form, proceeds up a belt to a weighing machine. It drops off the belt as it turns round the shaft wheel into a tub resting on scales. When a certain quantity has been received in the tub it is wheeled to the finer mixers, which, like giant egg beaters, whirl the paint around till it has become of a consistency ready for the brush.

It oozes thence into the cans which rest upside down on scales. When a can is filled to the desired weight it is carried to a press, where the bottom is sealed on. Then it passes quickly through various hands. One polishes the tin, a daub of paint of the same color it contains is put on by another, a third pastes on the labels, and it is then ready to be packed for shipment.

Certain colors are much more commonly used than others. Vermilion, for instance, is always being made, and an immense quantity of window-blind green is turned out for spring work, for it still keeps its place as the favorite color for shutters and sash. To keep pace with the demand for construction paints, several mills were continuously running graphite and oxide. This speaks well for the prosperity of the country, for unless there is a good deal of building going on, the business in construction paints is a dead letter.

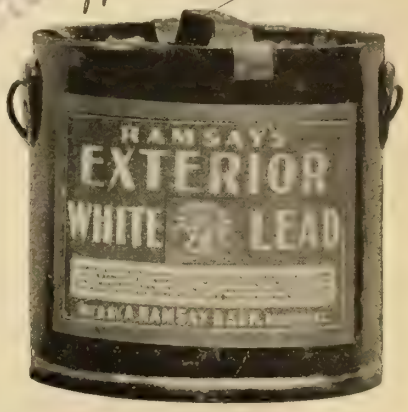
White lead is given a section of the building all to itself. A ponderous chaser rushes round a circular vat grinding and mixing the lead in preparation for the gang mills. From the large chaser it goes to a smaller one, then up a belt into a series of rollers. It is

THREE OF THE 1902 PAINT MONEY-MAKERS.



Now, a money-maker must be something good. No use merely **saying** it's good, it must **be** good. **Ramsays Paints** have proved themselves money-makers, therefore they must be good. There are dealers in Sydney, C.B., and dealers in Vancouver, B.C., and hundreds of dealers in between. These dealers are in business to make money; they are making money handling **Ramsays Paints,** because they are good paints; they satisfy the people—satisfy them with paints better than any paints they could mix themselves. They live on a house as paints should live. **Ramsays Paints** are money-makers, because the price is just right: gives the dealer a profit and the consumer, paints at a price he expects to pay for the best that goes in the way of paint making. As other dealers have done with a money-maker so can any dealer.

Ramsays Exterior White Lead



is the greatest money-maker in the lead market to-day. It's the best advertised lead in Canada. Every painter in the land knows about it, booklets are sent to them regularly. Architects demand it; householders and builders want it. We know it is better than Pure Lead—so do the painters who have used it. It costs less than pure, and can be sold for more. It has larger bulk than pure, works easier and goes farther. That's why **it** is a money-maker.



Ramsays Vienna Green

is a green that **is** green and **stays** green. Look at the greens that fade out with a little touch of summer sun. What's the good of them? Give your customers a green that keeps the blinds green, the doors green, the garden ornaments green—everything green that should be green. **Ramsays Vienna Green** is a better green than imported green and costs less. That should be a money-maker shouldn't it?

Handsome Catalogue of Paints, Varnishes, Stains, Brushes, Glass, Painters' Supplies, and all the goods we manufacture and import sent for the asking.

A. RAMSAY & SON, **Paint Makers, Established 1842,** **MONTREAL.**

HIGH-GRADE

ILLUMINATING AND LUBRICATING OILS

GREASES BOILER COMPOUND, ETC.

STRICTLY ANTI-MONOPOLY. BEST VALUE FOR LEAST MONEY.

WE ARE LEADERS IN OUR BUSINESS.

SPECIALTIES:

Elastic Carbon Paint
Chemically Pure Turpentine
" " Linseed Oil
" " Castor Oil

FOR PAINTERS AND MEDICINAL USE.

Samples and Prices Cheerfully Furnished.

THE ATLANTIC REFINING CO.

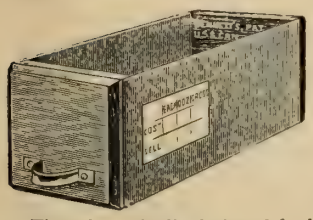
TORONTO.

BRANCHES—Winnipeg, St. John, and New Westminster.

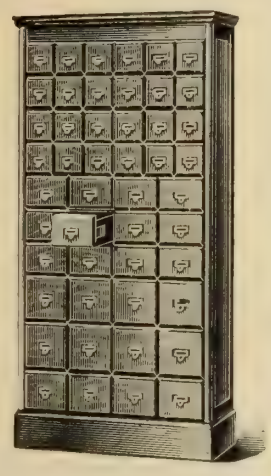
DO YOU WANT AN ATTRACTIVE STORE?

THEN PUT IN

BENNETT'S PATENT SHELF BOX



Thousands now used in England,
Tens of Thousands in Canada,
Hundreds of Thousands in America.



Though originally designed for hardware it is made for ALL TRADES requiring shelf boxes or drawers. It is strong and light, saves 20 per cent. shelf-room, never warps, cracks, shrinks or sticks, and with its many advantages of strength, utility and appearance is the cheapest article on the market.

Also made in cabinets or nests of drawers for holding all kinds of hardware, screws, bolts, bicycle and machine fittings, herbs, drugs, seeds, spices, groceries, electrotypes, etc. Cabinets like Cut are made with sheet metal backs and divisions, which save room and preserve stock.

DON'T FORGET—we are ready to make shelf boxes or drawers to suit your present shelving, or cabinets any style or size to fit anywhere to suit your business.

Full particulars from J. S. BENNETT, Patentee and Manufacturer
15 Marion St., TORONTO.



Sheet Window Glass
Plate Glass (Plain or Beveled)
Stained Glass
Prismatic Glass
Memorial Windows
Art Leaded Glass
Electro Glazed Art Glass
And all glass required for building.
Glaziers' Diamonds and **Glass Cutters.**

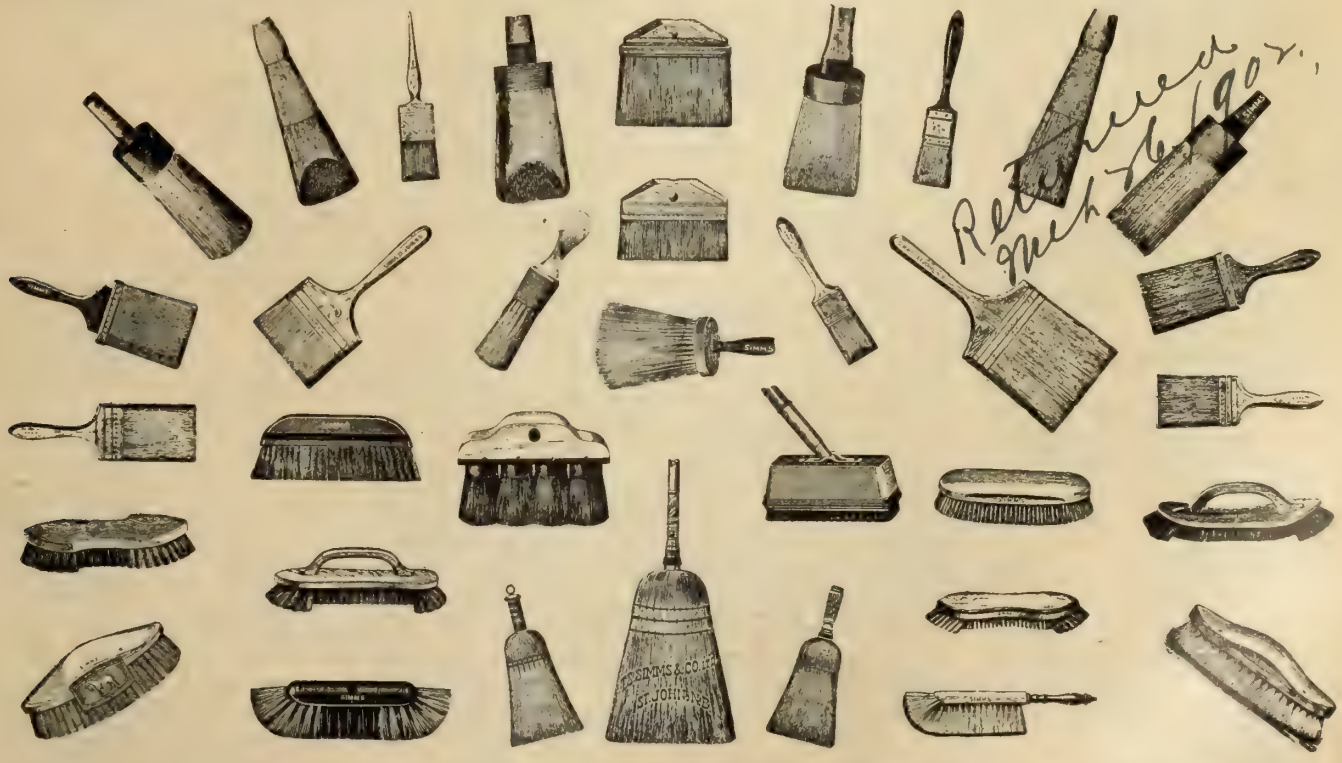
If you sell glass it will pay you to get our prices and 1902 Catalogue.

The Wood Art Glass Co.
LONDON, CANADA.

T. S. SIMMS, President.
G. F. A. ANDERSON, Vice-President.

ESTABLISHED 1872 - **INCORPORATED 1895**

H. H. REID, Secretary.
J. SULLIVAN, Superintendent.



T. S. Simms & Co., Ltd. BRUSHES and BROOMS

MANUFACTURERS OF SUPERIOR

PAINTERS' TOOLS A SPECIALTY

Warehouse, Office and Sample Rooms:
57 and 59 Dock Street.
Factory: 53, 55 and 57 Smythe Street.

ST. JOHN, N.B.

scraped automatically from the last roller into the irons which are on scales. There were huge piles of these irons of white lead, almost enough to build a block house, and they were continually being added to, being hauled away for shipment when the stock has been well aged.

In another portion of the building are the varnish and linseed oil floors. In the former, a large number of tanks in the maturing room remind one of the underground storage warehouses of London, where wines and spirits are stored for ripening purposes. Each tank in the varnish room bears a date of when it was filled, and it is not allowed to be tapped or drawn until a certain time has elapsed. And even then it is considered fit for use only after the varnish expert has tested it thoroughly, and made his report upon its efficiency for the different work to which it may be put, for furniture, carriages, or house decorating. Except for the boiling, clarifying and settling of the linseed oil, which is done in huge, riveted tanks, there is not much to see here. The varnish cans are closed up with modern stoppers, and then hermetically sealed with a brass top, which prevents tampering.

One floor is devoted to coach and car colors. Here the greatest possible care must be exercised. Cleanliness prevails throughout. The mills are kept polished, and attendants are ever on the alert, keeping an eye on the delicate tints and shades which this fine machinery turns out.

There are many other departments in a big paint factory not directly connected with the work of manufacturing, but, which are, nevertheless, important features of the factory. For instance, they have a permanent staff of millwrights, machinists, carpenters and electricians.

Those neat little sample cards, for instance; where do they come from? Your big factory makes these, does its own printing, gets out its own advertising, and does a good many other things which are not expected of it by the uninformed public.

Heavy sheets of calendared paper are painted in the desired color and laid out to dry. One man superintends this work, and sees that the exact tints are reproduced. The slips of wood, which almost every hardware dealer has in his store, are also painted in this room. They are cut up according to measure, and sent to another room, where a hilarious lot of girls, with complexions reflecting the bright and cheery tints of the color sheets, paste them under their proper numbers on the cards.

A room which looks for all the world like the inside of a flour mill is devoted to the making of kalsomine and Opalite colors. The ingredients are brought in in rock form, ground, levigated and bolted to a degree of fineness almost beyond imagination.

Then there is the room for oxides and dry colors ready in barrels for shipment, the room for Opalite paints, where an immense range of tints is shown the visitor, and the room where is kept the gold leaf, English vermilion, and other fancy items, which are carried mainly for the customers' convenience.

A section of the works is devoted to the manufacture of that much-abused article called putty. The whiting is imported in bags, and ground with linseed oil, put into bladders, tins, kegs, or barrels, as ordered, and shipped.

I could hardly convey to a reader a true idea of the extent of a big paint factory without mentioning that these huge buildings in Montreal are only a part of the whole plant, and I suppose other factories are the same. The Canada Paint Company does most of its varnish-making in Toronto, where the plant covers about two acres. In addition, they have a plant at St. Malo, Que., where they control a mine rich in pockets of oxide and other earth colors, from which is manufactured a large range of Indian and Venetian reds and the stains used in mortar. Then there are graphite mines near St. John, N.B. This pigment is especially meritorious for iron painting.

When I had been taken over the whole factory we again came into the office, where I was shown the immense vaults. In taking my leave, with many thanks to my conductor, Mr. Evans, we parted with this injunction: "Don't forget, Mr. 'Hardware and Metal,' to mention that your readers will be welcomed in the factory and warerooms any time they call. We are a purely Canadian company using Canadian stock, employing Canadian workmen, and selling to Canadians, and we want to have as many of them as possible to see our factories and how we make the stock they buy from us."

THE CAUSE OF VARNISH CRACKING.

Cracking of varnished surfaces may be caused by a non-elastic ground, says Sanitary Engineering, a journal published in the United States, be it color or varnish; by a ground of too great elasticity; by applying too many coats of color or varnish in too short a time; perishing of the elastic qualities of the varnish by the influence of atmosphere and sun heat, and the influence of ammonia and other alkalies; undesirable drying materials in the varnish or faulty manufacture thereof; and by the breaking of the groundwork under the varnish.

JOURNEYMEN TO THE FRONT.

ENGLISH painters look forward to spring activity in the trade as eagerly as the painters of America. That is the time when the journeyman is in demand and when the "boss" is strictly on his good behaviour. Henry Fenelon, in The Journal of Gas and Sanitary Engineering, describes the spring rush in England in the following language:—

"Will you kindly assist the boy, please, to get up some turps and oil (ile)?
I've a sweet little job for you, Bill, at the villa from here a mile;
Here's a crown (keep the change) for the cab fare—
I really can't ask you to walk."
Oh, it's easy to see the spring's coming on when that's how the "bosses" talk.

The journeyman painter in one short month from now will emerge from his obscurity. He will again clothe himself in the white garments of a blameless life, and with them he will assume that "cheek" which has been wofully absent during the winter months. Then may the employers look out. Then, indeed, may they tremble, for on the very slightest provocation the journeyman decorator will "chuck" his brushes on the office desk and demand his "blooming money."

Aye, aye, the spring is coming again, "tra-la-la," and almost immediately the cheerful "skibbo" will leave his winter's job at cab driving. He will look with a sneering contempt on his winter's work of scene shifting in the local theatres at one shilling six pence each performance, and for the next few months will cease his feeble struggles with the huge bales of cotton he has been laboriously handling on the dock quays.

Spring is coming, and even now as I write grave discussions are taking place between the painter and his wife as to the advisability of purchasing a new jacket and overalls, and having formed themselves into a committee of ways and means, the decision has been arrived at that owing to the great depression which has existed for the last five months it would be as well to defer buying a new "rigout" until the advent of the "Ides of March," and that for the time being a piece might be neatly let in at each elbow, and a couple of patches at the knees will suffice for the next four weeks; for, as Mrs. Painter remarks, they must settle with the landlord; and, besides, there's a balance owing to the very courteous Scotch gentleman who so unfailingly turns up each Monday morning for the remainder of the money owing on Jim's last suit. And Jim mutters something highly condemnatory of the eyes and limbs of the gentleman from the Highlands, whom he thinks has charged 50 per cent. too much; and having borrowed "tuppence" from his worthy spouse, hies him down to the clubroom to see how trade is.

THE BEST IN THE WORLD.

"New Era" High-Grade Prepared Paint.

Returned to us March 31/02.

A perfect house paint possessing the greatest covering capacity.



Unexcelled for durability and fineness of finish.

WE ALSO MANUFACTURE

Standard Superfine Quick-Dry Coach Colors,

STAINS, ENAMELS, JAPANS, VARNISHES, ETC., and everything found in an up-to-date paint factory.

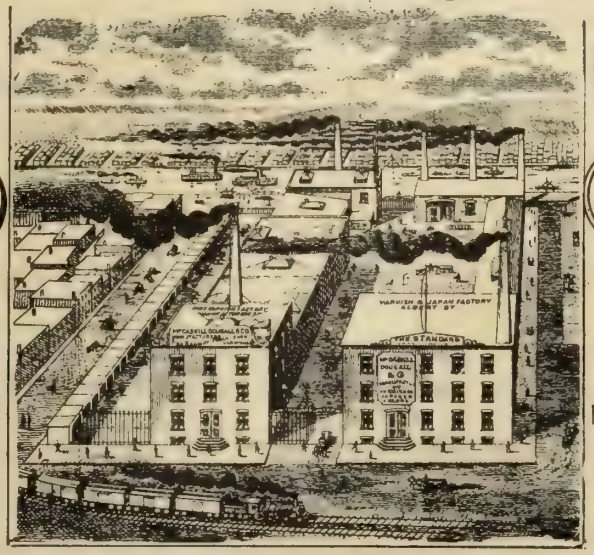
Standard Paint & Varnish Works Co., Limited, Windsor, Ont.

McCASKILL DOUGALL & Co

MANUFACTURERS OF

RAILWAY & CARRIAGE VARNISHES & JAPANS

MAY 18 1902



"ZANZERINE" HOUSE, SCHOOL, & CHURCH VARNISH.

HIGHEST AWARDS

AT HOME AND ABROAD

"STANDARD" PIANO, FURNITURE, & BOAT VARNISH.

DURABLE, BRILLIANT & EASY WORKING

MONTREAL, CANADA.

The Making of White Lead.

EXPLANATION OF THE DIFFERENT PROCESSES.

WHITE lead, or carbonate of lead is a well-known substance used everywhere by painters as a pigment, and has been so used for centuries. It is also utilized for cementing water pipes and glazing pottery. When it reaches the painter's hands, it is either in a dry state or paste form, ground in linseed oil, the latter being the most commonly used. It is made from the metallic lead, a soft metal of bluish color, tending to grey and having also a bright metallic lustre when newly cut or melted. The lead mineral is extensively used in the manufacture of bullets, water pipes, and also at one time for roofing. It is mined extensively in the Rocky Mountains, Great Britain, Prussia, Saxony, Austria, and near Cartagena, in Spain. Extensive deposits of this metal are known to exist in New South Wales.

TWO METHODS OF MAKING WHITE LEAD.

This white lead or carbonate of lead is made from the metal by two methods, the second of which is merely a development of the first. The first or old Dutch method is still widely used, and has been the way of manufacture, perhaps, since the Roman times, and the Dutch, centuries ago, learned it from the Venetians. The metallic lead is cast into the form of stars, gratings, or thin perforated sheets, in such a way as render quite easy its conversion into the carbonate. These pieces of lead are placed in small earthenware jars, resembling flowerpots, about six inches deep, and wider at the top than at the bottom. A piece of wood is placed in the pot so as to confine the lead to the upper portion thereof. Some acetic acid (vinegar) is then poured into the bottom of the vessel, the lead placed in the upper part, occupying about two thirds of the jar, and kept from the vinegar by the wood, and a slab of lead is placed on top. These jars are then arranged in parallel rows, forming a square tier of about 20 feet each way, or 400 altogether, and the whole covered with spent tan bark or stable litter. Another tier is placed on the top of the first and treated likewise. This process is repeated until there is a pile eight or ten tiers high formed, all embedded in the litter.

Left to themselves for six or eight weeks, the fermentation of the litter keeps up a suitable temperature and a constant supply of carbonic acid. The vinegar in the jars is converted into gas by the heat, and this, aided by the imprisoned air, attacks the lead which becomes thickly coated with a white substance (basic acetate). The carbonic acid given off from the hotbed in turn converts this basic acetate into the carbonate or white lead.

During the whole of the six or eight weeks this constant action and reaction continues until the whole of the metallic lead is changed into the white lead. After this is completed the pots are emptied and the newly-made carbonate of lead broken up and ground in water to a fine paste. It is then placed in little conical moulds and allowed to dry. It is then ready for use, and is what is called dry white lead.

Some years since this was an extensive industry in Holland, and numerous factories had their existence around Rotterdam. But of later years white-lead manufacturing is being conducted extensively in Prussia, Great Britain and the United States, causing the Dutch industry to dwindle down to smaller proportions.

In Saxony and Prussia, and also in Great Britain and the United States, the second method, which is merely a development of the first, is followed. The factory is a two-storey building, the ground floor of which is occupied by a furnace. The floor of the upper chamber is composed of boards loosely arranged, so that the heat may readily pass through from the furnace beneath. Square or rectangular watertight boxes, with numerous openings in the top, are placed on the first floor. Above these are erected frameworks reaching to the roof to which short sticks are attached in such a way as to enable them to sustain the bars or thin sheets of lead above the boxes. Some unfermented grape or raisin juice or cider is placed in the boxes, and this is made to ferment by the action of the heat from the furnace. The fumes from the grape juice together with the oxygen in the air decompose the lead, changing it to the carbonate. This falls in flakes to the floor where it can be gathered by the workmen, broken into fine particles, ground in water and dried in the moulds. It is then ready for shipment.

WHITE LEAD MAKING IN GREAT BRITAIN.

In Great Britain white lead has been manufactured since the days of Elizabeth, the foreign policy of that Queen in excluding, as far as possible, foreign productions from her dominions, doing much to foster and encourage native industries. The English manufacturers copied their method of white-lead manufacture from the Dutch, and even to-day practically the same methods are adopted as elsewhere.

Another way that has been recently adopted in this: Oxide of lead (litharge) is worked on a solution of acetate of ammonia. Carbonic acid is then injected into this solution and the carbonate of lead or white lead is precipitated in the form of a sediment in the bottom of the vessel. By this process white lead is quickly made. The acetate of ammonia is recovered and used again. This is called R. MacIvor's process, and is used in Great Britain.

In the United States there are numerous patents covering the manufacture of white lead, which has been conducted in that country for upwards of a hundred years. The methods employed there are mostly modifications of the Dutch method.

NO WHITE LEAD MADE IN CANADA.

In Canada no white lead is, as yet, manufactured, but large quantities are ground in oil by the various paint manufacturers, who import it from Holland and Germany. The immense deposits of lead ore or cerusite at Fernie, B.C., and the extensive smelting operations being conducted there ought much to encourage its manufacture in the Dominion.

OUR IMPORT TRADE IN BRUSHES.

CANADA'S import trade in brushes during the past five years has increased by over 83 per cent. The following table gives the imports from the different countries during 1901, 1900 and five years ago:

IMPORTS OF BRUSHES, 1901, 1900 AND 1897.

	1901.	1900.	1897.
Great Britain.....	$ 16,032	$ 15,982	$ 12,294
Anstria-Hungary ...	3,029	895	3,480
France.....	67,972	57,362	31,091
Germany	26,632	28,266	45,861
Japan	1,537	4,621	2,568
United States	76,025	80,821	38,792
Other Countries.....	76	174	72
	$191,303	$188,227	$104,158

The largest increase, it will be noticed, is in the imports from France, being 118 per cent. Next in order comes the United States with an increase of over 90 per cent. The Canadian Customs tariff on brushes is 25 per cent., which, it is claimed by the manufacturers, is not sufficient, especially in view of the competition of the cheaper makes of European brushes.

Venetian red, obtained by roasting iron sulphate, was produced in the United States in 1900 to the amount of 14,696 short tons, about 2,000 tons more than the average annual production of the previous four years.

STAUNTONS LIMITED, TORONTO



A Leading Ingrain Frieze in Our New Line.

all the Stauntons Oct 31 1903 see cut book 12 page 78

A large stock of our most successful patterns in all grades is now ready for shipment.

We have a set of samples specially prepared for mailing and expressing.

A postal from you will bring these samples (free).

Or if you wish to place a large order we will send a traveller to see you.

Our goods and our prices will command your orders and will bring you good profits.

All orders placed with us can be filled immediately.

These facts are worth remembering.

WALL PAPER MANUFACTURERS



Are You Tied to Old-Time Methods ?

If so, Isn't it Time To Cut the Cord

and stock up-to-date **Prepared Paint,** mixed by modern methods, which is guaranteed to **Go Farther, Look Better** and **Last Longer** than the old-time lead and oil paint? The old methods must go. Ready-Mixed Paint has the market. If you have not stocked



"ARK BRAND" PAINT

do it now. It is absolutely the best Ready-Mixed Paint made. Every can guaranteed to give perfect satisfaction.

THE FRANCIS-FROST CO. Limited

TORONTO.

CANADIAN DISTRIBUTING AGENTS FOR GRIPPIN'S CRACK FILLER.

FINE

GLASS BENDING

FOR

BUILDINGS, SHOW CASES, CABINETS, ETC., ETC.

JUL 18 1902



OUR GLASS BENDERS.

We have the most modern and up-to-date method of Glass Bending known to the industry, enabling us to do the very finest of work.

DELIVERIES AT FEW DAYS NOTICE.

TORONTO PLATE GLASS IMPORTING CO.

HILL & RUTHERFORD

BENDING WORKS:
209 to 213 Victoria Street,

OFFICE AND WAREHOUSE
135 to 143 Victoria Street,

TORONTO, ONT.

A WONDERFUL ALUMINUM PAINT.

WITHIN the last two years The Sherwin-Williams Co. has placed on the market a new paint specialty, that has been meeting with exceptionally great success all over the continent. It is an aluminum paint for use on both wood and metal surfaces, producing a silver finish.

For a long time the company experimented to produce an article of this sort that would be more practical than anything of a similar nature ever placed on the market, and as a result they are offering an aluminum paint that outranks all similar products in so many respects as to stand practically alone in its field.

The Sherwin-Williams Aluminum Paint produces a velvety lustre as though the silver bronze had been dusted on, and gives a durable paint surface that withstands high temperature and extreme cold, that will not blister, scale or crack, and that will not discolor.

Besides this exceptional durability the paint does not possess the nauseating, banana-like odor so common in paints of a similar nature. It works exceptionally easy under the brush, and has a great covering capacity. Under the most severe tests this aluminum paint has successfully withstood exposure to gases, extremes of heat and cold, and contact with large quantities of lubricating oil without discoloring, and without any injury whatever to the paint surface.

It is a truly wonderful paint, and can be unhesitatingly recommended with the assurance of giving entire satisfaction on decorative work, radiators, gas stoves, gas and steam pipes, machinery, engines, novelties, gas fixtures, and a wide variety of other uses.

The Sherwin-Williams Co. have prepared a number of samples of this paint on sheet iron, and will be very glad to send them to any person inquiring for them, in order that the paint surface may be put to test to prove the statements that have just been made concerning it. It is an article of good selling qualities for hardware dealers, and should prove a splendid specialty to push during the busy paint season.

SOMETHING ABOUT BRUSHES.

The brush manufacturing business of Canada is of long standing, and for the most part has an honorable record. The leading firms in the business have an experience of many years and have no need to be ashamed to compare the quality of their manufactures with those of any other country. The material which enters into the manufacture of brushes is gathered from most parts of the world, and as lumber in Canada is suitable and abundant, the advantages to the manufacturer are many, and equal, if not superior, to any other locality.

The most expensive material, the long hogs' bristles, are brought from Russia and Germany, which countries are unequalled in the production of this material. For finer qualities, the French bristles are generally used, and during the last few years a large business has sprung up with China in black bristles, which make excellent paint brushes.

It may be a surprise to many to know that, notwithstanding the immense number of hogs that are killed annually in Canada and the United States, there are comparatively few bristles obtained from them, and those of a very inferior quality, used mostly in household brushes. The principal reason for this great difference in bristles is due to the high state of breeding to which the American hog has been brought, for the better the quality of the pork, the poorer the bristles which he bears. Besides bristles, which are obtained from other countries than those mentioned, fibres are used extensively, the principal ones being brought from Mexico, South America, and many parts of the East Indies.

Among the large manufacturers of brushes in the Dominion are T. S. Simms & Co., Limited, of St. John, N.B. Beginning under the present management in 1872, and incorporated in 1895, they have grown from a small local business to one which extends, not only the length and breadth of Canada, but also includes Newfoundland and the West Indies, as well as exporting some to the Old Country. Situated on the seaboard, they have all the advantages of ocean freights, and with an equable climate, which allows of men working every day in the year, and with an abundance of lumber right at hand, their facilities for manufacture cannot be surpassed. As they have outgrown their present premises, they have contracted for a new factory and warehouse, which will be erected this summer in time for the business of another year. This new factory will contain the most improved machinery for the manufacture of all kinds of brushes, some of which they control, and which are not to be found in any other factory in America.

We refer our patrons to their advertisement on page 57, where some idea of the variety of the goods they manufacture may be had. They are also manufacturers of corn brooms, having turned out last year more than 33,000 dozen.

We bespeak for this firm large success with the new facilities which they will have at their hand.

T. S. SIMMS & CO'S NEW FACTORY.

The new brush factory for T. S. Simms & Co., St. John, N.B., is expected to be completed by September 1 next. It will be situated on Union street, and will have a frontage of 115 feet. Three storeys in height with a basement, it will contain a factory 75 x 100 feet and a store



New Factory of T. S. Simms & Co., Limited, St. John, N.B.

80 x 75 feet. On the ground floor will be the suite of offices and a fireproof vault. A one storey building, 20 x 100 feet, at the east end of the structure will contain the engines and boilers. Everything within will be arranged with a view to fire protection. The floor will be of solid timber, five inches thick, and will rest on girders of solid Georgia pine. It will be underlaid with asphaltized building paper, and will have a slight inclination towards the walls. The elevator will be solidly encased in brick shafts and the means of entrance to it will be protected by fireproof doors. A brick wall will separate the factory from the store and both will be heated by exhaust steam from the engines. The most modern and improved machinery will be installed and everything adapted for a greatly increased output. A larger number of hands will also be employed by the company, which, at present, has 120 men on the pay roll.

F. J. Wilson Carriage Builder
LISTOWEL, ONT.

R. N. Bradfield & Co
MORRISBURG, ONT.

Carpenter Bros
MILLE ROCHES, ONT.

E. Casement & Co
MADOC, ONT.

Thompson Bros
MARMORA, ONT.

W. Gamble
MANOTICK, ONT.

Jeffery & Co
MIDLAND, ONT.

Emmerson & Co
MONCTON, N.B.

S. K. Smith
MOOSEJAW, N.W.T.

Messrs. Imperial Varnish & Color Co., Limited,

TORONTO, ONTARIO, CANADA.

GENTLEMEN,

We, the undersigned Hardware Merchants and Paint and Varnish Dealers, who are handling your Elastilite Varnish, have pleasure in testifying that it has given our customers and ourselves splendid satisfaction, and has proven to be all you claim for both inside and outside uses. It produces a high-grade finish, equal in durability to the best outside wearing varnishes.

The price being moderate, and it being peculiarly adapted for both inside and outside work, or in other words suiting all purposes, it does away with the necessity of stocking so many different lines of varnish. The packages are neat, attractive and handy. The large Cabinet Show Can provides not only a compact way of carrying a stock of the varnish, but is a very attractive ad. in our store or window.

J. P. Hambly
BARRIE, ONT.

J. Innes & Co
BRANDON, MAN.

Tait & Fisher
CALGARY, N.W.T.

J. & W. Crowe
BELLEVILLE, ONT.

W. B. Lamson
BLENHEIM, ONT.

F. J. Wilson & Co
BUCKINGHAM, QUE.

C. F. COMER & CO.
Per C
CALGARY, N.W.T.

Murphy Brown & Co
CARBERRY, MAN.

Thos Beattie
NAPANEE, ONT.

W. H. Morton
NANAIMO, B.C.

Nelson Hardware Co
NELSON, B.C.

Purvis Bros
NORTH BAY, ONT.

T. J. TRAPP & COMPANY, Limited
Per T. J. Trapp
NEW WESTMINSTER, B.C.

Gilpin Bros
ORILLIA, ONT.

F. E. Hawkins
OSHAWA, ONT.

J. Henry & Son
ORONO, ONT.

T. J. Thomson
OWEN SOUND, ONT.

J. Archambault
OTTAWA, ONT.

R. R. Sevigny
MONTREAL, QUE.

W. H. Scroggie
MONTREAL, QUE.

J. W. Stewart & Co
MONTREAL, QUE.

Geo. B. Bartlett
NEWCASTLE, ONT.

G. A. Binns
NORWICH, ONT

Williams Clarke
NEWMARKET, ONT.

Malcolm Nelson
NAVAN, ONT.

J. J. Perry
NAPANEE, ONT.

E. Braund
AURORA, ONT.

J. D. Burke
AMHERSTBURG, ONT.

E. H. Brookenridge
AYLMER, QUE.

Wesley Coyne
AYLMER, ONT.

Combs Bros
ASHTON, ONT.

J. J. Cain
ALLISTON, ONT.

Douglas & Co
AMHERST, N.S.

Lee & Co
ATHENS, ONT.

INGERSOLL, ONT.

J. A. Stewson.
JARVIS, ONT.

H. Renault
JOLIETTE, QUE.

W. A. Mitchell
KINGSTON, ONT.

C. F. McArthur & Co
KENMORE, ONT.

per C. F. McA

Osborne Huffman
KINBURN, ONT.

Morris & Taylor
LACOMBE, N.W.T.

J. A. Ranger
LACHINE, QUE.

Adelard Lamoi
LANCASTER, ONT.

Blyth-Wyatt
OTTAWA, ONT.

Yours truly,
W. G. Charleson
OTTAWA, ONT.

John Bros
OTTAWA, ONT.

W. Graham
OTTAWA, ONT

Robt. McAllen
OTTAWA, ONT.

OTTAWA HARDWARE Co.
OTTAWA, ONT.

P. Stewart
OTTAWA, ONT.

John Storr
OTTAWA, ONT.

W. Strachan
OTTAWA, ONT.

W. E. Ross
STRATHCONA, N.W.T.

J. J. Stewart
STAYNER, ONT.

Dobie & Co
THESSALON, ONT.

Chas. E. Hartman
THORNBURY, ONT.

L. G. JOURDAIN
THREE RIVERS, QUE.

S. B. McClung Co
TRENTON, ONT.

G. P. Foan
TORONTO JUNCTION, ONT.

John Caslon
TORONTO, ONT.

J. E. Mann
ARNPRIOR, ONT.

C. A. McCartney
ALTON, ONT.

A. G. Buckham
BRAMPTON, ONT.

Cameron & Cameron
BEAVERTON, ONT.

Geo. W. Lecuyer
BRACEBRIDGE, ONT.

Wm. De groff
BLOOMFIELD, ONT.

A. G. Dobbie
BROCKVILLE, ONT.

O. W. Woodson
BOLTON, ONT.

Howe & Feeby
BRANTFORD, ONT.

Morton & Owen
CAMPBELLFORD, ONT

W. K. Lemmenfeldt
MOUNT ALBERT, ONT.

Lavey & Co
METCALFE, ONT.

Schmett Bros
Carriage & House painters
MILDMAY, ONT.

Williamson & Rae
MEDICINE HAT, N.W.T.

Colbert & Co
MONTREAL, QUE.

Denman Wellman
MONTREAL, QUE.

Dufresne Paid
MONTREAL, QUE.

E. H. Latreme
MONTREAL, QUE.

D. Meyran
MONTREAL, QUE.

O. St Jean
MONTREAL, QUE

R. Turner Gadsby
CORNWALL, ONT.

P. Sky

Woodware & Bros
CANNINGTON, ONT.

P. DEVANEY.
DUNBAR, ONT.

C. F. Dunham
DIGBY, N.S.

C. E. Wallace
DUNDALK, ONT.

N. J. Pare
DESCHAMBAULT, QUE.

E. A. Runions.
CARDINAL, ONT.

W. J. Seaman
EXETER, ONT

(See next issue for balance of the 185 signatures).

JUN 2 1902



A MONEY MAKING PAINT AGENCY





THE Sherwin-Williams Paint Agency is a money making proposition. The dealer who secures it in any place, large or small, can sell more paint with better profit than he ever sold before.

He can win greater success and win it more quickly; he can hold his trade better and make greater gains; he can build up his whole business better than with any other paint.

There are three principal reasons why this is so:

First. An S. W. P. agency gives the best paint quality that can be produced.

Second. It gives the best and most aggressive advertising in the paint field.

Third. The Sherwin-Williams Co. do more to help their agencies sell paint than any other concern in the business.

The Sherwin-Williams Advertising attracts trade.

The Sherwin-Williams Paint holds it.

The Sherwin-Williams Methods increase it.

When you take the agency for S. W. P. you get something besides paint and color cards—you also get the same methods and advertising, and the benefit of the same organization and brains that have made us the largest and most successful paint makers in the world.





If you are interested in what we mean by a money making paint agency, send for the "B-13 Booklet." It contains illustrations and brief descriptions that will fully explain our proposition. A postal card will bring it.





THE SHERWIN-WILLIAMS CO.
PAINT AND VARNISH MAKERS.

CANADIAN DIVISION
MONTREAL, 21 ST. ANTOINE ST.
TORONTO, 86 YORK ST.

CLEVELAND, NEW YORK, MONTREAL, TORONTO, CHICAGO, NEWARK, BOSTON, SAN FRANCISCO, KANSAS CITY, LOS ANGELES, MINNEAPOLIS.





THE SHERWIN-WILLIAMS PAINTS
COVER THE EARTH



A Centre of Electrical Energy.

What is being done to develop the Water Power at Shawenegan Falls.



SHAWENEGAN FALLS, unknown by name to a great many even in Canada a few years ago, is gradually widening out in the public eye all over this North American continent. While not approaching Niagara Falls in its majesty, it promises to be second only to that famous place as a centre for the development of electrical energy.

A couple of years ago Shawenegan Falls had but a few houses where to-day are many houses and a population of 3,000. And this transformation has been brought about by the schemes which have been undertaken to harness the immense water power which has hitherto been allowed to play and not forced to labor.

Shawenegan Falls is about 90 miles from Quebec, 84 miles from Montreal and 21 from Three Rivers. The electrical power plant which is nearing completion at Shawenegan Falls is designed to supply an electric service not only to the nearby towns, but to the city of Quebec in the east, the city of Montreal in the west, and to Three Rivers in the south.

For a number of years the great power of the St. Maurice River has attracted the attention of promoters; but until recently the title to the property and water has been more or less complicated. The Privy Council of England recently decided that the Provincial Government could dispose of its water powers, and recently it has been selling these privileges with the understanding that the development be immediately commenced.

The Shawenegan Water and Power Company was formed under a charter granted by the Provincial Government, with the power to develop the water power, manufacture gas and electricity for the purpose of light, heat and motive power, to construct works needed for such purposes, to transmit power generally throughout the Province of Quebec, and to transmit electric power and sell same in the various towns and cities, with the right to expropriate land for its various purposes, including the necessary right of way to any point.

The president of the Shawenegan Water and Power Company is J. N. Greenshields, K.C., of Montreal; the vice-president is John Joyce, of Andover, Mass.; the treasurer is Mr. J. E. Alfred, of Boston, Mass.; the secretary is Mr. Richard W. Douglas, and the chief engineer, Mr. Wallace C. Johnson, who has had much to do with the Niagara power development during recent years.

The Shawenegan power system, as explained by Frank C. Perkins, obtains its water by a canal 1,000 feet long, 100 feet wide and 20 feet deep. The water is conducted through this canal to a forebay, formed by building a solid concrete wall, or bulkhead, from which the water is conducted through pipes to the power house, 130 feet below. This substantial concrete wall is 40 feet in height and 30 feet in thickness at the bottom. Each pipe, water wheel and generator will produce 5,000 horse power. The water for the operation of the wheel is obtained from the forebay, and is conducted in steel tubes to the power house, each tube having a diameter of nine feet. Three of these penstocks are now in place, and three more are still to be installed and are now under way. The canal has a capacity of 60,000 horse power, and the present development includes a bulkhead for 30,000 horse power, power house and pipe lines for 15,000 horse power, and water wheels and generators for 10,000 horse power.

The company purchased about 1,000 acres of land, of which 200 acres were reserved for mill sites, and about 500 acres for the location of the town, the latter being particularly well adapted for this purpose, being high and comparatively level. The former is an ideal location for manufacturing plants using large quantities of power, both electrical energy and water power privileges being available.

The St. Maurice has a total length of over 400 miles and is supplied from a great many lakes and streams, the drainage area being about 18,000 square miles. The water flow is very steady throughout the year on account of the dense forest covering this area, and is in the neighborhood of 26,000 cubic feet per second. The power which may be developed will not fall short of 100,000 horse power ultimately, and the working head is more than 125 feet.

Besides the main development, it was decided to take advantage of the fact that at one point the Shawenegan River and the St. Maurice came within 1,000 feet of each other, but with a difference of level of 150 feet, and it was here, at a point on the upper bay, a second installation was made. This is about half a mile from the main power station of the Shawenegan Water and Power Company. This installation was built by the Belgo-Canadian Pulp Company, whose enormous pulp mill is supplied with water for operating their turbines by the Shawenegan Water and Power Company. This development consists of a large crib dam through which the water passes at the bottom. The headworks consist of a concrete forebay, which has a height of 40 feet, with the necessary racks and headgates. This solid concrete bulkhead is inside of the crib dam on the bank of the river, and from it the penstocks lead the water through the bank and down to the lower level, discharging into the Shawenegan River as a tailrace, after passing through the turbines. The steel penstock between the forebay and the mill is 12 feet in diameter, and a special tunnel about 200 feet long had to be excavated through the clay bank for its reception. This plant will have a capacity of 15,000 horse power, which is to be utilized by the Belgo-Canadian Pulp Company, but double this power may be obtained by duplicating the crib and bulkhead next to the present one. The present pulp mill will be able to turn out 10 tons of pulp per day, using for this work about 8,000 horse power. An additional 7,000 horse power, making the entire 15,000 horse power, will soon be used by another additional paper and sulphite mill.

The water wheels in the main power house were built by the I. P. Morris Company, of Philadelphia, and each has a capacity of 6,000 horse power under a working head of 125 feet. Two of these turbines are now in course of erection and two alternating current generators of 5,000 horse power are already installed. The electrical generators were supplied by the Westinghouse Electric and Manufacturing Company, of Pittsburg, Pa. There is provision for another 6,000 horse power unit in the present power house; and an addition is provided for duplicating the present plant, which will increase the output to about 36,000 horse power.

The steel tubing from the forebay to the power house increases in diameter from 9 feet to 11 feet near the turbines, the thickness of the shell of the flume also increasing from 5-16 inch to 9-16 inch. The diagram of the wheels shows them to be of the twin-turbine type, having one runner at either end of the casing. The water enters the turbines radially from without, discharging radially toward the centre of the shaft into the draft chambers. The draft chambers connect with an 8-foot draft tube which passes to the tail water. It increases in diameter to 11 feet. The tail water has a low mean level of 25 feet below the centre of the wheel shaft. There are two large air chambers above the casing, which is of cylindrical form. The turbine is 30 feet long, and is controlled by gates in the draft chambers. The gates consist of butterfly valves, closing together at the centre between the shafts.

There is little question that quite an industrial centre will be established at this

Standard Pumps.

Each article bearing our name carries full assurance that your customer will be satisfied.

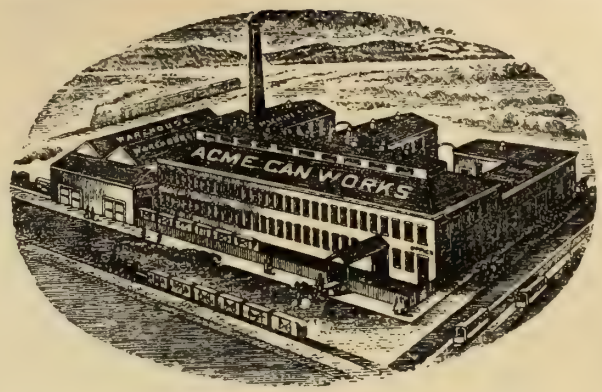
We make pumps of **all kinds** adapted to every purpose at prices which prohibit importation. We solicit orders from the trade only, and all wholesale houses supply our goods.

General and special catalogues furnished promptly on request.

The R. McDougall Co.
LIMITED

GALT, ONTARIO, CANADA.

JAS. B. CAMPBELL WILLIAM PRATT



You Do the Right Thing

when you order your

Paint and Color Cans (Round and Square), **Varnish and Oil Cans, Paint Irons, Paint Packages, Lye Tins,**

or any description of tin or can you may require, because we know how to

Make the Right Kind.

Remember us when in need of any of the above lines.

The Acme Can Works,

OFFICE AND FACTORY:

Ontario St. and Jeanne D'Arc Avenue, - - MONTREAL

THE
EDINBURGH ROPERIE & SAILCLOTH Co Ld
ESTABLISHED 1750

(TELEGRAPHIC ADDRESS ROPERIE)

LEITH SCOTLAND



MANUFACTURERS OF EVERY DESCRIPTION OF





CORDAGE & CANVAS



MANILA ROPE
SISAL ROPE
NEW ZEALAND ROPE
RUSSIAN ROPE
JUTE ROPE
FISHING LINES
NETTING TWINES
PARCEL TWINES
SPUNYARNS & PACKINGS
BAILING ROPES & CORDS

TRADE R E MARK 1750

SAILCLOTH
STEAMER CLOTHS
AWNINGS
TENT CLOTHS
DUCKS
PRESSING CLOTHS
TARPAULINGS
CHEMICAL WATERPROOF
SEAMING TWINES
ROPING TWINES



BUYERS OWN SAMPLES MATCHED AT LOWEST TRADE TERMS

ADDRESS ALL COMMUNICATIONS TO OUR CANADIAN OFFICE AND STORES,

THE EDINBURGH ROPERIE & SAILCLOTH CO'Y, Limited, - - 9 St. Peter Street, MONTREAL.

power plant. Already the Calcium Carbide Works have been established and a large plant known as the Shawenegan Carbide Company's works has been installed. The Pittsburg Reduction Company's plant for the making of aluminum, is also in operation. The above-mentioned concerns alone will in the near future use about 35,000 horse power. The example of the Pittsburg Reduction Company and that of the Shawenegan Carbide Company is being followed by other users of electrical energy. It is said large plants for the manufacture of bleaching powder, caustic potash and chlorate of potash and other electrolytic products will have an exceptional opportunity at Shawenegan Falls.

HARDWARE AND METAL is indebted to the Montreal Chambre de Commerce for the excellent illustration which accompanies this article.



THE FAMOUS SHAWENEGAN FALLS.

HOUSEHOLD HARDWARE.

THE P. R. Cumming Co., Limited, 90 Richmond street east, are a Toronto firm engaged exclusively in the manufacture of household hardware. These articles they have been placing on the Canadian market for about a year, and they claim to be the first firm in the Dominion to take up the manufacture of this class of goods.

Mr. P. R. Cumming, who is a Canadian, has been in the United States engaged in household hardware manufacture for fifteen years. He returned to Canada upwards of a year ago, and at once perceived the possibility of developing that industry here, as he found that the majority, if not all, of the household utensils in use were of United States manufacture.

Since its establishment the business has greatly increased, and additional lines are being added to the already wide range of articles made by this firm day by day.

The most recent of these additions is an ingeniously thought-out mouse trap of new design, which has many advantages on its side. It is easily set from the outside by means of a simple pressure of a lever, makes the escape of the mouse an utter impossibility, killing it instantly and without mutilation. There is also a contrivance by means of which the dead animal can be easily removed without the necessity of handling it. This contrivance is meeting with good sales in the United States, and the firm says it is deluged with orders on Canadian account.

Amongst other lines of household utensils manufactured by this firm may be mentioned the "Cumming" corkscrew can-opener—a combination of a steel blade and a corkscrew of steel wire; the "Acme" window cleaner, consisting of a steel tube holding a rubber that when desired can be quite easily removed; a handy fruit and vegetable slicer, needing no further description, and a new style of spring lever mop called the "Best."

They are also the sole Canadian agents for a number of United States manufacturers, such as the National Sweeper Co., Marion, Ind.; The Perfection Manufacturing Co., Clayton, Mich., and The C. T. Williamson Wire Novelty Co., Newark, N.J., besides a number of others.

They will be pleased to send their illustrated catalogue and samples of any of their goods to any of our readers who write for them, mentioning HARDWARE AND METAL.

THE TRIALS OF A PAINT SALESMAN.

BY RUFF STUFF.

"Good morning Mr. Sprigbit, have you any liquid paints?"

"Yes, indeed, Mrs. Felloplate, lots of them, the 'Giraffe' brand."

"The 'Giraffe?"

"Yes."

Mrs. Felloplate: "But the 'Giraffe' has very little body."

Mr. Sprigbit: "That's so, but it has lots of neck—far reaching. See the point? The 'Giraffe' brand spreads well, covers well, looks well, wears well, will not chip, chalk, flake, powder, creep, crawl, fade, crack, tack or blister."

Mrs. F.: "Dear me, how very peculiar. Do the colors stand out well?"

Mr. S.: "Yes ma'rm. They will stand out clear and sharp like quills on the back of the fretful porcupine, and no mistate!"

Mrs. F.: "Are your paints elastic? I want some for the folding-doors between the drawing-room and the woodshed."

Mr. S.: "Elastic? certainly; just the paint for folding-doors, because it will go and come, contract and expand, moreover, notwithstanding, likewise, nevertheless, to suit the occasion. The 'Giraffe' brand is the great universal paint. Licks all creation into fits and knocks everything into a cocked hat!"

Mrs. F.: "Lor', I think I'll try some."

M. S. (with a deep sigh): "Thanks. What color?"

Mrs. F.: "Maria Jane wrote it down, because she is so particular. Here it is, Half a pint of heliotripe.' I'll take a pint. I like to order liberally!"

Mr. S.: "Heliotrope, you mean. Will you take anything else?"

Mrs. F.: "Yes, I'll take a color-card. Good day!"

(Exit Mrs. Felloplate, leaving Mr. Sprigbit so elated at the big sale that he grabs some coil chain and tries to do the Sandow act by breaking it across his knee)

THE B. GREENING WIRE CO., LIMITED



ESTABLISHED 1859

Office and Works:
HAMILTON, ONT.

Eastern Depot:
422 St. Paul Street,
MONTREAL.

A Few . . .

Seasonable Lines:

WIRE Steel, Plain and Galvanized. For hay-baling, fencing, coppered spring, coppered soft, tinned mattress and broom, galvanized hard coiled fence wire.

GALVANIZED NETTING

for all purposes. All meshes, widths and strengths in stock.

PAINTED SCREEN WIRE CLOTH

All widths, 18 to 48-inch kept in stock.

WIRE CLOTH

Copper, Brass, Steel and Galvanized. All meshes and strengths for all purposes.

TRACE CHAINS

Improved quality.

Brown's Patent Steel Wire Chains

Coil, tie-out, halter and dog chains, etc. Special chains made to order.

Greening's Patent Cattle Chains

and stall fixtures. Samples now ready for fall trade.

WIRE ROPE

Standard and Lang's Lay. For derrick use, passenger and freight elevators, mining, tramways and other purposes.

Coppered Steel Furniture Springs

All standard sizes kept in stock.

STEEL WIRE DOOR MATS

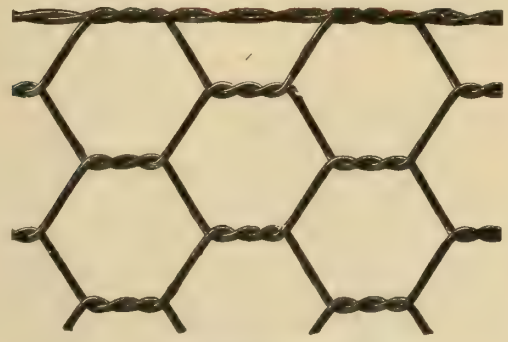
Most sanitary and durable mat on the market. Made either plain or lettered.

PERFORATED SHEET METALS

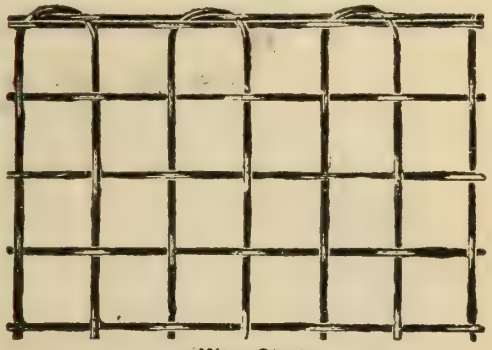
Zinc, Copper, Brass, Steel, Galvanized Iron. For all purposes.

FOUNDRY SUPPLIES

Riddles, Steel Brushes, Bellows, Shovels, etc.



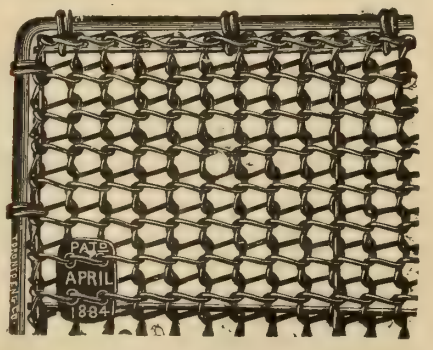
Galvanized Netting



Wire Cloth



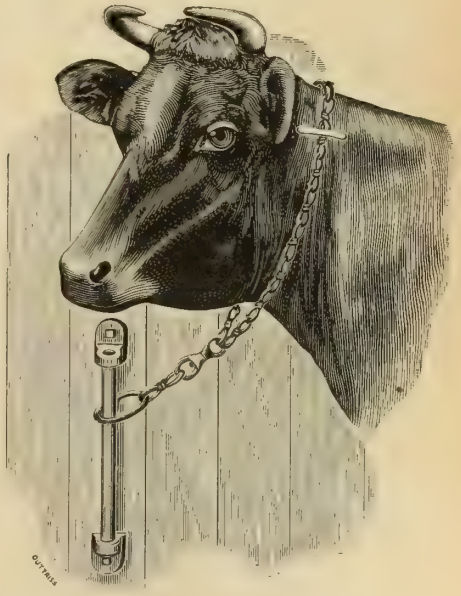
Wire Rope



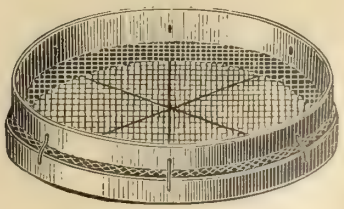
Wire Door Mats



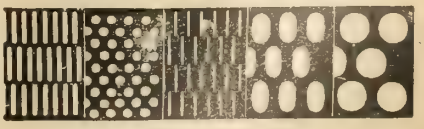
Chains—Brown's Patent



Cattle Chains



Foundry Supplies



Perforated Metals

Our last Catalogue is dated January 1900. For Quality of Material and Workmanship our goods are STANDARD IN THE MARKET

Where and How Galvanized Iron is Made.

WHILE there are countries where galvanized iron is used much more largely than in Canada, for roofs and even walls of buildings, there are probably none where it is adapted to such a variety of uses. As an English manufacturer visiting the country recently said: "When I remark on your substantial stone fronts, stone cornices, and so on, I am at once told that it is not stone at all, but galvanized iron. You seem to use it for everything here." And that being the case, a short description of a galvanized iron works may be of interest. For this purpose no better selection could be made than the works of John Lysaght, Limited, which is the leading enterprise of its kind in the British Empire.

Forty odd years ago the late John Lysaght started a galvanizing business in Bristol, at first buying the black sheets, but later acquired a large rolling mill in Wolverhampton, which until recent years had been the great centre for the sheet iron trade. New conditions, however, have resulted in steel replacing iron in the manufacture of the better grades of sheets, and the sheet steel trade, like the tinplate trade, has been largely concentrated near the seaboard in South Wales, saving freight on such raw materials as are imported and on the finished product for export. On this account John Lysaght, Limited, have removed their sheet mills to Newport, where they have a large tract of land, nearly 80 acres in all, with a frontage on the River Usk, enabling large sea-going vessels to discharge and load at their own wharf. These mills are equipped with the most modern machinery, embracing American as well as British improvements, and are claimed to rank second to none in the world. A considerable portion of the output at Newport is sold for various manufacturing purposes, Lysaght's "dead flat" sheets being specially well known, but the great bulk is shipped in the company's own boats to the galvanizing department at Bristol, directly opposite Newport, on the south side of the British Channel. Bristol is the headquarters of the company and has special advantages for galvanizing, a spelter works being part of the plant. Here the black sheets are pickled to remove all scale, then run through the galvanizing baths, the machinery used being so complete as to make the process almost automatic. After galvanizing they are rapidly dried over a fire, and the better grades are then flattened, as the galvanizing process has warped them more or less. There are two galvanizing processes, the best grade of sheets such as "Queen's Head" and "Orb" being more heavily coated than other brands. There are also two or more qualities of steel used, only the best grade being sent out for flat "working-up" sheets, while a cheaper quality answers for corrugating, which is done on a large scale at Lysaght's works. Canadians would hardly realize the extent to which corrugated galvanized iron is used, but the shipments to Australia, South Africa, South America, and other countries is enormous, and the proportion of "working-up" sheets in comparison is small. The packing-room at Bristol affords an interesting sight, with its great piles of iron for markets all over the world.

At another point on the outskirts of Bristol, Messrs. Lysaght have a large plant for the manufacture of galvanized wire netting, and a very extensive structural iron works, the latter an outcome of the demand in certain countries for buildings made entirely of iron, with corrugated iron walls and roofs. Numbers of these buildings are manufactured in Britain, and sent out to be erected at destination.

The successful management of such an extensive business as that of John Lysaght, Limited, with its branch offices and warehouses all over the British Empire and in other lands, demands more than ordinary business ability. The late Mr. Lysaght was a man of strong character, indomitable energy, and great executive ability, and he established and carried out most successfully a system of agencies in all the leading markets. The present company is presided over by his son, Mr. F. P. Lysaght, and is ably managed in every department. The managing director, Mr. Sidney R. Lysagt, a nephew of the late Mr. Lysaght, is not only prominent in commercial life, but is well known as an author of no mean ability. His brother, Mr. William R. Lysaght, takes personal charge of the large interests at Newport, and has a thorough grasp of every detail of the manufacture of sheet steel. Mr. Edward Davey, the secretary, and Mr. Henry G. Hill, the accountant of the company, are men of exceptional business ability, and those in charge of the practical manufacturing are the most experienced and capable who can be found for their respective positions. The attention to detail and careful inspection of material at every stage of the manufacture, which have had so much to do with the building up the reputation of British goods in the world, have always been maintained in these works, the personal element never being destroyed by the great increase of output.

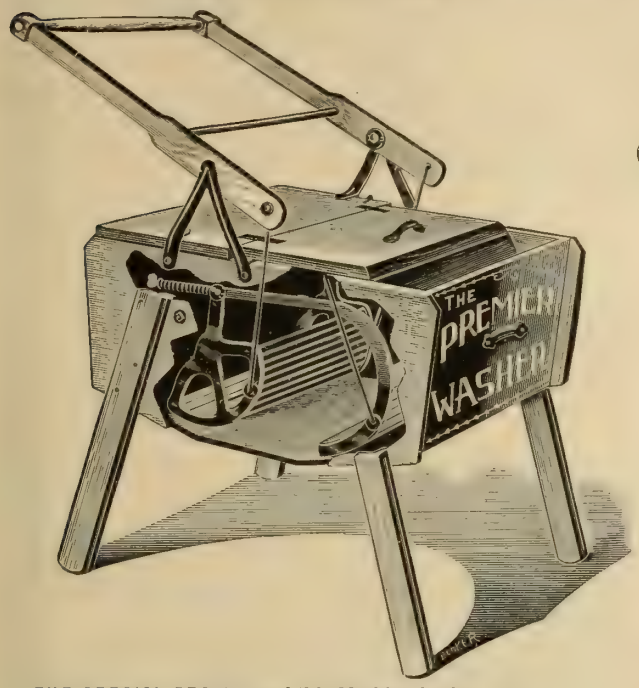


John Lysaght, Limited, General Offices, Bristol, Eng.

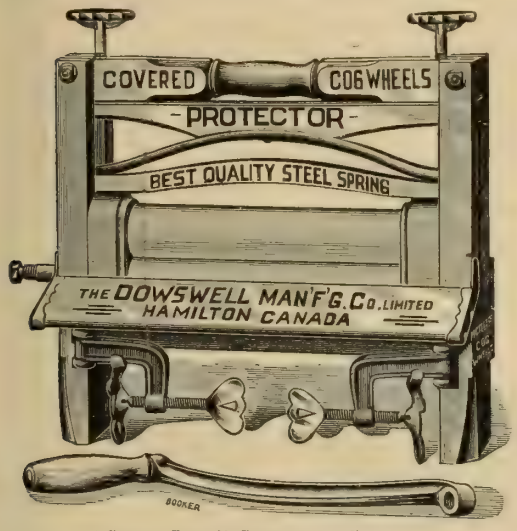
The Canadian agency for the late Mr. Lysaght's goods was placed with the late Mr. A. C. Leslie, of Montreal, in March, 1872, and the connection, which has grown to large dimensions, has remained unbroken for 30 years. In 1897, Messrs. Lysaght established their Canadian business as a branch house instead of an agency, in order to become more closely identified with the Canadian trade, and are giving more attention than ever before to this market.

THE PREMIER WASHER

Patented in Canada and United States.



THE SPECIAL FEATURE of this Machine is the very even adjustment of pressure obtained by means of strong spiral steel compression springs. Very easy on clothes, and will wash the finest garments without tearing them.



"Sure Grip" Swinging Clamp,
For Galvanized Iron, Wood or Fibre Tubs.

PROTECTED GEAR

- Won't allow water to get into bearings.
- Removes liability of accident to children.
- Increases durability of rolls.
- No oil or grease can get on them.
- Gives greater wringing surface.
- Exposed bearings—easy to lubricate.
- Requires longer springs, giving greater elasticity.
- Simplifies care of machine.

The New Century Washing Machine



IT LOOKS EASY.
IT IS EASY.

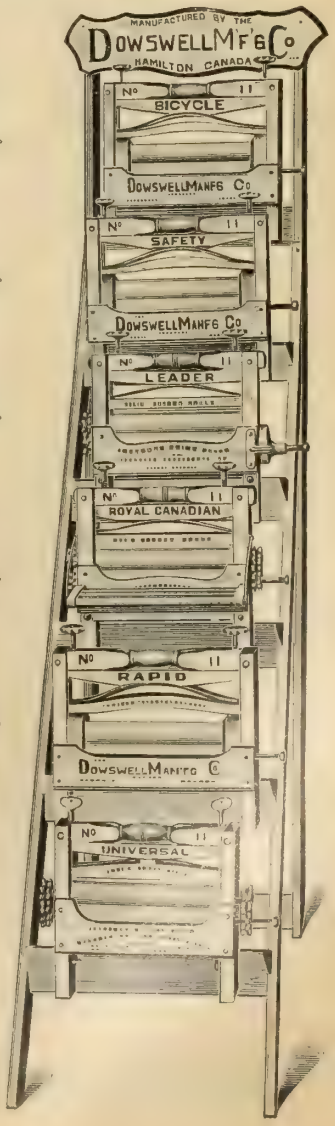
Steel Ball Bearings, same as used in High-Grade Bicycles, and strong tempered steel spiral springs render it so. No machine on the market approaches it in simplicity, ease, quickness, or thoroughness.

Equally well adapted for use in Public Institutions, Hotels, Laundries, or the Home.

The operator does most effective work while seated. Splashing impossible.

Quick Seller **Once Inspected, Soon Selected.**

SAMPLE SET AND SHOW STAND



"BICYCLE"

(Ball Bearings)

Warranted—3 years in family use ☞

"SAFETY"

(Ball Bearings)

Warranted—2 years in family use ☞

"LEADER"

(Internal Gear)

Warranted—2 years in family use ☞

"ROYAL CANADIAN"

(Metal Bearings)

Warranted—1 year in family use ☞

"RAPID"

(Metal Bearings)

Warranted—1 year in family use ☞

"UNIVERSAL"

A good low price Wringer ☞

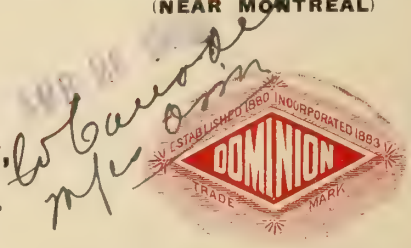
All wringers with our name stamped on the rolls have Guarantee Tags attached. See that you have the best. Rolls guaranteed from one to five years in family use, according to grade.

THE DOWSWELL MANUFACTURING CO., LIMITED HAMILTON.

DOMINION WIRE MFG. CO., Limited

Works at Dominion
(NEAR MONTREAL)

Head Office:
Temple Building,
Montreal, Que.



Branch Office:
65 Front St. E.,
Toronto, Ont.

MANUFACTURERS
OF

IRON AND STEEL WIRE — BRIGHT—BRIGHT SPRING—COPPERED COPPERED SPRING—ANNEALED ANNEALED AND OILED—TINNED MATTRESS TINNED BROOM—TINNED BOTTLING. GALVANIZED TELEGRAPH—TELEPHONE AND FENCE WIRES.

BRASS WIRE for — NAILS AND RIVETS—SPRING—SNARE WEAVING—ROUND AND FLAT FOR SCREENS.

COPPER WIRE for — NAILS AND RIVETS—MERCHANT'S USE TELEGRAPH—TELEPHONE TROLLEY—TRANSMISSION— SQUARE AND RECTANGULAR.

WOOD SCREWS — FLAT AND ROUND HEAD BRIGHT FLAT AND ROUND HEAD BRASS.

BRIGHT GOODS
WIRE NAILS
STAPLES — GATE HOOKS AND EYES—SCREW EYES— SCREW HOOKS—SQUARE HOOKS—STOVE PIPE EYES—SINGLE AND DOUBLE, STEEL AND BRASS JACK CHAIN. "CRESCENT" HAT AND COAT HOOKS. SPRING COTTERPINS.

GALVANIZED FENCE.
GALVANIZED POULTRY NETTING.
COPPERED BED. COPPERED BLIND.

BARB WIRE and PLAIN TWIST FENCING

WE MAKE A SPECIALTY OF CUT AND STRAIGHTENED ANNEALED

WIRE FOR BALING HAY, PULP, RAGS, ETC.

INSIST ON GETTING DOMINION GOODS.

The Practical Superiority of "Oxford" Lines Explains their Popularity.

Whoever Handles "Oxford" Lines Is Sure Of The Best Business Of His Locality.

Dealers who handle our famed "Oxford" lines, including every class of cooking and heating goods, realize their up-to-date supremacy by the ease with which they sell.

We shall be more forehanded than ever for 1902, and promise the trade a progressive showing of new features—the latest wrinkles in improvement crop out in every line of goods we make, maintaining the standard of excellence for which we are noted.

From Vancouver to Halifax our goods are advertised, used and praised, the name "Oxford" standing for all that is best in cooking and heating lines.

Make the most of this popularity—appropriate some of our hard-earned fame to swell your own income—write for our catalogues with fullest details of information about all "Oxford" goods, and be ready for the biggest year's business you've ever known.

The Gurney Foundry Co., Limited

TORONTO WINNIPEG VANCOUVER

The Gurney-Massey Co., Limited, Montreal.

WHAT IS GALVANIZED IRON?

THIS is the age of galvanized iron. Sixty-five years ago, such an article was unknown; to-day in any populated part of the globe you can hardly get out of sight of it. It takes the place of stone, brick and wood; of slate, tiles and shingles; of zinc and copper, of tinplates and black sheets; in fact, there seems no limit to its usefulness.

Properly speaking, it is not galvanized, as there is no galvanic action employed in casting the sheets, though in the early days of the industry this was tried, and hence the name. Neither is it iron, as all the better grades have for years been made of soft steel.

HOW IT IS MADE.

A brief account of the process of manufacture may interest some of those who use or handle galvanized iron.

The roughly rolled steel bar, or "tinplate bar," as it is usually called, which forms the raw material, is cut to lengths equal to the width of sheet wanted, heated in a furnace, and rapidly passed backward and forward through the rolls until reduced to the required gauge. When partly reduced in thickness, the sheets are folded over and rolled double, and this may be repeated more than once, so that some of the thinner gauges are finished in packs of as many as eight sheets. These packs after cooling off are sheared to the proper size, the sheets separated, annealed, and flattened by cold rolling or stretching.

They are then pickled, the acid cleaned off, and they enter the galvanizing bath which is filled with molten zinc with a small percentage of tin to produce a bright spangle.



John Lysaght, Limited, Bristol, Eng.—Packing Department.

After passing through this bath, they are cleaned, dried, flattened, and then packed in cases or bundles. If they are to be corrugated, this is done after the galvanizing.

TWO SYSTEMS OF GALVANIZING

It will be seen that there are many points in which sheets may vary—the class of steel used, care in the rolling, annealing, pickling, and flattening—but nothing is more important than the galvanizing, for on that depends the life of the sheet. There are two distinct systems in use—the "flux" process, in which the sheet passes out of the galvanizing bath through a flux and retains all the zinc that it has taken up, and the "non-flux" process, in which the sheets pass through rolls which remove part of the metal. The latter is the cheaper process and does not produce so smooth and bright a surface as "flux" galvanizing, and what is of the greatest importance, the coating is uneven and will rust through much more quickly.

"Non-flux" sheets can be easily distinguished by the "tiger marks," or whitish streaks running across the sheet, showing where it has been pinched in the rolls after galvanizing. These streaks turn black soon after exposure and will be the first parts of the sheet to rust.

GAUGE OF GALVANIZED SHEETS.

A controversy, says our London correspondent, is at the present moment taking place upon the question of the gauge of galvanized sheets. An English firm, having bought a parcel of galvanized iron, tested the weight according to official tables given in The Ironmonger diary for 1902. Finding that the weight for a given gauge and dimension did not tally with the weight stated in the invoice, they inquired



John Lysaght, Limited, Bristol, Eng.—Entrance Hall of General Offices.

as to the actual trade custom. One authority states, "If a buyer asks for 24-gauge galvanized iron, we should assume that he meant iron which, in its galvanized condition, was of 24-gauge, and that is what we should deliver." Another firm, however, say that their custom is to sell sheets which in the black are fully the thickness of the gauge specified. From inquiries made by The Ironmonger this latter course appears to be the general practice, especially among the larger makers. It would thus seem that there is no fixed rule in England governing the gauge, so that when buyers require sheets of a certain gauge it is necessary to state in the order whether the thickness refers to the material before or after galvanizing. American exporters would do well to make this point quite clear to their foreign buyers, particularly in the Australian market.—Metal Worker.

IT CUT THE WRONG WAY.

A young married woman who began housekeeping a short time ago, went into a hardware store in a Maine town and asked for a biscuit cutter. The proprietor, one of her friends, selected a small axe and, with a sober face presented the same to her. Without smiling, the young lady took the axe, put it over her shoulder and marched out of the store and to her home with it. And now the young hardware merchant is in doubt as to its being so much of a joke on the young lady.—Boston Journal.

T. WOODBRIDGE & CO.

Importers and Wholesale Dealers in

Saddlery Hardware

Manufacturers of Fine Harness,

Horse Blankets, Rubber Rugs, etc.

49 COLBORNE ST., TORONTO, CANADA

ESTABLISHED 1872 WHOLESALE ONLY

CORDAGE

ALL KINDS AND FOR ALL PURPOSES.

Manila Rope	Lathyarn
Sisal Rope	Shingleyarn
Jute Rope	Bale Rope
Russian Rope	Lariat Rope
Marline	Hemp Packing
Houseline	Italian Packing
Hambroline	Jute Packing
Clotheslines	Drilling Cables
Tarred Hemp Rope	Spunyarn
White Hemp Rope	Pulp Cord
Bolt Rope	Lobster Marlin
Hide Rope	Paper Cord
Halyards	Cheese Cord
Deep Sealine	Hay Rope
Ratline	Fish Cord
Plow Lines	Sand Lines

"RED THREAD" Transmission Rope from the finest quality Manila hemp obtainable, laid in tallow.

CONSUMERS CORDAGE COMPANY, Limited

Western Ontario Representative—
WM. B. STEWART,
Tel 94. 27 Front St. West, TORONTO.

MONTREAL, QUE.

..EVERYTHING NEW AND UP TO DATE..

D. H. HOWDEN. L. C. JOHNSTON. J. A. BROWN. J. V. GIVINS.

D. H. Howden & Company

Direct Importers and Wholesale Dealers

SHELF AND GENERAL HARDWARE CUTLERY, GUNS AND SPORTING GOODS

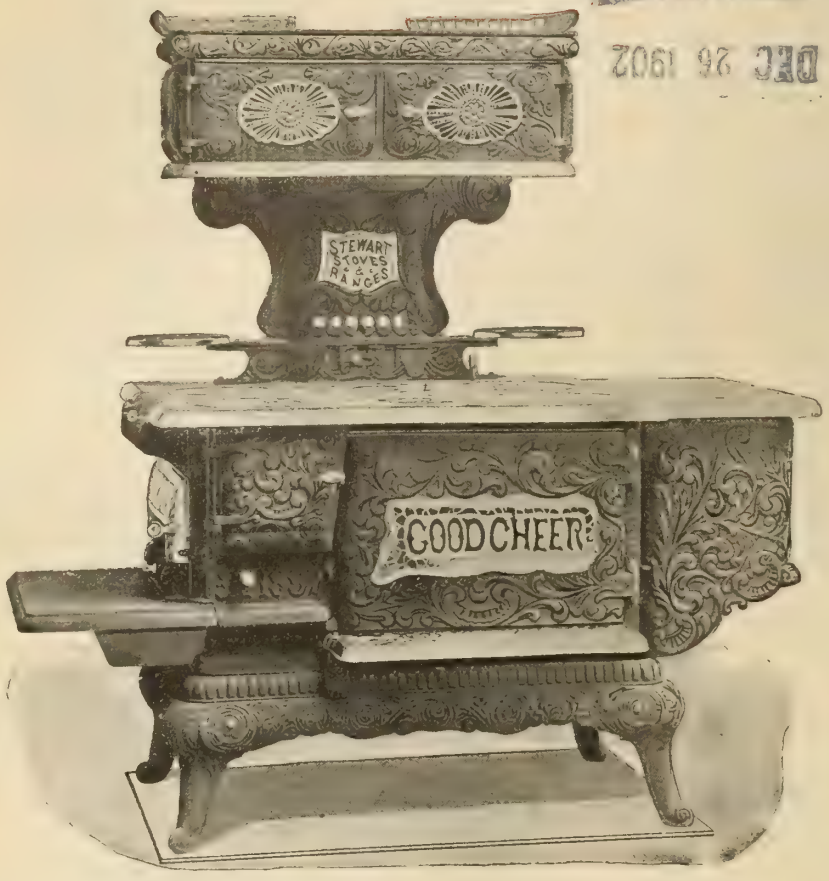
On January 2nd, we opened up a new wholesale hardware, and have the largest and finest lines of new goods ever exhibited in Western Ontario. Everything we offer is new and embraces all the latest and best goods. Our purchases are made direct from the leading manufacturers, and we are in a position to quote low prices. Any orders with which you may favor us will have our best and prompt attention.

Warerooms: Cor. Richmond St., and G.T.R. Station LONDON, ONT.

THE SPRING BOOM IS ON and we are ready for the rush.

"Good Cheer"

RETURNED
DEC 26 1902



STOVES, RANGES AND HEATERS

A FULL LINE OF

RANGES, 4-hole and 6-hole, with Steel Ovens
WOOD and COAL COOKS, with Steel Ovens
BASE BURNERS, with and without Steel Ovens
ROUND OAKS, wood or coal, Five Sizes
HOT BLASTS, for coal, Three Sizes
"SUN" HEATERS, wood or coal, Two Sizes

Made by

THE JAS. STEWART MFG. CO.
Limited
WOODSTOCK, ONT.

The J. H. ASHDOWN HARDWARE CO.,
Winnipeg,
NORTHWEST REPRESENTATIVE.

HINTS FOR STOVE AND TINWARE DEALERS.

HANDLING STOVES IN THE HARDWARE STORE.

Address by A. Rothwell, before the Ohio Retail Hardware Association.

HISTORY informs us that even before the time of Christ the early inhabitants of the Old World used braziers, in which they burned charcoal, for the purpose of not only heating the room in which the apparatus was, but by means of hollow walls the heat was conducted to other apartments of the building.

It is generally conceded that the Franklin was one of the first of American stove products, but some of our English brethren contend that our own Benjamin got his ideas from their open fireplaces.

The old six (6) plate box heater, for wood, was first made in Ohio about the year 1830, and as there were no foundries west of the Alleghanies the patterns were shipped to Maryland to be cast. The old high oven step stove soon made its appearance, and as various foundries were springing up in almost every section of the country, we find that in the year 1860 many Ohio towns could boast of their foundries making stoves, however, only in a limited manner. The dealer of to-day occasionally runs across one of these old relics and no doubt it soon finds its way to the scrap pile.

THE MODERN STOVE.

The ancient type of both heating and cook stoves have been supplanted by the modern steel range, gas range, base burner or air-tight, and it can truthfully be said "that no household article has had the many improvements and the vast amount of money expended on it as the kitchen stove or range."

The stove industry of to-day is quite an important factor in the iron and steel market, being one of the largest consumers. Some of our stove foundries of the present day cover acres of ground, employing hundreds of skilled mechanics.

Stoves are, nowadays, essential to every home, and the dealer should impress his customers that the peace and happiness of the entire household depend upon the kitchen stove or range, for it is said "the way to the average man's heart is through his stomach."

DIFFICULTY OF KEEPING POSTED.

Living as we do in such a progressive age, and with manufactures of stoves keeping up with, and in many instances ahead of the procession, it seems hard for the ordinary hardwareman to keep thoroughly posted on round flues, square flues, hot or cold blasts; slide drafts, down drafts or screw drafts: simplex or duplex; base burner, air-tight or sixty-hour heater.

The relation of the manufacturer to retailer has been, up to a few years ago, pleasant and profitable; but as conditions have changed, certain rules have been adopted by the manufacturers, which have caused some little murmurings of discontent from the retailer; the latter holding that he is compelled to stand the brunt of all complaints and losses. Owing to severe competition in his special district, he is not getting profit enough for the amount of work necessary to conduct his business; caused to claim damage for breakage from transportation companies; compelled to meet price on same make of stoves sold by cross-road groceryman, who does not carry a line of goods on his floor, but simply sells from catalogue. The department store, likewise, of late makes his business life troublesome. Personally, I can say that some of these grievances could be amicably settled if we, as retailers, would keep up with the times.

UNPLEASANT FEATURES.

Permit me, if you please, to enumerate a few of the pleasant and unpleasant features of handling stoves. How pleasant it is, after having driven some 10 or 12 miles in the country, especially on a cold day, to look after a sick stove (one that the good housewife claims will not bake on the bottom, can't do a measly thing with it, is thoroughly disgusted and makes her complaint in such tones that every customer in the store has heard her, says she has tried and tried to bake and she won't try again), to find when you look at the job of setting up this stove that the pipe is too far in the flue, or that the chimney is too low; open grate in the same flue, or the good lady did not know that the damper should be turned up for baking. Then it is that you wonder whether some people have any sense.

Now that gas ranges are being used extensively it is advisable to not only inform your customer that the pilot is for lighting the oven burners, and that it is practically useless to light burners by holding a match in the air mixer. And we often find that the reason Mrs. Brown's stove does not work satisfactorily is because she wants a range like her next door neighbor. Another very pleasing incident is to have a customer bring back to you a bundle of castings that will not fit his stove, simply because he gave you the wrong number. But then a stove is such a simple proposition, and should work anywhere, consequently the dealer should be content, always be courteous, for he will undoubtedly receive his reward in the bright hereafter.

CANADA'S FOREIGN TRADE IN STOVES.

THE foreign stove trade of the Dominion is so far only a small one. Taking both exports and imports together it was only $137,684 in 1901. But it is growing, particularly in regard to exports, which last year were 120 per cent. larger than the preceding year. The exports during the past five years were as follows:

EXPORTS OF STOVES.

1897	$3,816
1898	4,660
1899	4,253
1900	3,594
1901	8,908

The countries to which we exported stoves during the past two years and the value sent to each during 1900 and 1901 were as follows:

COUNTRIES TO WHICH EXPORTED.

	1900.	1901.
Great Britain	$ 74	$2,066
Australia	143	156
British West Indies	333	496
Newfoundland	1,019	2,449
Cuba	55	.....
France	218	.....
St. Pierre	857	989
United States	895	2,752
	$3,594	$8,908

The imports of stoves during the past five years were as follows:

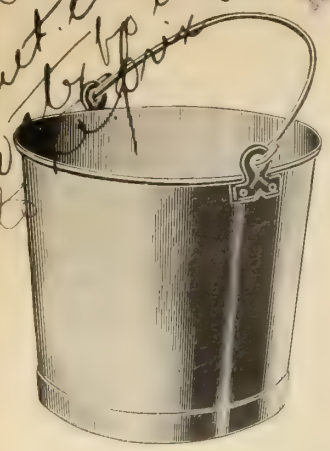
IMPORTS OF STOVES.

1897	$ 67,482
1898	88,770
1899	126,944
1900	129,864
1901	128,776

Nearly all the stoves we import came from the United States, as will be seen from a glance at the following table:

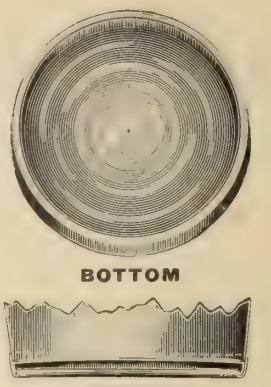
COUNTRIES WHENCE IMPORTED.

Great Britain	$ 420	$ 365
Austria	3	.....
France	.....	60
Germany	327	929
Norway and Sweden	.....	394
United States	129,114	127,035
Japan	.....	2
Total	$129,864	$128,776



"HERCULES"

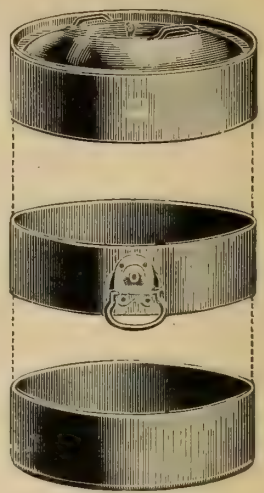
"Hercules" Dairy Pails are made of XX Charcoal Tin, with heavy bails, malleable ears, and XXXX retinned bottoms.



BOTTOM

SECTION

"Hercules" Bottoms are made with roll rim for Dairy Pails, same as Milk Can Trimmings.



Broad Hoop Pattern.

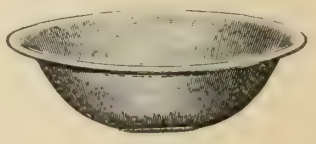
MILK CAN TRIMMINGS.

ENAMELLED WARE



OUR BRANDS:

"Crescent," "Colonial," "White," "Star" (Decorated).





"STANDARD" PLEATED ELBOWS



Made in both Dull Black and Blued Steel.

5, 6, 7, 8-inch,
ADJUSTABLE,

Readily fitting all makes of Pipe. Flat in the crimp. Easily cleaned. Holds no dirt inside or out. Long in the throat which insures perfect draught.

"APOLLO" KITCHEN RANGE BOILERS

GALVANIZED

Made of "Apollo" Open-Hearth Steel.

Severely tested at 200 lbs. before galvanizing (making tightness doubly sure) and are perfectly galvanized inside and out.



THE THOS. DAVIDSON MFG. CO.

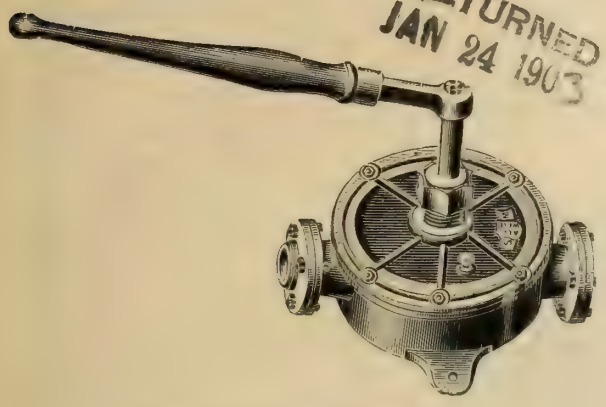
LIMITED

ESTABLISHED 1860.

MONTREAL.

INCORPORATED 1895.

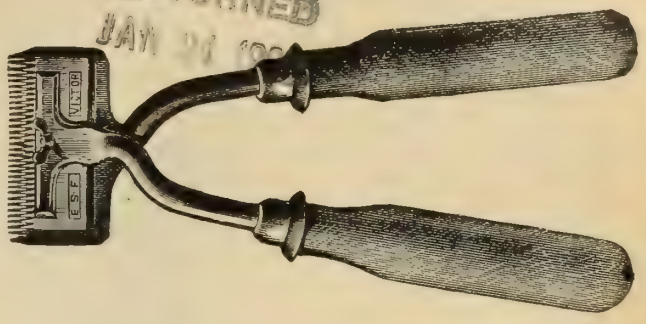
Here are a Few of Our Lines:



"The Wing" Pump,
Double and Quadruple Acting.

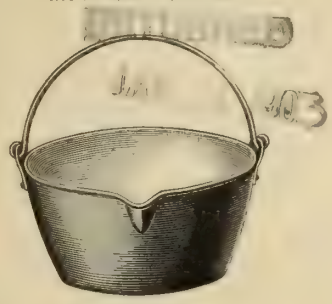


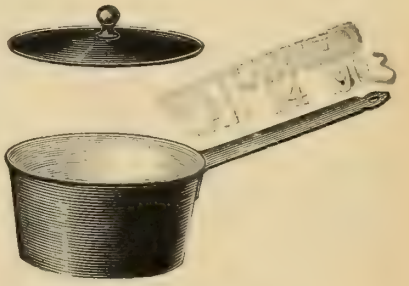
"Tandem,"
the King of all Metal Polishes.



The "VICTOR" Clipper.
We also handle Toilet Clippers in all sizes.







ENAMELLED WARE—All colors, from the best European manufacturers.

German Hardware,
German Cutlery and Razors,
"Stacey Bros." English Cutlery,

Potosi Silver Co. E.P. and White Metal Spoons, Forks, etc.,
"Tandem" Anti-Friction Metal,
Dannhauser's Gold Leaf, etc., etc.
Belgian Firearms,

Henckel's Celebrated German Razors,

The "Cutwell" Razor,

The "Arbenz" Razor.

IRVING CUTLERY Co
This mark on Medium Grade Cutlery.

A★1
This mark on Best Cutlery, Razors, Scissors and Hardware.

FULTON CUTLERY WORKS
This mark on Common Cutlery.

THESE MARKS ARE A GUARANTEE OF QUALITY.

Sole Canadian Agents The Columbian Hardware Company, Cleveland.

Lamplough & McNaughton,

9 De Bresoles St., MONTREAL.



Over 50 Years of Stove Building Success

While the season of nineteen hundred and one has been the greatest in our experience, we must do more in 1902. With our increased facilities for the manufacture of goods for the ensuing year, we will be in a better position than ever to take care of our numerous customers and their business.

The **NEW LINES** which we are preparing for the coming season, together with those so well and favorably known, will enable our agents to be in the front rank, with not only standard lines but with quick-selling up-to-date specialties, which are the money-makers and command the business.

The
D. Moore Company
Limited

HAMILTON.

Manitoba Agency:
MERRICK, ANDERSON & CO.,
WINNIPEG.

British Columbia Agency:
JOHN BURNS, JR.,
VANCOUVER.

GIVE INSTRUCTIONS TO PURCHASERS OF STOVES.

By an Observer.

STOVE and furnace dealers would be saved time and unpleasantness if more pains were taken to properly instruct their customers in regard to the management and care of same.

There are a great many people, who, notwithstanding years of experience, do not appear to possess the knack of properly looking after a stove. Some of them possibly never will learn, no matter what pains may be taken to teach them. But the great majority of people are teachable.

Printed instructions are all right as far as they go. And every stove and furnace sold should be accompanied with printed instructions. But the dealer should not depend alone upon these. There are some people who never read instructions, while there are others who seem to be too dense to understand them when they do read them. It is all very well to say that such people do not deserve to be instructed. But it must not be forgotten that, while they dwell in ignorance regarding the proper care of a stove or a furnace, the reputation of such stove or furnace is in danger of suffering. It is this that should be the concern of the manufacturer or dealer, and it is this that means should be taken to prevent. In addition to printed instructions, there should, therefore, be both verbal and ocular instructions. By ocular instructions, I, of course, mean teaching by actual demonstration, "how to do it."

It was only the other day that was demonstrated to me the necessity of proper instruction being given to purchasers of stoves and furnaces. A friend of mine had purchased a small heating stove. The man who was sent by the dealer to put it up left not a word of instruction in regard to dampers or anything else. He just put up the stove, and, no doubt, considered his duty ended there.

Shortly after he left fire was kindled in the stove. And then there was consternation. Smoke poured from the stove in volumes, and soon several rooms in the house were filled with it. And although the day was cold, doors and windows had to be opened in order to make the house habitable. Each experiment met with a like result. The good housewife looked for dampers, but found none. And finally in disgust gave up the attempt to kindle a fire.

Just at this stage I called, and forthwith was consulted. The stove was a make I never remember having seen before. I examined it carefully, but for some time without any result. But, just as I too had given up in despair, I by mere chance discovered the handle of the damper in a little dark out-of-way recess of the stove.

"Well, I never would have thought of looking there for the damper," remarked the purchaser.

"Nor I, either," I added.

The next attempt to kindle the fire was successful. And the stove that promised to be a source of discomfort turned out to be a source of much comfort. But with very little thanks to the forethought of the dealer, however.

TWO USEFUL PATTERNS.

THE accompanying diagrams of patterns are from recent issues of The Metal Worker, and will doubtless prove of interest to some of the readers of Hardware and Metal. The first illustration shows a pattern for

A ROUND DISHPAN

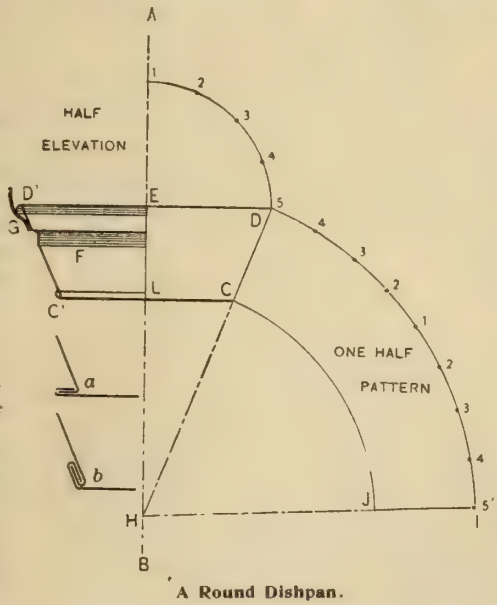
without allowance for laps, which can be made in two or more pieces of I C or I X tin with grooved seams. First draw any line, as A B, upon which place the height of the pan, as E L. From E and L at right angles to A B draw the lines E D and L C to their required dimensions, and draw the line D C, which extends as shown, until it meets the centre line at H. Then with H as centre and radii equal to H C and H D, draw the arcs C J and D I respectively. Now, with E as centre and E D as radius describe the quarter circle D 1, which divide into equal spaces, as shown by the small figures 1 to 5. Set the dividers equal to one of these spaces, and starting at D step off twice the amount of spaces contained in the quarter circle E 1 5, as shown by the small figures 5 to 1 to 5′ on the arc D I. From 5′ draw line to the centre H, intersecting the inner curve J C at J. Then will C D J I be the one-half pattern for the dish-pan.

The bottom to the pan is double seamed. The first operation is shown by *a*, the second and final operation by *b*, D¹ E L C¹ shows a half elevation of the finished pan. Using the small beader, a bead is placed as at F. Tinned iron handles are riveted in position, as at G, and a wired edge is made at the top.

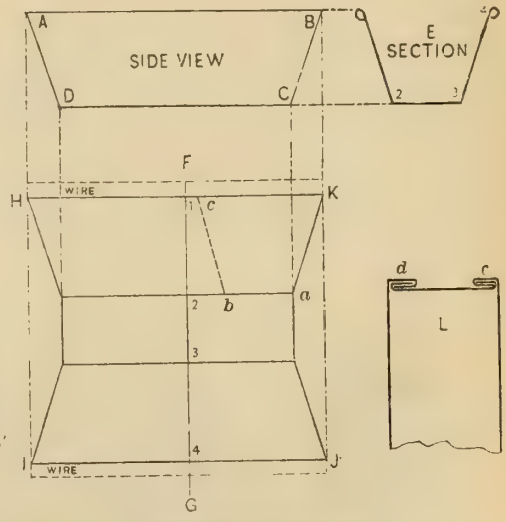
PATTERN FOR A BREAD PAN.

The second illustration shows a pattern for bread pan without allowance for laps. This pan can be made of tinplate or sheet iron, and can be bent over the hatchet stake if no brake is at hand. The top edge is wired, and the ends double seamed. Let A B C D, in the illustration, be the side view of such a bread pan, having equal flare on four sides, and E the section, showing the amount of material required for the body of the pan, as indicated by the small figures 1, 2, 3 and 4. For the pattern draw any line, as F G, at right angles to D C, upon which place the stretchout of the section E, as shown by the small figures 1 to 4 on F G. Through these small figures and at right angles to F G draw lines, as shown, which intersect with lines drawn from similar points in side view, as shown. Trace a line through intersections thus obtained, as shown by H I J K, which will be the pattern for the body of the pan. As the flare of the pan is equal throughout, as before mentioned, then for the pattern for the end pieces simply take the distance 3 to 2 in section and place it, as shown, from *a* to *b* in pattern, and the distance 4 to 1 in section and place it from K to *c* in pattern. Connect these points, when K *a b c* will be the pattern for ends. Allowance for wire is shown by the dotted line. Diagram L shows the method of double seaming the ends or heads to the body, as at *d* and *e*, showing that single edges must be allowed to the ends and double edges to the body of the pan Wire rings can be riveted to the ends desired.

TWO USEFUL ARTICLES.



A Round Dishpan.



Pattern for a Bread Pan.

WHAT SHOULD A TINSMITH KNOW?

IN answer to the question, "What should a tinsmith know?" a writer in The Metal Worker, who signs himself W. A. F., says:

"As a first requisite the average employer wants a young man; next, he must have had a certain number of years' experience in each of from three to a dozen different trades. How any man can yet remain young after such an expenditure of time is an unsolved mystery, but the tinsmith is expected to do it, along with other things almost as difficult. If a young man is unusually bright, and has the opportunity, he may be able to acquire a good working knowledge of more than one trade, but life is too short for the average man to become proficient in more than one. It is proverbial that "jack-of-all-trades is master of none." Versatility may have its uses, but the versatile man is not the one usually selected for special work.

What a tinsmith should know depends very much upon where he is located. If in the country, he will have to do more or less work, which in cities and large towns falls to the lot of the plumber, the steamfitter and other mechanics. But no matter where located, an "all-round tinsmith," as the advertisements generally read, means just what it says. He is expected to do any and every thing that comes along. What he really should know is his own trade first. That is, he should be able to cut patterns, and make up almost anything that can be made of tin or sheet metal. After that, if he has the opportunity to acquire a smattering of other trades it is, of course, to his advantage to do so. But it is not reasonable to expect him to be an expert in more than one."

THE LABOR ON STOVEPIPES.

Some curious statistics on the amount of human energy expended in the manufacture of stovepipe were recently given to a paper in the United States by an expert sheet metal worker. "Few realize," said he, "the amount of work required to make one joint of stovepipe. I have figured the amount out about this way:

"The first thing the sheet of iron is unloaded on our back walk, put on the elevator, hoisted to the third floor, unpacked and put on the cutting bench. Then it requires two motions of the feet and four more of the arms to cut each joint, four motions of the arms to edge, eight revolutions of the crank to form it, four of the arms to feed the rollers, six motions to operate the grooving machine, four motions of the arms and six strokes of the hammer to rivet it; four motions of the arms and four revolutions of the crimper crank, six more to join two joints together (to see if they will fit) and four more motions to put them on the shelf.

"Thus there are 56 motions required for each and every joint. Our yearly output for each fall is about 20,000 joints, which represents 1,120,000 motions of the human body. A joint of 6-inch pipe is 20 inches wide, 24 inches long and contains 280 square inches, consequently the output of 20,000 joints requires 5,600,000 square inches of steel surface."

TWO QUESTIONS REGARDING STOVES.

During the recent convention of the Wisconsin Retail Hardware Association two questions were produced from the question box in regard to the stove trade.

One was: "Is it advisable in towns of less than 1,000 population to push the sale of hot air furnaces instead of heating stoves?"

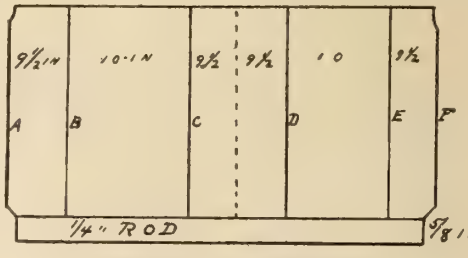
The advice given by those who had experience was that if a merchant does not have in his employ a first-class tinner who can put in a furnace, he is better off without the furnace business. A ripple of laughter was caused by a member who stated that in handling furnaces "You get old stoves for your profit."

The other was: "Why are retailers pledged to carry freight on stoves until the invoices are paid?"

This question was explained as relating to cases in which manufacturers assume freight. It was answered that freight is cash and must be paid. Those who buy on credit cannot expect manufacturers to pay their freight. In such cases a cash discount is deducted from the full amount, not deducting the freight.

COPPER WASH BOILER.

A correspondent of the American Artisan recently furnished that journal with a pattern for making a copper No. 9 wash boiler from a copper sheet 5 ft. long and 14 in. wide. His instructions were as follows: With sheet laid on bench, trimmed side up, cut off from length 1½ in., and from



Pattern for No. 9 Wash Boiler.

each side of centre of sheet lay off 9½ in.; also from each end, 9½ in., which leaves 10 in. on each side "approximate." (See illustration). Notch corners of sheet for boiler rod and bottom seam, next turn lock on ends, same as you would for ordinary tinware. Turn down ⅝ in. on bench for ¼ in. boiler rod, and wire same with wireing machine.

To form "Perfect boiler": First, cut out bottom 22¾ in. long, 12½ in. wide, and burr up; now cut a piece of wagon box iron ⅞ in. wide, in length to correspond with the distance from A to B; form in rollers, turning bevel sides of iron inside, shape to fit inside of burr of boiler bottom, forming one-half of one end. Cut another piece, and form from C to D, forming entire end. Now adjust rollers and start boiler sheet and form, placing form on top of sheet, care being taken not to set roller so tight as to cut copper, and roll both from F to E; remove form and slide sheet through rollers to D, and on line D place next form and roll to C, then finish with first form from B to A It is a good plan to start ends of sheet with mallet before rolling.

With a little practice you will be able to form a perfect boiler, and in less time than any other method I know of. This plan can be used on any size of boilers, tin or copper.

Swedge with O. G. swedge, but not too deep, and finish to suit your taste. This size boiler will take the pressed covers O K.

THE "SUN" HEATER.

PROBABLY no stove attracted more attention during last season than the "Sun" heater, the improvements which had been made in it by the patentees having much improved its already excellent heating properties. As those in the trade are aware, the "Sun" is a down-draft heater. During the past winter, HARDWARE AND METAL has met with a number of people who use the heater, and all spoke most highly in its commendation.

The great heat which this stove gives out, in comparison with the quantity of fuel used, is due to the fact that the deflecting-plate extends from side to side, completely around and above the back of the fire-pot, leaving just sufficient space at each side between it and the jacket for the escape of smoke, thus causing the heat from the burning fuel to pass around the upper portion of the hot-air tubes, and against the body of the stove. The result is that there is not a cold spot in the whole stove And even a few sheets of paper will cause the heater to become hot. Through the feed which is attached, a continuous fire may be kept up during cold weather.

TINS FOR FRUITS, MEATS, ETC.

James A. McGolpin, manufacturer of tinware, Toronto, has removed his plant to more commodious premises at 156 to 162 Duke street, Toronto. He has also added improved machinery and otherwise increased the facilities of his factory, being now in a position to supply the trade with fruit, meat and oil cans, lard pails, baking powder tins, etc., etc. The move has been necessitated by a largely increasing business.

THE WISE MAN.

The wisest advertiser is the most patient and philosophic one, says Printers' Ink. He has discounted results before starting. He neither expects returns too soon nor too large, but having mapped out his campaign, does not vary his course until he has given his advertising every chance.

Special Cut Prices

BICYCLE SUNDRIES

LAMPS

20th Century Gas	Electro Gas	Searchlight Oil	Matthews & Willard Oil	Queen and Leader Oil
$1.80	$1.40	$1.50	$1.10	75c. each

CYCLOMETERS

Veeder	New Era	Standard	Spalding
$6.00	$6.00	$3.25	$3.00 dozen

BELLS

New Departure . . .	D 7½—$1.90	E 9½—$3.00	E 6½—$3.00	E 7½—$2.50 per dozen
Bristol Bells	No. 122—$1.90	No. 190—$1.30	No. 322—$2.95	No. 413 - $5.35 per dozen

TOE CLIPS—50c. per dozen pair. LAMP BRACKETS—35c. dozen. COASTERS—$1.00 per dozen pair.

Full Line of Eclipse Cements and Oils, Etc. Coles' "3 in 1" and Lubricants.

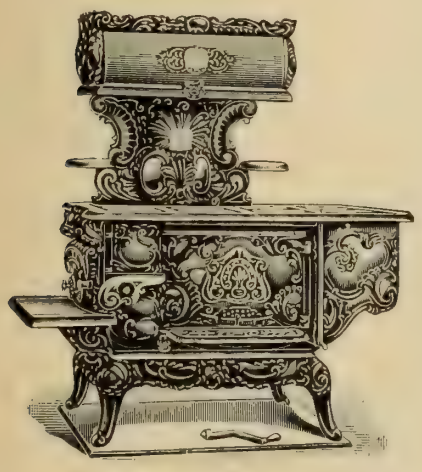
"WELLINGTON" HIGHEST-GRADE BICYCLE Made in America **$20.00**

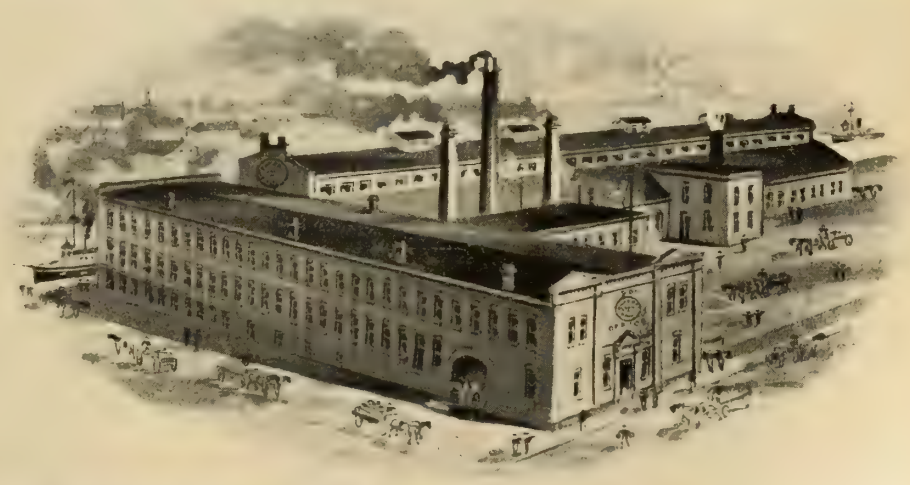
Dunlop Tires. Brown's Saddles.
Complete Bicycle Catalogue on application.

Caverhill, Learmont & Co.

89 ST. PETER STREET, MONTREAL.

WHERE "FAVORITE" STOVES and RANGES are made.



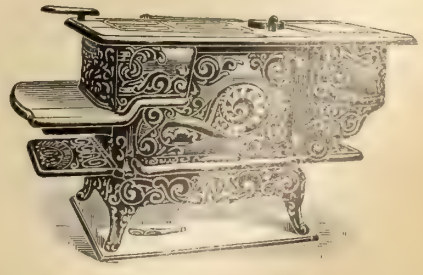




Our Stoves and Ranges

ARE

Modern, Attractive, Easy to Sell,
and Our Prices are Right.



FINDLAY BROS.,

CARLETON PLACE, ONT.

HORACE WILSON, WINNIPEG, Sole Agent for Manitoba and N. W. T.

BUSINESS MEN IN THE PUBLIC EYE.

MR. JAMES ROSS.

ONE of Canada's business men who can always be depended upon to look, first of all, after the interests of the country, is Mr. James Ross, who is to be the next president of the Dominion Iron and Steel Company, and who is now its vice-president and able managing director. In arousing Canadian monied men to a sense of their duty and also to a realization of their own interests in investing in domestic enterprises, Mr. Ross has done a good deal, both directly and by his own example.

Canada is a good place for Scotchmen. This is apparent by the numbers of them who have made big names and big moneys here; and to say that the subject of this sketch is one of the most successful of Scotch-Canadians is to say a great deal, but to say it truly.

Mr. Ross is by profession a civil engineer, having received his training in Scotland, where, before coming to Canada, he held several responsible positions in railway and harbor works. He was employed in various works in this country also, but his first great prominence came with the construction of the Canadian Pacific Railway, when, in the difficult passes through the Selkirk and Rocky Mountains, he displayed an engineering ability that brought him an enviable reputation. Since then he has been connected with a number of street railways in Canadian cities, and those of Montreal, Toronto, St. John and Winnipeg owe much of their success to Mr. Ross' energy and ability. He has by no means confined his attention to Canadian enterprises alone. Together with Mr. William Mackenzie, he acquired the tramway of Birmingham, England, intending to make it an electric system; and these two gentlemen are now building electric railways in Jamaica, having obtained a charter from the Government of that island. In Argentina and Chili Mr. Ross has an option of constructing railways amounting to more than $20,000,000. Apart from works of this kind, different institutions in Canada have claimed his attention. He is on the board of the Bank of Montreal; a director of the Canada Life Insurance Company; a governor of McGill University, and a governor of the Royal Victoria Hospital, Montreal.

Besides his many pronounced traits of character—for it need not be said that with so much force, ability, success and Scotch, Mr. Ross has much individuality—one of his strong points is his Canadianism, and this, notwithstanding that he is Scotch by birth and lived in his native land for years after attaining manhood. The changes in the management of the Dominion Coal Co. and the Dominion Iron and Steel Co. are, no doubt, partly owing to this feature in his make-up.



MR. JAMES ROSS, MONTREAL.

They afford an example of the interest he has always shown in nationalizing our industries, and bringing the huge enterprises he is connected with, as much as possible, into Canadian hands.

MR. J. R. BOOTH.

We are very well accustomed, when looking over a sketch of a prominent Canadian business man, to read, "he came to Canada in such a year." It is a decided relief, then, to come upon a gentleman in the front rank of our commercial affairs, and find that there was no need for him to come to Canada, he having been so fortunate as to have been born here.

Such a man is Mr. John R. Booth, "The Lumber King of Canada," as he has often been called. To become a lumber king requires the same methods of procedure as to become a merchant prince. The formula is, "Mind your own business." Mr. Booth had this by heart when he went to Ottawa from his birthplace, Waterloo, Quebec, in 1857, being 31 years of age.

The first thing he did in Ottawa was to see that everybody else had missed a big opportunity in making use of the power from the Chaudiere Falls. He erected there a modest little sawmill, which was the beginning of the present immense plant, the largest in that great lumber centre. Several times fires, more or less disastrous, occurred in the mills and about the yards, and it was thought advisable to reduce the extent of the works. In the great fire in Hull and Ottawa two years ago, the Booth mills alone escaped damage.

To convey some idea of the extent to which the business grew, it may be said that at one time Mr. Booth controlled more than 1,000 square miles of timber limits, from which the annual cut was about 25,000,000 feet of lumber.

Mr. Booth was the virtual owner of the Canada Atlantic Railway, which he began building in 1881. When the road was continued to Parry Harbor he constructed splendid terminal facilities at that place. The sale of this road a few weeks ago to the Vanderbilt interests caused Mr. Booth to loom up in the public eye larger, perhaps, than before. At any rate, the public began to talk about him with added interest.

Other enterprises have owed their inception and success to him, and all these are Canadian. He is a practical patriot, and has several times shown his faith in this country by undertaking important projects into which other capitalists did not care to venture.

That all of these have resulted successfully speaks well for Mr. Booth's judgment and management.

Mr. Booth has been the centre of business enterprise in the Ottawa Valley; and in nothing was his courage and business foresight more strikingly exhibited than in his undertaking the building of the Canada Atlantic Railway, already becoming one of the great routes for bringing the grain of the West to the Atlantic seaboard. Although he has passed the allotted three score and ten, it is to be hoped he will be spared many years to lend his counsel and expend his energy in developing the industrial life of the Dominion.

A cut of Mr. Booth will be found on page 88 of this issue.

FISHING TACKLE for Hardware Dealers

Our stock of fishing tackle is admittedly the finest in Canada, our range the most complete. Fishing tackle shows you 100 per cent. profit if you buy right. The fact that the largest dealers in Canada buy exclusively from us is proof that our prices and assortment are right. Orders filled same day as received. Write for Catalogue and Prices.

C. H. WESTWOOD & CO., Limited

Successors to
The Wilkes-Westwood Co., Limited,

62 Bay Street, TORONTO.

WHEELER & BAIN

Manufacturers of



Galvanized Iron Eavetroughs, Corrugated Conductor Pipe, Corrugated Roofing and Siding, Cornices and Skylights, etc.

Write for Our Prices on GALVANIZED IRON SHEETS.

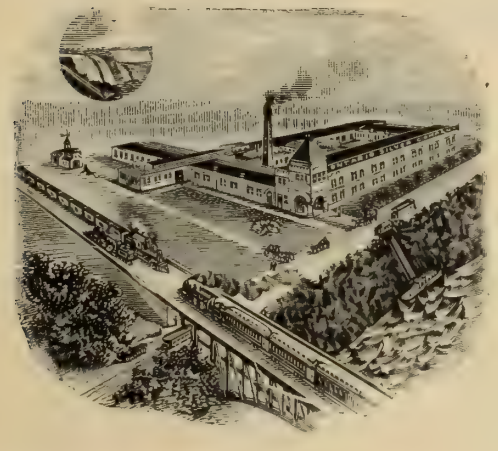


179 King St. East.
108 George St.,
TORONTO.

Ontario Silver Company

NIAGARA FALLS, ONT.,

L. McGLASHAN, President and Manager.



MANUFACTURERS OF

TABLE CUTLERY
NICKEL SILVER
and
ELECTRO PLATE
FLATWARE

Our Representatives . . .

MARITIME PROVINCES—W. B. Murdock, Amherst, N.S.
QUEBEC—J. McKay Rose, 452 St. Paul Street, Montreal.
ONTARIO—T. Mortimer, 27 Front Street West, Toronto.
MANITOBA AND NORTHWEST—W. G. McMahon, Winnipeg.
BRITISH COLUMBIA—J. Burns, Jr., Vancouver, B.C.

AMERICAN FACTORY,
E. G. CLARKE, Manager. MUNCIE, INDIANA, U.S.A.

LITTLE IDEAS WHICH HAVE MADE MEN RICH.

TRAMPING through Reading, with his pack on his back, John Venner, according to an English paper, stopped at a little baker's shop to buy a penny roll, all he could afford for his evening meal. He got outside the town, sat down, and began to eat his humble supper.

Suddenly his teeth struck something hard. It was a sixpence, which had by some accident fallen into the dough while it was being mixed. After a moment's rejoicing at his good luck, a happy thought struck Venner. Why not advertise rolls with coins in them, or, better still, packets of sweets with prizes in the shape of money in every tenth or twentieth packet?

Venner kept the idea to himself, and as soon as he could save a few shillings out of the slender profits of his trade as pedlar he bought a pound or two of sweets, put them up in penny packages, and concealed a small coin in several of the packets. The scheme caught on like wildfire, and in a few days the man was obliged to hire an assistant to help to put up the sweets. That was 42 years ago, but when the prize-packet pedlar died in 1878 he left a fortune of over $70,000.

Loafing in the sunshine on the cliffs seems at first sight to be hardly a profitable occupation. But an afternoon on the short turf of the rocks near the Lizard put into Alfred Weston's head an idea which is bringing him to-day thousands a year.

It was a very calm day, and as Weston lay there, gazing into the deep water below the cliff, he became aware that he could see right down through the glassy surface to the seaweed-covered rocks fathoms below. He could even make out the broken timbers of an old

WRECK THIRTY FEET BENEATH

the water. "If," he thought, "I can see to the bottom of 30 feet from a height of 150 feet, I can see much deeper from a height of 1,000 feet."

Weston immediately began experiments, in company with a friend who was interested in ballooning. These were so successful that the two are now directors of the Great Lakes Salvage Co., which is at work on Lakes Erie and Superior, locating wrecks of coal and grain boats. Their last achievement was the winning of the $25,000 reward offered by the millionaire Dixon Robey for the recovery of the bodies of his two sons, who went down five miles from shore in the yacht "Sunrise."

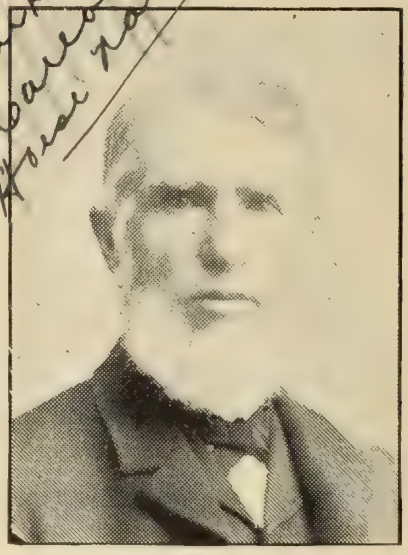
Mr. John Cook, founder of the great firm which bears his name, began life in a printing office. He owed his great fortune, and Cook's Tourist Agency its beginning, to a happy thought which came into his head one day during the Great Exposition of 1851. He was then only 17; and his father, who was a temperance lecturer, was very busy organizing excursions from his home in Derby to the Exposition.

"Why not try other towns

AS WELL AS DERBY?

thought young Cook. And why should not the mill-hands see the wonders of London? The thing was to capture them while they still had their wages in their pockets.

On the following Saturday young Cook appeared in Leicester with an empty excursion train. Meantime, his agents were parading the town with a brass band and a number of empty vans. The mill-hands, just leaving work, were caught by this novel attraction; and before the Exposition was over Cook had helped to convey no fewer than 165,000 visitors from the Midlands to the Exposition.



MR. J. R. BOOTH.

Many people have made fortunes from newspapers, but no one, probably, in so curious a fashion as Mr. Francis Allen, a London solicitor. This gentleman had to wait half an hour for his train at Shrubhill Station, Worcester, so strolled into the waiting-room, and picked up a half-sheet of newspaper which lay upon the table.

He began reading an account of a cyclone in America. The wind was so furious, said the writer, that planks from the boardwalks were driven through the houses, and chickens were found stripped of their feathers.

"What a delightfully easy way of plucking chickens!" thought Mr. Allen, who, during a recent fishing trip in Wales, had been obliged to help once or twice in preparing a pullet for table. He went on to consider that it would be possible to get a tremendous current of air from electric fans. The project was found to be perfectly feasible, and many large firms are now paying royalties on the

CYCLONE CHICKEN PLUCKER.

It was the simple operation of filling a fountain-pen that gave Mr. Theodore Gilyard the idea of the pneumatic painter. He sprayed the remainder of the ink from the fine-pointed nozzle on to a piece of white paper, and the thought occurred to him how much more rapidly paint could be spread by air than by a brush. The machine which grew from this notion was a steel tank, connected with a reservoir of compressed air.

The tank is filled with paint of the consistency of cream, and when a valve is opened the air forces this through a flat nozzle. Houses, fences, and railway-trucks can thus be painted at nearly five times the rate that the best brush-painter can accomplish; and Mr. Gilyard, who three years ago was a clerk in a city office at $15 a week, is now receiving an income of $20,000 a year.

EXPERT AWNING MAKERS.

The Windsor Awning and Tent Co., Windsor, Ont., is a branch of an old firm that has over a quarter of a century's standing in Detroit, Mich., who are considered experts in everything they undertake to do. They have fitted out a large majority of the steamers and sailing vessels built on fresh water, and also have fitted out very large camps with tents; hotels with window awnings; and the finest stores in Detroit with the most complicated kind of awnings and fixtures. It is an acquisition for Windsor to have a branch in this line started by such reliable people, who can save their customers money and guarantee the best of satisfaction.

FROM A NEW ONTARIO HARDWAREMAN.

Sam. D. Eplett, who has been carrying on a hardware business at Coldwater, has sold out and removed to New Liskeard City, New Ontario.

In a letter to HARDWARE AND METAL, Mr. Eplett says: "This town is growing very rapidly. We have a most beautiful country lying north of us, and there will be a great rush here in the near future. There have been some very valuable finds of copper, nickel and gold, which will surpass any yet discovered. The new line, which is to run from North Bay to James' Bay, has been surveyed through to this town, and work begins early in the spring to build the road."

WHY IS

Anchor Liquid House Paint Superior to all other Liquid Paints?

BECAUSE

The White Lead used in its manufacture is



BRANDRAM BROS. & CO.'S

LONDON, ENG.

B. B.

Genuine White Lead

APR 3 1902

To secure the agency for your district you should apply at once.

Sole Manufacturers in Canada



HENDERSON & POTTS

HALIFAX AND MONTREAL.



WITH RESERVOIR AND HIGH CLOSET.

"Cornwall" Steel Range

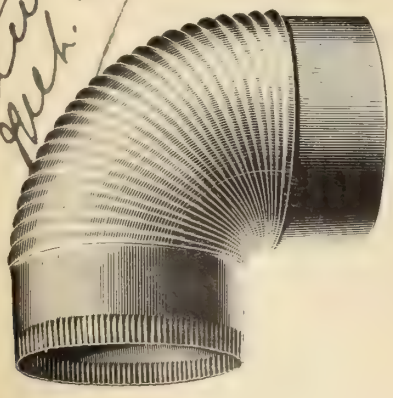
The accompanying illustration is a good reproduction of our leading steel range, the "Cornwall."

Last year these ranges were considered by the trade to be the most handsome and up-to-date line on the market, and this, in conjunction with extensive advertising in the newspapers, placed the "Cornwall" in the happy position of being the best known and most talked of range in Canada.

We intend to advertise it liberally again this year, and those of our customers who keep a sample in their showroom will reap the benefit of all this publicity. No other steel range is advertised to any extent in Canada.

This year we have added a hearth-plate (see cut), which is a very useful attachment and greatly adds to the appearance of the range.

We will be pleased to supply our customers with illustrated advertising matter free.

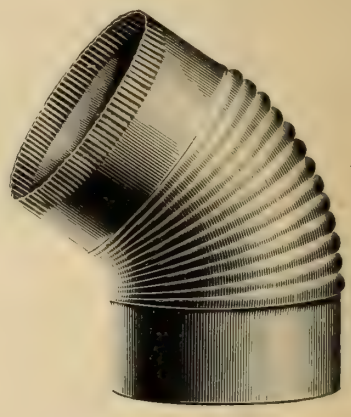


Our New Elbow

Decidedly the Strongest and Neatest One-piece Elbow on the Market.

The elbow seam is grooved and is therefore much firmer than a lapped joint elbow, and there can be no variation in size.

Our travellers are now carrying a sample of this elbow, and will be pleased to explain it to you in detail.



See Refrigerator and Ice Cream

THE McCLARY MANUF

Head Offices and Works: London, Ont. Foundries: London and

Branch Warehouses: Toronto, Montreal,

"Everything for



WITH RESERVOIR, HIGH CLOSET AND HOT WATER BOILER.

"Famous Active" Range

The "Famous Active" Range is well known to the trade and requires very little comment here.

Like our "Cornwall" it has been well advertised throughout the Dominion, and now holds the undisputed leadership among the cast-iron ranges on the Canadian market, which was clearly demonstrated last year by the scores of orders which we were obliged to cancel, owing to our incapacity to build the ranges fast enough.

However, we will not be obliged to cancel any orders this year, having purchased the Copp Foundry, in Hamilton, which we are now operating to its full capacity.

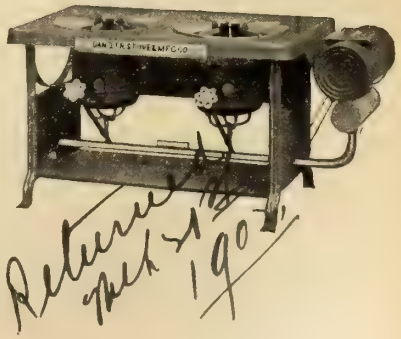
We will be pleased to send advertising matter free to any of our customers who require a supply.

"Dangler" Wickless Oil Cooking Stoves

The new No. 431 series of these stoves is absolutely the best oil-stove made.

They are the cheapest, safest, easiest to keep clean, and simplest to work of any oil stove we know of.

They also have a very strong flame.



Freezer Ads. on other Pages.

ACTURING COMPANY

Hamilton, Ont. **Tinware Factories: London, and Montreal, P.Q.**

Winnipeg, Vancouver, St. John, N. B.

the Tinshop."

CORDAGE AND ITS METHOD OF MANUFACTURE.



N a comprehensive sense, recently remarked Scientific American, the word "cordage" may be said to include all sizes and varieties of the article, from binder twine to a cable 16 in. in circumference, but, strictly speaking, the term is hardly applicable to a rope less than half an inch in diameter.

The materials employed for rope-making are various, embracing hemp, flax, manila, sisal, jute and other vegetable fibres. Sisal from Yucatan and East Indian jute are largely used for the manufacture of cheaper grades of rope and for binder twine. Russian and American hemp are preferred for standing rigging, owing to their ability to absorb a great amount of tar. Manila hemp is more extensively used in the manufacture of cordage than any other material, as its great pliancy and strength adapt it to a multitude of uses.

MANILA HEMP

is obtained from a species of wild plantain belonging to the banana family and is a native of the Philippine Islands. Its stem has a height of from 15 to 20 feet, is of a dark green color and very smooth on the surface. The fibre is round, silky looking, white and lustrous, easily separated, stiff and very tenacious, and also very light. These fibres, although in themselves not very large, are composed of very fine and much elongated bast-cells. The length of the cells is about a quarter of an inch, and they are not, as commonly supposed, held together by an intercellular tissue or mucilaginous substance. The characteristic roughness possessed by Manila fibre is due entirely to mechanical causes, such as, for instance, the laceration of a cell in the separation for the leaf-stalk, or the subsequent opening out of the ends of the cells. While the fibres are weak transversely, they have great strength in the direction of their length. The tensile strength of manila fibres will average over 30,000 pounds per square inch of section. The plantain is cut near the roots when from 2 to 4 years old, and the leaves cut off just below their expansion. The outer leaf is then stripped off, and the fibrous coats are left for a day or two in the shade to dry and then divided lengthwise into strips 3 inches wide. They are then scraped by an instrument made of bamboo until only the fibres remain. Bundles of fibres are shaken into separate threads, after which they are washed, dried and separated according to quality and shipped in bales. From 150 to 200 trees are required to produce 140 lb. of fibre.

SISAL HEMP

is the product of the agave, a large genus of fleshy-leaved plants found chiefly in Mexico and Yucatan. The fibre is yellowish white, straight, smooth and clean, and is about 25 per cent. weaker than manila fibre. Much of the sisal hemp is prepared for export by machinery. Its consumption is fully as large as that of manila, and it is chiefly used for binder twine.

When the fibre reaches the mill, its preliminary treatment is practically the same whether it be manila or sisal. A description of one will therefore answer for the other.

THE MANUFACTURING PROCESS.

The bales of manila hemp average about 270 lb. each, and after the material has been lightly shaken apart it is placed in layers, which are sprinkled lightly with oil to soften and lubricate the fibres previous to their passage through the machinery. The first mechanical operation consists in passing the hemp over roughing cylinders bristling with sharp steel prongs, or teeth, which straighten out the fibres and remove the tow and fine broken particles, dirt or other foreign substances. It then passes to the breakers, which are large frames about 25 ft. long, consisting of two endless chains studded with steel pins. The first chain runs slowly and feeds the fibres to the second, which runs much faster, the effect being to comb or straighten out the fibres and draw them into a "sliver," or ribbon. The hemp is then hoisted on elevators to the top of the building. Following this operation comes the passage of the hemp through the spreaders and drawing-frames. These machines are similar to the breakers, but are smaller and furnished with steel pins and teeth of gradually-increasing fineness, which still further comb and straighten out the fibres, a number of slivers being put together behind each machine and drawn down to one sliver again at the end of each machine. This drawing is repeated a number of times with machines of various degrees of fineness, in order to make the sliver even, without which it would be impossible to spin fine, even yarn. The process is completed in a very fine drawing-frame called a "finisher," and from this the material finally emerges in complete readiness for spinning, having been drawn into slivers, or small, soft ribbons, in readiness for the spinning-frames.

From the finisher the sliver is carried on to the spinning jenny, which, as usual, operates two spindles. The small sliver is fed from one of the cans over the endless belt provided with needles, as in the breakers, spreaders and finishers. These needles carrying the fibre move toward a conductor or "nipper" carrying the sliver with it. The sliver is by this time exceedingly small, and is capable of passing through a small hole in the face plate of the nipper, where it is compacted in passing through the orifice. A jaw is controlled by a spring which can be regulated, so as to adjust the size of the feed. At it leaves this part of the machine the twisting begins. The speed is 1,500 revolutions per minute. The yarn is twisted in a direction called right-handed, and feeds through the pulley, passing through the head block and moving the face plate, and, is finally warped around grooved pulleys in order to give the necessary strain to pull the compacted fibres through the nipper. It is then wound upon a bobbin, about 1,000 yards being wound upon it. A special mechanism traverses the bobbin in order that the yarn may be evenly wound. The attendants see that the sliver is regularly supplied and that any accidental breakages in the thread are repaired. The yarn is placed in small cars and sent to the various rope-making departments. If a rope is to be tarred, the yarns are run through the copper tanks filled with heated tar. The yarns enter through holes in an iron plate and are drawn through the tank by machinery. As the yarns emerge, the superfluous tar is removed by means of pressing rollers and the yarn is wound on bobbins. If the yarn is to be used for binder twine, the sisal hemp is spun finer than manila, and, after being spun, the yarn, which is now on bobbins, is carried to the twine balling and packing-room, where the balling machines wind the yarn into balls of proper size.

ROPE-MAKING

is accomplished in various ways and is all done by machinery. The yarn is twisted into strands by means of machines called "formers," and the strands are twisted into rope by means of machines called "layers." If the rope is to be of moderate size, not exceeding 1 in. in diameter, the formers and layers are combined in one machine. The large machines are very impressive on account of their great size and the rapidity with which the finished product is turned out. In the Farmer machine there are many bobbins, which are arranged in three frames, each of which revolves independently around its own axis, and they are all carried around while in motion by a large frame which supports all three smaller frames. The threads from the varions bobbins are passed through apertures in an iron plate, and the motion of each small frame serves to twist the yarn drawn from the bobbins into a strand. The three strands pass upward through a "top" at

"The 3 Maple Leaf Brands"

OUR TWINES ARE GOOD AS WELL AS CANADIAN.

GOLD LEAF
SILVER LEAF
MAPLE LEAF

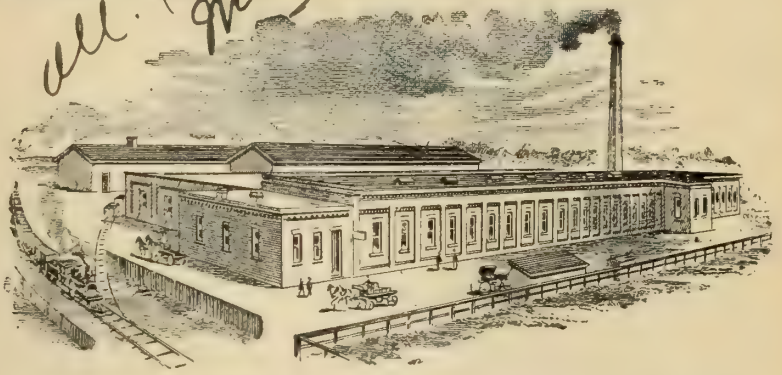


REGISTERED TRADE MARK.



BINDER TWINE

S. G. KITCHEN, - President.
FRED. CHALCRAFT, - Vice-President.
C. E. BURKETT, - Sec.-Treas.
ROBT. RILEY, - - Superintendent.



THE ONTARIO FARMERS' CORDAGE CO., LIMITED
(WEST) BRANTFORD, - - CANADA

CORDAGE . .

ALL KINDS AND FOR ALL PURPOSES.

Manila Rope	Tarred Hemp Rope	Lathyarn	Spunyarn
Sisal Rope	White Hemp Rope	Shingleyarn	Pulp Cord
Jute Rope	Bolt Rope	Bale Rope	Lobster Marlin
Russian Rope	Hide Rope	Lariat Rope	Paper Cord
Marline	Halyards	Hemp Packing	Cheese Cord
Houseline	Deep Sealine	Italian Packing	Hay Rope
Hambroline	Ratline	Jute Packing	Fish Cord,
Clotheslines	Plow Lines	Drilling Cables and	Sand Lines

"RED THREAD" Transmission Rope from the finest quality Manila hemp obtainable, laid in tallow.

CONSUMERS CORDAGE COMPANY, Limited

Western Ontario Representative—
WM. B. STEWART,
TEL. 94. 27 Front St. West, TORONTO.

Montreal, Que.

the upper portion of the machine. As the strands come together they are twisted to form a rope by the movement of the entire machine carrying the three sets of bobbins, which are each rotating separately. The result is a finished rope. The new rope is rotated around several pulleys in order that the proper pull may be obtained to draw the rope tightly through the "top," and it is then wound on one of the reels. This rope can, of course, be used for any purpose and can be made of large size. For well-drilling and other purposes where rope of great strength but little flexibility is required, cables are used. Cables vary from 1,400 ft. in length up, and usually measure from 1⅞ to 2½ in. in diameter. They are composed of three manila ropes instead of strands, and the ropes are twisted together with a very hard "lay," so that they will not untwist when used for drilling, and so that they will resist wear in the continuous rubbing against the side of the casing and the wall of the wells. Owing to their length and construction, cables are always made on machines and not in ropewalk.

Machines large enough to make cables 15 inches in circumference have been made, and are in use in several factories.

The reel containing the rope that has just been made, is placed on a

CABLE-MAKING MACHINE.

The principle of cable-making is the same as rope-making, only that actual ropes are used instead of strands. Each reel is turned around on a horizontal plane by means of gears, while it is paying out its rope. The entire machine carrying the three reels is turned simultaneously on a horizontal plane; the ropes are roved around various pulleys, and finally as they pass through a "top" at the upper part of the machine they are twisted together to form the cable, and then after being roved around grooved sheaves to obtain the necessary pull are reeled up by a power-reel. When a sufficient length of cable is obtained, it is ready for shipment. There are also large horizontal rope and drilling cable-laying machines in use in various rope factories.

Ropes of considerable size, towing lines and ship's cables of the largest dimensions are usually made on a ropewalk, which is sometimes as long as 1,200 feet.

The yarn is rewound on larger bobbins, and the number used depends on the size of the rope. These bobbins are put on a framework of wood, located near one end of the ropewalk, and the ends of the yarn are passed through holes in an iron gauge-plate, which is known as the face-plate. It then passes through cast-iron tubes, and the yarn is fastened on hooks of the forming machine, which consists of a truck which travels on a track the entire length of the walk. There are as many hooks as there are strands. As the former moves away from the face-plate it draws the yarn with it, and, at the same time, each hook revolves by means of gears, twisting the yarn left-handed into a strand. The machine is actuated by a cable which lies along the floor of the ropewalk. The cable passes over a large wheel at the left, and serves to operate the mechanism which turns the hooks, and, at the same time, winds up a cable attached to the end of a ropewalk, thus making its motion positive. When the forming machine has reached the upper end of the ropewalk, the strands are completed. They are now taken and laid over on the other side of the walk, and are then ready to be "laid," or made into rope. Two laying machines are required, one at each end of the walk, and are known as the "upper" and "lower" machines. They also give the rope what is known as a fore turn and an aft turn. As many of these strands as are required for the rope are stretched to full length, and are attached to hooks on the laying machine. The upper machine has several hooks, but only one is used. All the strands are fastened to this hook, and they turn left-handed in laying, and the lower machine has as many hooks as there are likely to be strands, and operates in the opposite direction. The strands are meantime placed in the grooves of a conical wooden block called a "top," through which is passed an iron bar which is fastened to an upright post of a car called a "top sled." Pieces of rope called "tails" are fastened on the bar and wound round the rope to be laid. They help regulate the lay and assist in giving the rope a finish-gloss. The top having been mitred between the strands as closely as possible to the top, the sled is gradually forced along as the twisting proceeds in a right-handed direction. The lower machine keeps all the strands from untwisting. The top sled finally arrives at the lower end of the walk, with the full length of completed rope behind it. It is then compactly coiled by a reeling machine, covered with burlap, and shipped to its destination.

THE DOVERCOURT TWINE MILLS.

To dealers in twine, rope, netted goods, etc., an advertisement of Hutchinson, Shurley & Derrett, proprietors of the Dovercourt Twine Mills, 1078 Bloor street west, Toronto, on page 95, will be found of interest. This firm are large manufacturers of cotton ropes, jute ropes, clothes lines, plough lines, fish lines, skipping ropes, hammocks, tennis and fly nets, jute, hemp and flax twines, etc. Their factory is equipped with all the latest machinery, and they have for some time enjoyed a reputation for first-class manufacture.

UNINVENTED INVENTIONS.

Every home and workshop teems with profitable suggestions to the man with open eyes and mind, says Frank F. Coleman, in Everbody's Magazine.

The fortunes of Mr. Carnegie, the Rockefellers, the Armours and all their associates were founded on just such observations. The cost of refining kerosine oil is paid to date from the despised sludge acid which used to foul our rivers and harbors. The old waste of the slaughter-houses brings in as much to-day as the flesh of the animals killed.

Nature has waste products still waiting for use. Prairie wire grass was one of these. It is now made into handsome furniture and furnishings. Cornstalk pith is made into fillings for warships' hulls to close water-tight holes made by an enemy.

Find a substitute for the elastic Para rubber and your fortune is made. Celluloid and oxidized linseed oil are fair substitutes for some purposes, but nothing has yet been found that possesses the true elastic properties of rubber from Para. There is still "nothing like leather" for shoes, but the inventor may find a substitute to his profit

WHAT HE ALSO DID.

This was the ready-reckoning genius, says an exchange, who remembered having sold a screwdriver to some one of his ten charge customers who had been in during the day, but, for the life of him, he could not be sure which one it was. Finally a happy thought struck him. He would charge it to each one of them; nine would protest, and the tenth man, being the right one, would pay without a question.

"How did it work?" he was asked.

"Well, there were three of them who kicked, and I crossed it off. But the other seven of them ponied up without a question."

BUYING WHAT THEY MAKE.

It is a singular feature of the iron trade of the world that the best markets, with rare exceptions, are those of the countries that are themselves largely engaged in producing the very goods that they want to purchase and do purchase, on a large scale, declares The London Iron and Coal Trades Review. Continuing, the paper notes that until lately no market was so good as that of the United States, and, despite the high tariff policy of that country, it still imports iron and steel to the value of $12,000,000 a year. But the most singular feature of this manifestation is that the United Kingdom, which is the greatest exporter of iron and steel in nearly every form, is itself a larger importer of these metals than any other country in the world, and Great Britain is followed at not a very great distance by Germany, which is almost as large a producer of pig iron, and an even larger producer of steel France is a considerable way behind Germany, and Belgium is a long way behind France, as an importer of iron and steel goods, which again bears an approximate relation to the extent of the output of these several countries.

DOVERCOURT
TWINE MILLS
TRADE MARK.

Hutchison, Shurly & Derrett

MILLS AND OFFICE:
1078 BLOOR STREET WEST, TORONTO.

...MANUFACTURERS OF...

COTTON, JUTE, HEMP AND FLAX TWINES AND CORDAGE, COTTON ROPES, JUTE ROPES, JUTE CLOTHES-LINES,

MILL BANDING, FISH LINES, CHALK and MASON LINES, TENNIS AND CRICKET NETS, HAMMOCKS, PLOUGH LINES.

McArthur, Corneille & Co.

MONTREAL

Manufacturers and Importers of . . .

White Lead,
Oils and Colors,
Prepared Paints,
Window Glass,
Varnishes, etc.

Glue and Gelatine

In extensive assortment, to suit all requirements.
WILL BE PLEASED TO SUBMIT SAMPLES AND PRICES.

SELLING AGENTS IN CANADA

For the GENUINE **Imperial French Green** of JOHN LUCAS & CO., PHILADELPHIA.

And CELEBRATED **ENGLISH VARNISHES** of CHAS. TURNER & SON, LONDON.

Please mention HARDWARE AND METAL when writing.

CUTLERY

SQUIRE, WATSON & CO.

FIRE ARMS

TEMPLE BUILDING, MONTREAL.

DIRECT FACTORY REPRESENTATIVES.

REPRESENTING IN CANADA:

HUGO KOLLER, SOLINGEN, GERMANY.
Razors, Pocket Knives, Scissors, Shears.

JOHN WRAGG & SON, SHEFFIELD, ENG.
Table, Pocket, Putty, Palette, Butcher Knives, Carvers, Boxed and Cased.

JOSEPH RODGERS & CO., SHEFFIELD, ENG.
Fine Cutlery of all descriptions.
Flatware in E.P.N.S. Cased Goods.

CHRISTOPHER JOHNSON & CO., SHEFFIELD, ENG.
Table and Pocket Cutlery—**Highest Class.**

ORME, EVANS & CO, WOLVERHAMPTON, ENG.
Enamelled Ware, Trays, Coal Vases, Japanned Goods.

FOX CUTLERY CO., SHEFFIELD, ENG.
Razor Strops.

JOHN MORETON & CO, Ltd., WOLVERHAMPTON, ENG.
Hardware Manufacturers.

A. & F. PARKES & CO., Ltd., BIRMINGHAM, ENG.
Spades, Shovels, Scoops, Draining Tools.

F. DUMOULIN & CO., LIEGE, BELGIUM.
Guns, Rifles, Revolvers.

J. B. CHATTERLEY & SONS, Ltd., BIRMINGHAM, ENG.
E.P.N S. Flat and Hollowware, Oak, Glass and Fancy China Mounted Goods, Sterling Silverware.

T. G. BLOOD, BIRMINGHAM, ENG.
Tin and Japanned Goods.

CAPPER & WOOD, LONGPORT, ENG.
Art Potteries, China, Earthenware.

—ALSO SPECIALTIES IN—

"Osprey" Clippers; Pure Nickel Hollowware; Lincrusta Table Mats; Woodenware, Brushes and Scrubs; Brassic Goods; Door Silencers; Corkscrews; Dram Flasks; Spoons, Etc.

SHOVELS

HARDWARE SPECIALTIES

RELATION OF JOBBER AND RETAILER.

Importance of the one to the other.

THE question as to the relationship of the jobber and retailer has been again and again discussed, but it is one that never becomes old, and, what is more, is never likely to become so. At a recent convention of retail hardwaremen in Iowa, it was one of the subjects for discussion. The paper which introduced the subject, read in part as follows:

The manufacturer, the jobber, and the retailer are the three factors to be considered in the hardware business.

The manufacturer produces the goods, the jobber introduces the same in the market and the retailer has to dispose of the same by selling the goods to the consumer.

The retailer buys same goods direct of the manufacturer, but gets the greatest number of the hundreds of articles which make up a stock of hardware of the jobber. I have been requested to prepare a paper on the relation of jobber and retailer.

MUTUAL BENEFIT.

The relation is based on mutual benefit. When the jobber sends out his New Year letters to the retailer, he wishes you a splendid trade, and a year of prosperity, but winds up with the hope of a good share of your orders. This is but natural, as we appreciate a customer as long as we are benefited by his trade, so with the jobber. He is ready for business; sends out his agent to call upon you, makes you acquainted with the size and quality of his assortment, his facilities to fill your orders promptly, and gives you his prices. He assures you his prices are right.

MUTUAL RELATIONS.

The best selected wholesale stock is of no special value unless a good number of retailers enlist as regular customers. Likewise depends the retailer on the jobber to replenish his stock. He could not send to the factory for one-twelfth of a dozen of one article, or one-sixth and one-fourth of a dozen of another; he cannot foresee the exact amount of this or that article his trade will require. He depends on the warehouse of the nearest jobber to keep his stock complete. His selection of the wholesaler to buy from depends on distance, railroad connection, completeness of stock, personality of salesman, and, above all, on prices.

I remember the time when prices did not cut such a figure between jobber and retailer. To get the goods was the main object. But times have changed. Prices are the whole thing to-day. Well bought is half sold, is now the motto. A fair competition is wholesome and necessary to enliven trade, but to-day the severe law of nature, the survival of the fittest, seems to be the only rule.

PURCHASES FROM THE MANUFACTURERS.

Some retailers try to overcome the price question independent of the jobber. A few buy in large quantities direct of the manufacturer; others get their supply through the manufacturer's agent. For some goods, both ways are favorable to some extent. I know of a retailer who bought a carload of washing-machines. It took him three years to sell the lot. Another bought one gross of express wagons It will take at least two years to sell the wagons. Buying of the factory direct will tie up more money in the business, because you have to buy in large quantities and have to carry more stock than your trade demands. I could name a number of articles the retailer can get 10, 15 and 20 per cent. cheaper by buying direct of the manufacturer or through the manufacturer's agent, but the majority of retail dealers will depend on the jobber, to buy the goods when needed, and in quantities in proportion to sales.

COMBINATIONS.

A combination of 10 wholesale grocery houses in Iowa and some bordering States with the buyer located in Chicago is a success. The combination of the Steel Trust is a success. A number of retail hardware dealers in Chicago have combined to buy together and command better prices. The aim is the same. Secure better prices. The quantity will more or less dictate prices. Last year I bought over $5,000 worth of goods from one jobber only, and I know such a close relation to one jobber has made me better prices than I could get by buying of the 12 or 15 houses who send travelling men to Marshalltown. Suppose 400 or 500 retail dealers would arrange with one or not over two jobbers to give them all their trade; at an average of $2,000 a year, would give a wholesale trade of $800,000 to $1,000,000. One travelling man would be sufficient to call once in a great while on his friend to show and introduce new goods, new inventions, renew pleasant relations of jobber and retailer.

There was some talk of a jobbers' trust. A jobber with one sure business ought to be able to share his benefits with the retailer and protect himself against unfair competition.

THE QUESTION OF PRICES.

The question of prices is of vital importance to us all, and anyone who knows a remedy should get up and tell us of his ideas. The department store has come to stay, and the catalogue houses will keep on doing business, and the only salvation for the retailer is to meet the competition. A single dealer is powerless. If we spare no effort to help ourselves the other factors in the hardware trade, the jobber and the manufacturer, will be more willing to listen to our resolutions. The jobber is our natural allay. The relation of the jobber and retailer should be cultivated for mutual benefit."

A NEW PAINT FACTORY.

The new factory of Henderson & Potts, proprietors of the Nova Scotia Paint Works, which was opened up in Montreal at the first of the year, has been a very busy place ever since its commencement. The firm has had a warehouse in Montreal for several years, but the rapidly increasing business with Quebec, Ontario and the West necessitated a factory, in addition to that at Halifax, for this trade alone. The new place is at 56 Wellington street, and is one of the most complete factories in the Dominion. Here the very latest mills and machinery may be seen, and all, of course, are brand new. The building has five flats, every one of which is used, including the basement. Besides white lead, liquid paints, putty, etc., the firm manufactures its own dry colors, japans, varnishes and dryers.

A portion of the factory is given over to tinsmithing, for this firm makes all its own tin and sheet-iron cans for the paints, which is done by no other paint factory in Canada.

Henderson & Potts are making a specialty of liquid paints. The demand for these has grown to great proportions during the past few years, and every paint manufacturer who wishes to keep up with the times must go into the manufacture of them. Henderson & Potts claim they have something of an advantage over other manufacturers in the making of liquid paints, in that they alone ean use in the manufacture of them Brandram's Genuine B. B. white lead. It is generally conceded that this white lead is the world's standard of purity, and paint made from it can only be one of the best on the market. As this firm has the sole right in Canada to manufacture this lead it can only be obtained in its "Anchor" brand liquid paints, and the demand for these is likely to rapidly increase.

The
WATSON FOSTER CO.
LIMITED
MONTREAL



SILVER MEDAL
PARIS 1900
CHICAGO 1893

WALL PAPERS

WE ARE LESS AFRAID

OF YOUR BUYING TOO MUCH OF OTHER MAKERS' GOODS THAN OF YOUR HAVING TOO LITTLE OF OURS.

OUR STOCK IS COMPLETE, BUT REPEAT ORDERS ARE DAILY REDUCING IT. AND WE CANNOT REPRINT EVEN OUR MOST SUCCESSFUL NUMBERS.

IN VIEW OF THIS, IT IS NOT TOO EARLY TO ASK YOU TO FILL UP IN WHAT YOU KNOW WILL BE QUICK SELLERS.

LOOK THROUGH YOUR SAMPLE BOOKS AND ADVISE US THE RESULT.

NEW SAMPLES OF ANY-THING OR EVERYTHING IF REQUIRED.

MARCH '02

When You Buy

FINE COLORS
WINDOW GLASS
PREPARED PAINTS
VARNISHES, Etc.



bearing our name, you may feel sure they are the best made. We have always had the reputation for the **oldest and most reliable paints** on the market.

SOME OF OUR LINES:

SHEET GLASS
ORNAMENTAL GLASS
PLATE GLASS
OILS
TURPENTINE
VARNISHES
JAPAN COLORS
COLORS GROUND IN OIL
DRY COLORS
WHITE LEADS
FINE BRUSHES
CHAMOIS SKINS
GOLD LEAF
BRONZE POWDERS
BEESWAX
PREPARED WAX
MORTAR STAINS
ALUM
GUMS
PINE TAR
PITCH AND COAL TAR
CHALK AND CHINA CLAY
WHITING
GRAPHITE
ALKALI
GLAZIERS' DIAMONDS
PAINTERS' CUTLERY, ETC.
RUBBING FELT
METHYLATED SPIRIT
ALABASTINE
JELLSTONE
BUG KILLER
SULPH. OF COPPER
BORAX
GLUE
EMERY
STEEL WOOL
SAND PAPER
PLASTER PARIS
PUTTY
ROTTEN STONE

SANDERSON PEARCY & Co.

61-63-65 Adelaide Street West

Toronto.

President,
JOHN BAYNE MacLEAN,
Montreal.

The MacLean Publishing Company, Limited.

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, Prince Edward Island, Northwest Territories, and Newfoundland.

OFFICES:

MONTREAL (Telephone 1255) - - - - 232 McGill Street
TORONTO (Telephone Main 2701) - - 10 Front Street East
LONDON, ENG. (W. H. Miln) - - - 109 Fleet Street, E.C.
MANCHESTER, ENG. (H. S. Ashburner) - - 18 St. Ann Street
WINNIPEG (J. J. Roberts) - - - - Western Canada Block
VANCOUVER, B.C. (J. A. Macdonald) - - - Flack Block
ST. JOHN, N. B. (J. Hunter White) - - No. 3 Market Wharf
NEW YORK - - - - - Room 442, New York Life Bldg.

Subscription, Canada and the United States, $2.00.
Great Britain and elsewhere - - - 12s.

Published every Saturday.

Cable address: Adscript, London; Adscript, Canada.

MONTREAL AND TORONTO, MARCH 22, 1902.

WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

A LESSON TO EXPORTERS.

THE Canadian commercial agent in Australia, Mr. J. S. Larke, makes a serious complaint against a Canadian furniture manufacturing firm, the name of which, however, is withheld.

It appears that a firm in Sydney on Jannary 29, 1901, cabled an order to a furniture manufacturing company in Canada. It was not, however, till August 22 following that the shipment left New York, whereas under ordinary circumstances the goods should have been in the hands of the purchaser three or four months after the date of the order. One-fifth of the money for the goods was paid on or about the date of shipment, and a draft for the other four-fifths was duly honored by the Sydney firm before the furniture arrived at destination. By the time the shipment reached Sydney the new Customs tariff had come into force and the purchaser had to pay duty at the rate of 20 per cent. and 10 per cent. added to the invoice as well, all of which would have been avoided had the goods been shipped within the ordinary time.

But, this was not all, for when the shipment arrived it was found that the furniture was not such as the sample called for. The chairs, for example, were deficient in a cross-bar, and were, in consequence, weaker than the description called for in the order. This deficiency caused the people to whom the importer had sold the goods to refuse to accept them. This, of course, meant additional loss to the importer. And, naturally, he is not disposed to place any more orders with Canadian furniture mauufacturers

The furniture import trade of Australia is one that is growing rapidly, and, therefore, is worth cultivating. We have not the figures giving the imports into all the States of the Commonwealth, but those for New South Wales, Queensland and Victoria aggregated over $1,000,000 in 1900. This is an increase of over 100 per cent. in five years. The imports of these three States during the five years ending 1900 were as follows:

FURNITURE IMPORTS OF THREE STATES.

	1896.	1897.	1898.	1899.	1900.
New South Wales.....	$297,879	$350,979	$401,188	$493,636	$550,814
Queensland.....	108,011	136,461	181,648	233,298	250,599
Victoria	85,721	109,217	124,061	158,497	278,826
Total.....	$491,611	$596,657	$506,897	$885,431	$1,080,239

Canada exports a great deal more furniture to Australia than she did in 1896, when only $187 worth was shipped; but a perusal of the figures appertaining to the trade since then do not give one much cause for gratification, for the simple reason that the trade of 1901 was half that of 1900, and nearly $3,000 less than that of 1898 and 1899. And this dissatisfaction grows upon one when one compares these figures with those relating to the imports of furniture by the three States to which we have already referred.

The following are the exports of Canadian furniture to Australia during the last six years:

OUR FURNITURE EXPORTS TO AUSTRALIA.

1896.....	$ 187
1897.....	7,921
1898.....	23,069
1899.....	23,095
1900.....	44,065
1901.....	20,352

While the subject under discussion chiefly concerns the furniture manufacturers of this country, it does not wholly. Every manufacturer who exports to Australia or any other country is concerned, or at least should be.

Strict attention to instructions, faithful adherence to samples, no unnecessary delay in filling orders, and prompt answering of business communications are essential to the establishing of a successful export trade. It would be better for the general good if those who cannot or will not comply with these essentials were to refrain from trying to do an export trade.

THE MATTER OF DETAILS.

DETAILS are stumbling blocks to many businees men. Someone must look after the details if the business is to be made a success, but that someone is not he who has the ordering of them. A vessel is just as likely to reach its destination without a rudder as a business is to be prosperous while the details are ignored. There are a good many business men who so fully realize this that they can trust no one but themselves with the development of them. Where the business is a one-man business this is all right; but where it is not it is all wrong.

The larger the business the less time has the head of the firm or the head of a department for detail work. His duty is to direct, not to work out the details. His duty is to prepare plans, not to carry them out. The captain of a vessel does not obey his own commands. Neither does the successful captain of industry.

The demands of business to-day are such that there must be someone to think and plan. Those who undertake to develop the details, as well as to plan them, can do neither well. It is thus that they became stumbling blocks in the way of their own business.

The successful captains of industry are the men who plan enterprises and leave the working out of details to others. One has only to recall to mind the men who are to-day famous in the commercial world to be convinced of that. It is an art. And to practice it requires about as much thought and planning as does the devising of the schemes themselves.

CANADA'S IRON AND STEEL TRADE AS REFLECTED IN THE EXPORTS.

WHILE building our hopes for the future in regard to those industries which are covered by the general classification of "metals and minerals and manufactures of," the most of us probably forget the development which has taken place therein during the past few years.

As reflected in the export trade this development is something enormous, showing in the five years ending June 30, 1901, an increase of over 360 per cent. It is true that this increase is chiefly in the precious metals; but that does not alter the fact that it represents so much enhanced wealth. We do not give our gold and silver away. We sell them, just as we do our coal, our lumber and our wheat.

The grand total of the exports of "metals and minerals and manufacturesof," the product of the home industries alone, was, in 1901, $37,986,242, while in 1897 the total was only $8,996,734.

As we have already said, this increase was chiefly in the precious metals. For example, in 1897 we exported of "gold-bearing quartz, nuggets, etc.," $2,804,101 worth, while last year the figures had increased to $24,445,156.

It has time and again been said that the commercial greatness of a country is proportionate to the extent and value of its iron and steel trades. Whether we are all prepared to accept this dictum or not matters not. But we must all conclude that the export trade in "iron and steel and manufactures of" indicates, if we had no other source of information, that the iron and steel industry of this country is making substantial and satisfactory progress. At least, an increase of 183 per cent. in five years would seem to warrant our coming to that conclusion. In 1897 the value of the exports of "iron and steel and manufactures of," the product of the country, was $1,311,809. In 1901 it was $3,717,537.

Space would not allow us to give all the details of the export trade in "iron and steel and manufactures of," but the following table, giving the chief items in 1897 and 1901, will, no doubt, interest our readers:

	1897.	1901.
Agricultural implements	$761,842	$1,742,946
Bicycles	299,664	347,222
Hardware	101,115	109,860
Machines, all kinds, and machinery	181,222	476,262
Pig iron	65,255	117,456
Steel and manufactures of, not classified	38,522	481,868

But, extremely gratifying as are the figures for 1901, those for the present fiscal year are certain to be more so. In the first place, our capacity for turning out "iron and steel and manufactures of" is greater than it was at the beginning of the last fiscal year. The four pig iron furnaces and the four open-hearth steel furnaces of The Dominion Iron and Steel Co., Limited, are now in operation. The Nova Scotia Steel & Coal Co , Limited, is enormously increasing its capacity for the manufacture of iron and steel. At the Algoma Steel Co.'s works, Sault Ste. Marie, Ont., began a month ago the operation of the Bessemer steel plant, which Mr. Clergue a few weeks ago said would be turning out 700 tons of steel rails a day before the end of March. A year or two ago there was only one concern making steel in Canada. That one was the Nova Scotia Steel and Iron Co. Now, there are in addition, the Hamilton Iron and Steel Co., the Algoma Steel Co., and the Dominion Iron and Steel Co.

There are now in Canada 14 blast furnaces, without counting those in course of construction. When those being built are completed the aggregate capacity of the Canadian furnaces will be about 1,100,000 tons a year. The output in 1900 was less than 90,000 tons.

Already the export trade in pig iron is greatly in excess of that for the whole of the last fiscal year. In the latter year, which ended June 30 last, the quantity was 5,623 tons, and the value, as we have already pointed out, $117,456.

For the seven months of the fiscal year ending January 31 last, the quantity was 64,849 tons, and the value, $627,971.

In other words, the value of export trade in pig iron was 441 per cent. larger for the seven months of the present fiscal year than it was for the whole of the 12 months of the fiscal year 1901. This is certainly gratifying.

Substantial quantities of steel have also been exported since January last, the figures regarding which have not yet been made public.

In the beginning of this article it was pointed out that the grand total of the exports under the general classification of "metals and minerals and manufactures of" was $37,986,242 in 1901 against $8,996,734 in 1897, five years before. In the following table is briefly summarized the items which make up the grand total:

Copper, all kinds	$ 550,462	$ 2,659,261
Gold and silver	5,417,274	26,865,906
Iron and steel and manufactures of	1,311,809	3,343,173
Lead ore	524,181	2,517,084
Manufactures of tin	2,764	14,481
Asbestos	510,916	864,573
Nickle	498,515	958,365
Miscellaneous metals	180,813	763,399
Grand total	$8,996,734	$37,986 242

It is nearly 170 years since the first lot of iron was made in Canada. And after all these years the iron and steel industry of this country is at last beginning to assume respectable proportions.

IMPORTS OF RAILWAY MATERIAL.

A good deal of material for railway construction has been imported into Canada from Great Britain and Germany within the past 12 months. One of the reasons for this is, no doubt, the difficulty of getting delivery from the United States, whence the bulk of our importations in this line usually come.

We have not any recent data giving the figures on German account, but British official returns show that the exports of railroad material of all sorts to Canada during the six months ending December 31 last were in value nearly double those of the same period two years ago, the figures being $643,790 and $1,085,982 respectively.

The United States, on the other hand, have sent us a great deal less steel rails during the seven months ending January 31 than any corresponding period in the last three years. The figures from United States official sources are as follows: 1900, $1,651,115; 1901, $2,526,740; 1902, $910,829.

It is in rubbing against competition that the merchant becomes bright and enterprising.

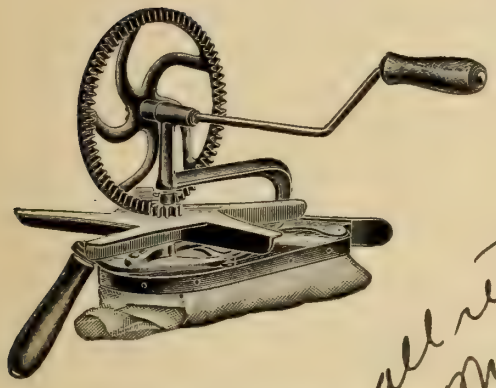
H. S. HOWLAND, SONS & CO.

WHOLESALE ONLY

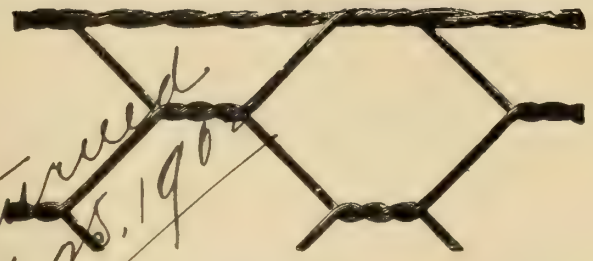
37-39 Front Street West, **Toronto.**

ONLY WHOLESALE

1902—SEASON—1902



THE "PREMIER"
Broad Cast Seed Sower.
The "Premier" will sow any seed that is sown broad cast.



POULTRY NETTING.

½-inch	Mesh,		20	Gauge,	24 to 36	Inches.
1	"	"	20	"	12 to 36	"
1½	"	"	19	"	18 to 48	"
2	"	"	16	"	30 to 42	"
2	"	"	19	"	12 to 84	"



CORN PLANTERS.
With and without Pumpkin Seed Attachment.

PLAIN TWIST FENCE WIRE.



GALVANIZED BARB WIRE.

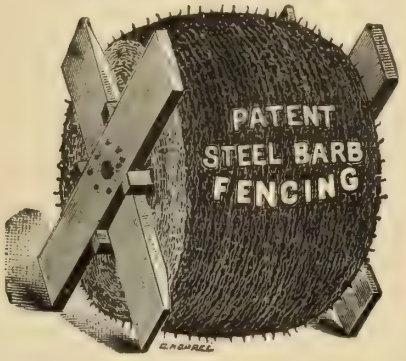
BOKER'S FENCE PLYERS.



Handles Turn In.
No. 1319—6 to 12 inches.



2 Points.



Barbs 4, 5 and 6-in. Apart.



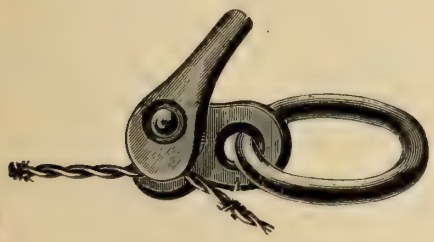
4 Points.

BOKER'S FENCE PLYERS.



Handles Turn Out.
No. 1373—8 to 12 inches.

BARB WIRE STRETCHERS.



"HERCULES."



"CANTON."



"SAMSON."

For other lines and fuller particulars, see our No. 12 Catalogue.

H. S. HOWLAND, SONS & CO., Toronto.

OUR PRICES ARE RIGHT

Graham Nails are the very Best.

WE SHIP PROMPTLY

Factory: Dufferin Street, Toronto.

Some Ideas and Devices for the Retail Store.

CARE AND DISPLAY OF RETAIL HARDWARE.*

By H. C. Scofield.

IN the subject assigned to me, "Care, Management and Display of Retail Hardware," I will not presume to tell you how it should be done, but, rather, describe our methods, trusting that some of our ideas may be useful to you, as we expect to carry home some of yours. We consider the opportunity afforded at these meetings of exchanging ideas and comparing experiences well worth all the time and expense attending them.

We will begin with the exterior front. In order to make the first impression a favorable one, the store front should present a neat appearance. We keep ours well painted with a dark greenish-black coach color, the ornamental parts touched with gold leaf, and the whole varnished with a good quality of spar varnish.

SHOW WINDOWS.

We endeavor at all times to keep our show windows attractively dressed, changing the display about once a week. In the arrangement we get valuable aid from the trade publications by cutting out the illustrations and descriptions of window displays. These we paste in a scrap album, using an old catalogue for this purpose, cutting out every other leaf to make room for the extra thickness of the cuts and clippings. We also paste in this book cuts and descriptions of any racks, display stands or devices that we think will ever be of use to us, in whole or in part.

We have an electric plug and switch put in each window, and add to the effects by the use of lights, etc. A red 16-candle-power incandescent light inside of a coal stove gives it the appearance of being in operation. You will find that you can make as attractive displays as your neighbors in other lines. We would advise a distinct display of one class of goods in each window—that is, exclusive sporting goods in one, tinware in another, etc. Push the lines that afford the most profit. You will notice they begin to appear oftener on your want book, if you keep one, and every dealer should.

SHOWCASES.

These afford the best means for inside display. We use as many as we can find room for, aiming to have them all of uniform size, shape and material or style, keeping them clean and the contents in order, and, as far as possible, a distinct class of goods in each, displaying cutlery in one, small tools in another, etc., using one for brushes, laying them in loose without boxes, displaying cutlery in the same way, marking each knife or shear and laying them in rows, or heaped up on a plush tray. We think sales in these lines are increased by this manner of displaying them.

We had a local cabinetmaker make us two tall counter cases, using some plate glass that we had on hand for the fronts, ends and shelves. In one of these—2 ft. wide, 6 ft. long and 4 ft. high — we put swinging mirror doors at the back, carpeted it with plush and put a small electric light at the top. This case we use for silver and nickel ware. In the other case we put a case of drawers in the back, projecting into the same about 10 in., the back forming the back of the showcase. This we covered with red felt, and on this we tacked an exhibit of twist drills, taps, dies, screw plates, etc., showing the larger sets of taps and dies in the bottom, together with breast drills and similar goods, the drawers in the back holding the stock.

SHELVING.

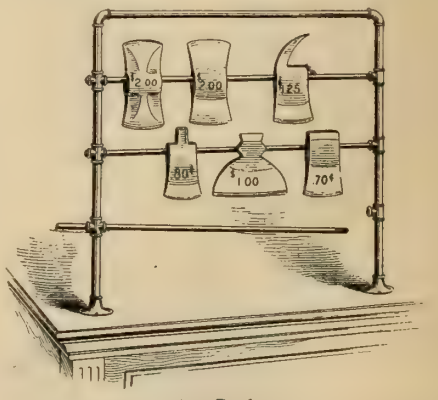
Ours is a combination of wall cases and shelf boxes, with glass fronts and felt-covered sample-boards, and the increased sale of the lines that were prominently shown has been very noticeable. This has been especially true of guns, locks and builders' hardware. This latter line we display on felt-covered boards. The boards hang on pins in a wall case and in front of shelves. These shelves hold a supply of the goods shown on the board directly over them, or in front of them. We display one pattern of lock, front and inside, on a board, showing on the same board the window trim of the same pattern. A customer can see at a glance the trim for an entire house. Different boards show different patterns, one board showing all our cupboard catches, another our line of latches, another our line of fancy butts, etc. We sorted out and sold as job lots all odds and ends of this class, and only keep in stock what we show in samples. We have all our lock sets put up one set in a box, they being easier to handle and making a more attractive appearance on the shelves. Our shelving for tinware extends from the floor to the ceiling, and is reached by travelling ladders. This shelving is 2 ft. deep, and affords ample room for display and reserve stock.

CASES, RACKS AND CABINETS.

We keep our iron rivets in a cabinet on our bolt counter, with horse nails, calks, nuts and washers in this same counter and case. Our malleable irons, wrought irons, steam fittings, etc., are kept in pigeon-holes; our wire screen on a stand or rack by itself; our wire cloth measuring machine on a table, with room underneath for the full rolls; window glass in a case, with a cutting board at the end; hoes, rakes and forks on brackets, with handles in a rack underneath; hay knives and handled axes in a rack, and axes in boxes on a short counter, with samples of each style or kind of axe on a sample-rack. This rack we make of iron pipe standards, secured to the counter-top with flanges, and a tee in the standard through which we run smaller pipe at the proper distance to allow the rows of axes to be placed over each other. The rods being run through the eyes of the axes allows them to be examined without removing them. We mark the selling price on each axe. Our stoves we mount on individual platforms. These platforms are painted a bright vermilion, which forms an attractive contrast for the polished or nickel surfaces.

SECOND-HAND GOODS.

One room in our basement we devote to second-hand goods of every description that we take in on trades, etc., principally



Axe Rack.

stoves. These we polish up and make a few necessary repairs and arrange in rows as we would new goods. We find this a very profitable department. In this room we have a set of shelves where we keep all stove parts and castings that will accumulate in all stove stocks. We sort them in classes, backs, fronts, bottoms, dampers, etc., by themselves; also parts that we take from old stoves that are worthless for any-

* Paper read before the Wisconsin Retail Hardware Association.

M. R. M. Co.

Montreal Rolling Mills Co.

MONTREAL, CANADA

MANUFACTURERS

—OF—

BAR IRON AND STEEL

HORSE SHOES	CUT NAILS
HORSE NAILS	WIRE NAILS
SPIKES	WIRE
SHOT	STAPLES
PUTTY	TACKS
LEAD PIPE	SHOE NAILS
WHITE LEAD	ZINC SPELTER
WROUGHT PIPE	PIG LEAD

Black and Galvanized

SELLING AGENCIES:

JAS. CRAWFORD,
Victoria and Vancouver, B.C.

JOHN PETERS & CO.,
Halifax, N.S.

W. D. TAYLOR,
Winnipeg, Man.

thing but old iron, such as legs, bases, etc. In this way we use up many scraps at a good profit.

EACH CLASS BY ITSELF.

We aim to keep each class of goods together in departments. If a call is had for an article in the sporting goods line it will be found in that department, and not in the tinware, or mixed up with the grindstones.

MANAGEMENT OF THE STORE.

In buying we are conservative, selecting one or two good houses in each line and staying with them. By bunching your business your patronage is more desirable to them, and you will be well treated. If at any time you differ in opinion, give them a chance to square themselves. Be courteous in your correspondence and do not make unreasonable claims or be continually fault finding. Treat their representative with as much consideration as you would wish to be shown yourself. You will find that it is best to have the good-will of the travelling man. He will give you the best he has, and take good care of you. If you are given a special price, keep it to yourself, do not give it away or use it as a lever on someone else, thereby making all kinds of trouble.

PERSONAL ATTENTION TO BUSINESS.

Give your business your personal attention if you would succeed. It should be paramount to politics and lodges. Look carefully after details. Supplement this with a cordial manner, take an interest in your customers' affairs, ask after the welfare of their family, help them load up, bid them good-bye when they start for home. This costs nothing and returns a dividend. Have a system about your business, your prices, your sales, your purchases, your contracts, your quotations, your collections, especially the first. Have your stock so priced that any one in your employ can find the price of any article. This creates a feeling of confidence in you, your customer is not so liable to inquire concerning the prices elsewhere, to satisfy himself that you are right. A system of pricing is invaluable at inventory time.

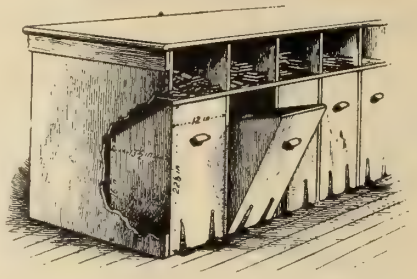
ASSORTMENT.

Carry a good assortment, less of a kind and more kinds, study the new goods that come out, add side lines, but before adopting them be sure that they are right; investigate their claims, do not ask your trade to take an article on your recommendation unless you are certain it is right.

After selecting the line and make, advertise it, push it for all you can. Convince your trade that it is the best, prove it to them. Do not be spasmodic in your efforts, keep everlastingly at it.

A HANDY NAIL COUNTER.

The idea shown in the accompanying illustration for a counter for nails, butts and hinges is not original, but it is both simple and useful, and will, doubtless, interest some of our readers. The bins, which are attached to the floor by hinges, are 12 in. wide, 13½ in. deep, 22½ in. in front and 16 in. in the back. A handle, it will be noticed, is placed on the front of each bin in order to allow the clerk to pull the latter down and conveniently reach the nails or whatever it may contain.



The spaces noticed above the bins in the illustration are for butts, hinges or any lines which can be conveniently placed there.

WRINKLES FOR HARDWAREMEN.

IN a recent issue of Ironmonger, London, England, a correspondent, signing himself "S.W.T.," gave what appears to us to be some practical hints for the retail trade, some of which may, possibly, prove of interest to hardwaremen in Canada.

One, for example, of service when trying to put new wick into a burner which will not take it up in the usual way, as follows: Make a hole in the wick about ½ inch from the end, pass a piece of fine twine through the hole, bring both ends of the twine together and pass them up the wick-tube. Then insert the end of the wick into the tube and gently pull with the string and wind up at the same time. The probability is that when the wick is once in the burner it will wind up properly. If it does not wind up easily, and there is no indication of a thread being caught in the winder, a good plan is to get someone to hold the end of the wick firmly, then, holding the other end in the left hand, move the burner quickly up and down the wick, leaving the winder free to revolve. This will often put a burner into easy winding order.

While on the subject of burners and wicks, the following method will insure getting a new wick level. It is not always easy to cut new wick straight even with very sharp scissors, and circular wicks are worse than any to trim with scissors. The simplest and most effective way is to dip the top of a new wick into the oil, and then, before putting the other portion down into the oil-container, light the oiled top portion, having first turned it down so that only the uneven portion is above the wick-tube. It should be allowed to burn itself out to the last spark. Then the charred remains can be rubbed off and a level wick is in the burner, ready for lighting, when a good-shaped flame may reasonably be expected.

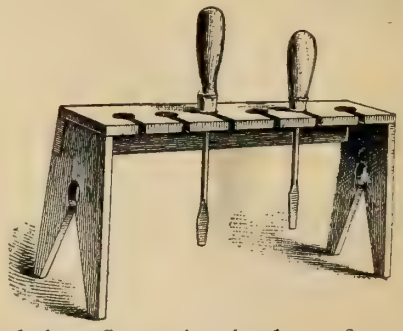
Time may be saved and the patience less tried by preparing a set of zinc templates of locks. It is not unusual for a customer to bring an old lock and ask for a new one with the holes for the key and handles to match the old one, so that it may be fixed without having to cut the door afresh. Such a request might mean the opening of a number of parcels to find a lock of the right pattern. To avoid this trouble an assistant, in his spare time, might open a parcel of each size and pattern lock kept in stock, and take paper tracings of the outside lines of the locks, and mark the exact positions of the key and handle holes, and also write on the paper the size, pattern, number, and price. Afterwards zinc plates, cut to the size of the paper tracings, with the holes for the key and spindle cut out and similarly marked might be prepared. Next slightly roughen the surface of the zinc with emery-cloth, and write on legibly the particulars of the lock of which it is an exact template. When an old lock is brought to be matched these zinc templates can be compared and the nearest pattern selected, then the parcel containing the lock required is at once indicated.

Turning to another line of goods, a suggestion is offered for a safe method of stacking opal shades, such as are used on incandescent gas burners. Get the tinman to make some tin tubes, of any length, according to the number of shades usually stocked. The diameter of the tubes should be about ¼ inch less than the diameter of the centre hole in the shades, so that a number of them may be passed over the tube in such a way that although they are resting one on the other it is impossible for them to fall. A firm base should be attached to each tube, and this should be made as large as the shades that are to be placed on it.

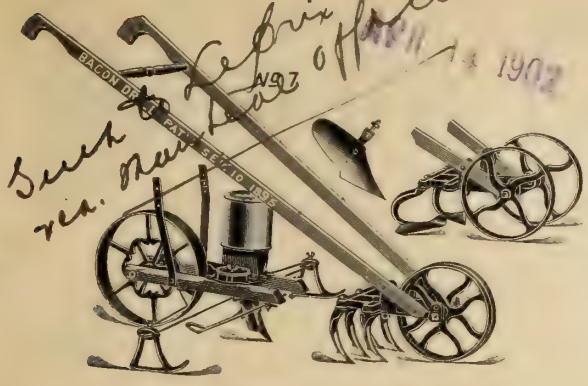
Another correspondent of the same paper wrote: "I have noticed on more than one occasion lately that the apprentice and junior assistant of to-day does not use a square paper for wrapping up stock-parcels. In the days of my own youth I was taught to make up a stock-parcel or to weigh up nails in square paper wrappers, folded across two corners. To my mind this method makes a more shapely parcel with a better face for marking or exposing a sample upon than does a rectangular piece of paper."

A RACK FOR SCREW DRIVERS.

The rack herewith shown, as will be readily seen, is for the displaying of screw drivers, chisels, etc., and was originally



made by a Connecticut hardware firm. It is made of ½-in. white pine, varnished. The rack is 12 in. long and 7½ in. high. The top board is 2-in. wide, and is, it will be noticed, notched to hold six tools.



Look! This is it. Just what you want. What you are looking for.

THE

BACON BEET, GARDEN DRILL AND CULTIVATOR.

☞ *In the Bacon Feed the flow of seed is varied without diminishing the diameter of the passage in use, which is always of such size as to give free passage to the most difficult seeds.*

The variation of feed being accomplished by a variation of position of certain parts of the passage. This gives better results in easily handled seeds, and is absolutely necessary in handling successfully such seeds as Parsnip, Beet, Carrot, Salsify, Spinach, etc.

This peculiar feed and combination gives a universal drill of unequalled excellence.

EUREKA WEEDING AND BLOCKING OUT BEET HOE.

Something new, just patented. Easy to operate, simple in construction. Blades can be adjusted to any width, which makes it specially adapted to the cultivation of the sugar beet and other garden vegetables. It is made of the best material, and worth its weight in gold.

Agents Wanted, Write for Terms, Circulars, Catalogue, Etc.

THE EUREKA PLANTER CO., Limited
WINDSOR, ONT.

Want to know you



And we believe you ought to know our advantages as manufacturers of Tools and Iron and Steel Workers. Railroad, Telephone, Construction, Paving, Sewer and Cement Working Tools. Stone Cutters' Tools. Ice Tools, Mill Picks, Cold Chisels, Drills, Punches, Caulking Tools, Hammers, Quarry Tools and Hoists, Drag and Wheel Scrapers, Shovels, Wheelbarrows. Special Wrought Iron and Steel Work to drawing.

Send list of requirements—stating quantity — for prices f.o.b. Windsor, Ont.

W. H. Anderson & Sons,

Canadian Branch, with Eureka Planter Co., WINDSOR, ONT.

Established 1871.
DETROIT, MICH.

We manufacture all kinds of Handles, and Wood Turned Goods, Grain Cradles, Scythe Snaths, Hand-Rakes, Hay-Forks, Carriers, Slings, Spray Pumps, Garden Syringes, and a variety of other goods.

If you are in need of any of our different lines, write us for Catalogue and prices.

The Cameron-Dunn Manufacturing Co. of Strathroy, Limited

STRATHROY, ONT.

PILLOW & HERSEY MFG. CO.

LIMITED

MONTREAL

MANUFACTURERS OF

Cut Nails
Horse Shoes
Bar Iron

Wire Nails
Bolts
Nuts



Cut Tacks and Small Nails of every description.

Shoe Tacks
Shoe Nails
Wire Shoe Rivets

INSIST ON GETTING

BLUE HOOP

KEGS.

Fencing and Hay Wire, Rivets, Washers, Etc.

Pressed Spikes
Railway Spikes
Track Bolts

SELLING AGENTS:

FOR ONTARIO:
J. H. Webber,
25 Front Street East, Toronto.

FOR MANITOBA:
J. G. T. Cleghorn,
Winnipeg.

FOR MARITIME PROVINCES:
Geo. D. Hatfield,
Halifax.

OFFICES:

34, 35, 36, 37, 38
Canadian Pacific Railway Co's Telegraph Building,
Hospital Street, Montreal.

WORKS:

92-105 St. Patrick Street.
94-104 Mill Street.

SELLING AGENTS:

FOR VICTORIA AND VANCOUVER, B.C.:
Chas. Stimson,
Vancouver.

FOR ROSSLAND, B.C.:
British Columbia Purchasing Agency,
Rossland, B.C.

FOR HALIFAX:
Grant, Oxley & Co., Halifax.

Subjects for the Consideration of Clerks.

THE HARDWARE CLERK—HIS OPPORTUNITIES.

By One Interested.



RE the opportunities for the young man in the hardware business as good at the present time as they were some years ago? There is no reason why the demand for a live, active, young man should be less than in former years; indeed, there is every reason why it should be greater. The volume of business in the hardware line is larger in Canada to-day than ever, and it is most likely that all jobbers have had a large increase in business during the last five years and are looking forward to still greater possibilities. With the growth of trade and the necessity of larger stocks, the greater need of competent help is apparent.

What kind of young man is it desirable to obtain? First, one who has had a fair education, has set his mind definitely on learning the business, and with the determination to make the best use of his time. Second, one who is willing to start at the bottom, take instruction from those in authority, and move step by step until he has mastered each detail. Third, one who after some experience has a genuine liking for the line of business he has chosen.

How often a young man seeks employment, and before entering into a conversation with him one is favorably impressed with his address; but, having made known his wants, about the first questions are: "What are the hours?" and "Do you give Saturday afternoon as a half holiday?" One is led to think from questions like the foregoing that the young man is looking for a pastime, rather than an opportunity of learning the hardware business. It is better to let an applicant of this kind pass on to some employment where he can have more leisure.

Then, again, one engages a young man hoping that in a few years he will be a worthy acquisition to the staff, only to be met with disappointment. The reason here very often is that his mind is not centred on his work, but on something outside. He is generally waiting for the time of closing to come, and spends most of the last half hour of the afternoon in watching the clock to make sure the minute hand is not a quarter of a second past the hour before he is making his exit. One finds that this type of young man does not begin his duties in the morning with the same vim as the one who has his heart in his work. Sports and social pleasures of one kind or another take up most of his thoughts, and every spare moment he can get he is occupied in discussing the last hockey or football match, as the case may be, with a fellow clerk. Not that such pastimes are to be deprecated: they have their place, but the young man who wishes to succeed will pay attention to business first, pleasure afterwards.

Often a young man when he has secured employment, and has advanced to the stage when he can be put at filling orders, does not pay attention to the class of goods handled, but is simply reading the words on the orders and filling them like a machine. Such a one could learn a great deal by giving close attention to each line as it is laid out, and also in asking questions about the goods.

Another question arises: "What about the salary?" This may not be as large as he expects, and at first he is apt to be discouraged. But, young man seeking to rise, do not make this the chief aim in your chosen work. Show what you are worth and the salary will come in time. There is an old saying, "Water seeks its level," and if the young man of to-day shows himself thoroughly in earnest, fully competent to master the line he has chosen; in fact, puts the best that is in him into his employer's service, the remuneration will come in good time.

WITH BRAINS ONLY.

WHAT are the chances for the young man "with nothing but brains"? Let us see about that. It strikes me that the young man with nothing but brains has an immense advantage over the young man with nothing but money.

The late Philip D. Armour once told me, writes Truman A. De Weese in The Forum, that he did not give his sons a dollar's worth of stock in his immense business until they had satisfied him that they could "make sausage." This was the great packer's homely way of saying that he did not take his sons into the firm until they had shown business capacity and industry. But not many rich men in this country follow the example set by the founder of the great house of Armour. The young man with nothing but brains has nothing to lose. What to do with a patrimony of $100,000 does not bother him or keep him awake at night. The young man with $100,000 will soon realize that this is too small a sum to risk in business in an age of combines, when all productive and mercantile enterprises are conducted upon a scale of great magnitude Manufacturing is certainly out of the question; and if he wants to embark in a mercantile pursuit he must go to a small town that is not yet invaded by a mammoth department store selling everything from a tack-hammer to "store teeth."

But the young man with nothing but brains is not confronted by such perplexities. There is no "trust" in brains. It may be possible to corner the wheat crop or control the yearly output of cornstarch; but you cannot corner the crop of ideas. If the young man looks about him and studies the situation, he will quickly learn that the age of combinations is also the age of brains.

It is true that the learned professions, such as law, medicine and theology, are open to him; but these are overcrowded. There are not enough patients to go around. As for law, the Legislatures of the different States cannot grind out enough ambiguous statutes to keep the lawyers busy. The few laws now put upon the statute books are so clear and lucid that the ambitious young attorney has no chance whatever. Moreover, the tendency of the people is away from litigation. Men are more inclined to settle their differences out of court. Again, there is less demand for theologians. The people are coming to regard theology as a man-made substitute for simple, practical Christianity; a heritage of profound thinking and scholarship, it is true, but too deep for the common understanding. There is more practical, every-day Christianity than there ever was, but less theology.

Journalism, of the kind that does not completely efface the writer's personality and that encourages individuality of style and freedom of utterance, still offers an attractive field for the young man with nothing but brains. The journalism of the future must be a journalism in which the public may connect the statements of editors and reporters with some personality that stands for knowledge and common honesty. No other kind of journalism will attract the serious attention of ambitious men.

The federal service certainly offers no attractions to the young man with nothing but brains. Perhaps in no other depart-

ment of human activity can there be found such amazing mediocrity and inefficiency as here. Character and brains count for nothing.

Literary and clerical pursuits are being rapidly invaded by women. The time is past when a desk-man can hope to earn enough salary to support a family. In fact, desk-work of the purely clerical or routine kind can no longer satisfy the man of energy and ambition.

It ought to be very plain, it seems to me, that the greatest oportunity for the young man with nothing but brains lies in fitting himself for an important place in the great distributing machinery brought into existence by the era of combines. He must contribute something to the twentieth century crop of ideas. The era of expansion which the politicians are talking about carries with it an expansion of the market for ideas, an expansion beyond the dreams of the generations of yesterday. It is to be a battle of ideas; and the man who has none will have to "go way back and sit down" with the typewriter girl, or the telegraph operators, or some one else who does nothing but handle other people's ideas. The man with ideas will occupy the centre of the stage, and the lime-light of public interest and thought will be turned upon him more than ever before in our history.

For what are the objects of industrial combination? To cheapen the cost of production and distribution.

The other primary object of combination is to cheapen the cost of distribution. Costly and out-of-date methods of putting goods upon the market and finding purchasers for them are being abandoned. The most expensive wheel in the machinery of distribution and the first to be discarded has been the "drummer." In certain lines of production he is still employed to some extent; but it is a self-evident economic proposition that the consolidation of small plants into larger ones must cut into the ranks of the great army of travelling trade solicitors, and, that if the tendency toward concentration in all lines continues, the drummer will soon be as extinct as the dodo. He is a relic of the days of wasteful competition. Under the new system the producer will talk to thousands at a time instead of employing a drummer to talk to each person individually. How is he going to do it? Through the printed catalogue, the artistic booklet, the attractive poster, the pages of the magazines and weekly periodicals, the columns of the daily press, and the thousands of ingenious and unique devices for catching the public eye, designed by the brightest and cleverest minds in this country.

Who will furnish the ideas for this new and vast twentieth-century system of publicity? Surely here is the golden harvest for the young man with nothing but brains. Here is a field for anyone with original ideas. No compiler, collator or purveyor of other people's ideas can participate in this contest. The producer who is investing a million in advertising will scent a mildewed idea from afar. He will have none of it. What he buys must drop cleanmilled, new and bright from the mint of genius. It must have the ring of the pure metal, with no "dull thud" business about it.

It is true that the profession of advertising has always engaged the talent and energy of some of the brightest minds in the land; but the work of the past-masters in publicity will seem small and commonplace compared with what will be demanded by the era of industrial combination and trade expansion upon which we are now entering. Thousands of "good things" are slumbering in the intellects of men—mechanical inventions, chemical compounds, toys for children, foods for invalids, remedies for diseases, appliances for contributing to the luxuries and comforts of life.

Humanity will wear more shoes and farmers will use more wagons in 1902 than ever before in the history of the race; but the man who has a million invested in the manufacture of shoes or wagons can do little in the coming years without the genius of publicity. He must call to his aid the men of ideas, the men who are masters of the art of presenting forcefully and effectively to the millions of consumers the merits of a particular commodity.

A GOOD PLACE TO BUY.

Besides furnishing the trade with full standard quality of white lead, strictly pure, and other grades at association figures, McArthur, Corneille & Co., Montreal, are supplying their "Crown Diamond" brand at proportionate prices. This is warranted a genuine white lead, and for excellence of quality is claimed to be unequalled on this market. The trade would profit by giving attention to the fine English varnishes of Charles Turner & Sons, London, in which there is extremely good value. The well-known genuine Imperial French green of John Lucas & Co., Philadelphia, can also be obtained here. This article has been in even greater demand than ever this year. In glues and gelatines McArthur, Corneille & Co. have supply arrangements which enable them to compete successfully with all other furnishers. Samples of these, with prices, can be had by the trade for the asking.

It would be worth while to follow the example of many merchants and submit samples of the glues now being used to this firm for test, accompanied by an inquiry for prices on matches of same, with Canadian products, made by a first class American expert. A good many tests have shown that other glues have much less strength than that made by this house. In one case, when compared with another widely-known glue, it was found that 25 per cent. more water could be added to McArthur, Corneille & Co.'s brand and still have the same strength as the other.

A NEW PAINT FIRM.

The Ottawa Paint Works, of Ottawa, is a firm that has been in operation a little over a year and a half. It manufactures ready-mixed house paint, barn paint, bridge paint, floor paint, brick paint, white lead, shellac, putty, and deals in dry colors, varnish, linseed oil, turpentine, etc. J. M. Young, the head of the firm, has been connected with the paint business for the last 12 years, having been employed with William Howe, but on account of the latter's factory being burned and he discontinuing the manufacture of paints, Mr. Young resigned, and with Mr. E. A. Ripley and C. Hickman started the above paint works. Mr. Ripley and Mr. Hickman have also been in the paint business for the past 10 years, and have charge of the factory and shipping departments.

Since commencing business the Ottawa Paint Works has met with good success, and being the only paint manufacturer in Ottawa, and in fact the only paint factory between Montreal and Toronto, makes the prospect bright Its prices might interest you. Ask for quotations.

A NEW FOUNDRY.

The newly incorporated St. John Foundry Co., Limited, St. John, N.B., have completed their new premises on Brussels street and are installing the machinery. There will be a boiler and engine of 25 horse power, and a furnace of about three tons capacity in the foundry which extends 122 feet back from the street. It will be three storeys in height, one being above and two beneath the level of the street. The moulding shop is 40 x 65 feet and the engine and boiler rooms 35 x 40.

The stock of the new concern amounts to about $6,000, and the bulk of it is held by J. E. Wilson, Ald. Robt. Maxwell and a number of others.

The work of the new foundry will consist of general jobbing, including all kinds of stove repairing, and the moulding of building columns, crests, etc. Afterwards, stoves will be added to the lines manufactured. Eight men will be employed at the start and the number afterwards added to as the business inceeases.

DEALERS WILL BENEFIT.

The immense buying facilities of the United Factories, Limited, recently gave them an extraordinary opportunity of purchasing very favorably for spot cash a large quantity of black China bristles specially adapted for flat varnish, chiseled varnish, oval and flat paint brushes, etc. It is this well-known company's policy to always give their customers the benefit of such a deal, and they have, therefore, revised their prices, and will be pleased to quote accordingly. Such values as these are not to be met with frequently.

ESTABLISHED 1834

THE NEW WARREN SCALE CO.

MONTREAL

SUCCESSORS TO THE INVENTOR AND PATENTEE OF PLATFORM SCALES IN CANADA.

THE WARREN IS ACCURATE

THE WARREN IS DURABLE

THE WARREN IS RELIABLE

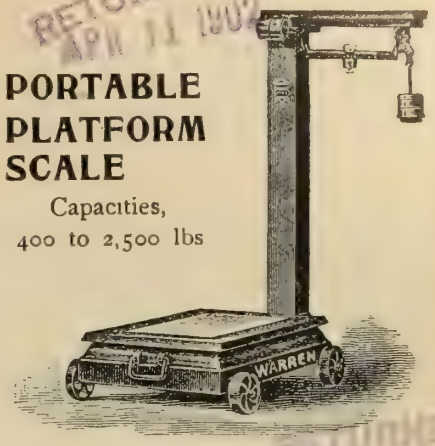
The long established standing of our firm merits a sufficient guarantee as to the quality of the Warren Scales.

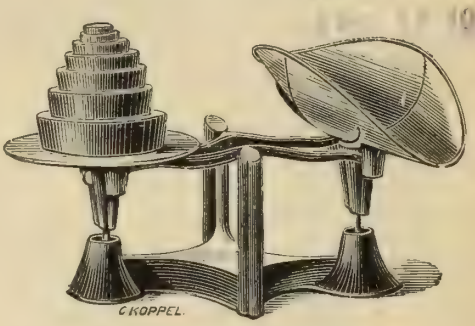
Our scales are thoroughly tested before leaving the factory and will be found accurate and reliable in every detail.

SCALES FOR ALL PURPOSES, OF ALL CAPACITIES, ranging from the postal to the 15-ton wagon scale.

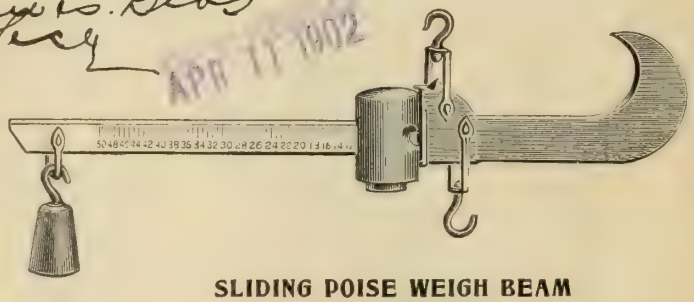
FARMERS' SCALES
QUICK SELLERS
PROFIT MAKERS
WRITE FOR CATALOG AND PRICE LIST.

PORTABLE PLATFORM SCALE
Capacities, 400 to 2,500 lbs

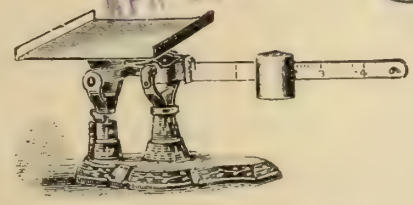




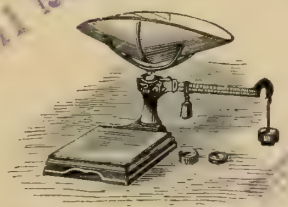
EVEN BALANCE SCALE
Capacities, 4 to 32 lbs.



SLIDING POISE WEIGH BEAM
Capacities, 100 to 600 lbs.



PACKAGE AND POSTAL SCALE
Capacities, 4 to 6 lbs.



UNION or FAMILY SCALE
Capacity, 240 lbs.

PLATFORM COUNTER SCALE
Capacity, 240 lbs.



MONTREAL GROCERS' SCALE
Capacity, 250 lbs.

THE WHITE MOUNTAIN FREEZER



STANDS THE TEST OF TIME.

A White Mountain Freezer, with ordinary care, will outlast a generation of people.

There is a solidity of construction, a lack of friction that makes it wear well. Every part fits its companion part, resulting in perfectly smooth action.

If you want to sell the freezer that always gives satisfaction, that is in greatest use, that is spoken of oftenest and most favorably, sell the WHITE MOUNTAIN.

OUR AGENTS IN CANADA ARE

The McClary Manufacturing Co.,

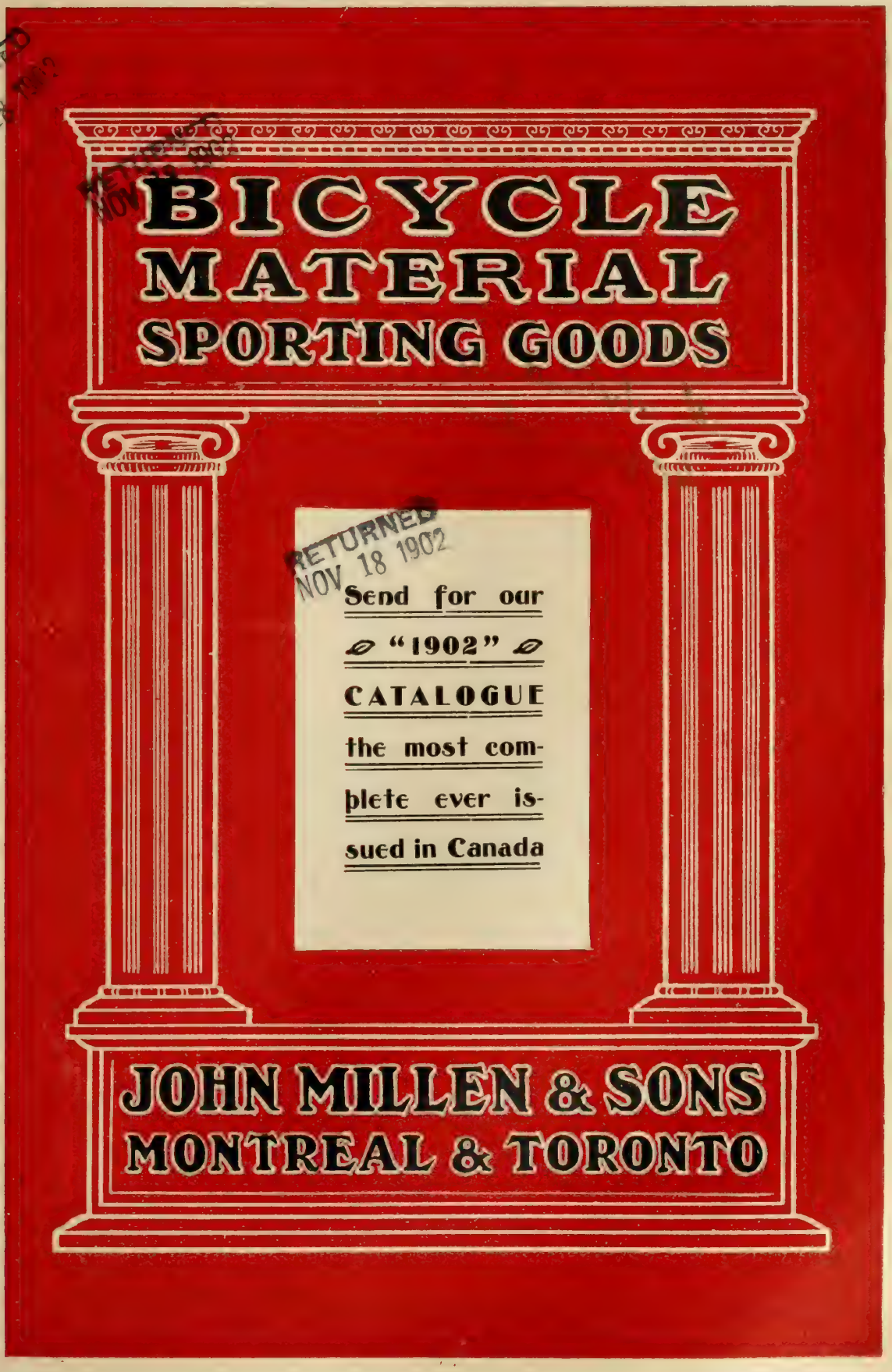
LONDON, TORONTO, MONTREAL, WINNIPEG, VANCOUVER, ST. JOHN, N.B.

Write them for the new 1902 White Mountain Catalogue ; it tells the best freezer story ever printed in the most attractive way.

THE WHITE MOUNTAIN FREEZER CO.,

NASHUA, NEW HAMPSHIRE, U.S.A.

RETURNED NOV 18 1902





These cuts are taken from our Booklet
"**N**" entitled

SANITATION

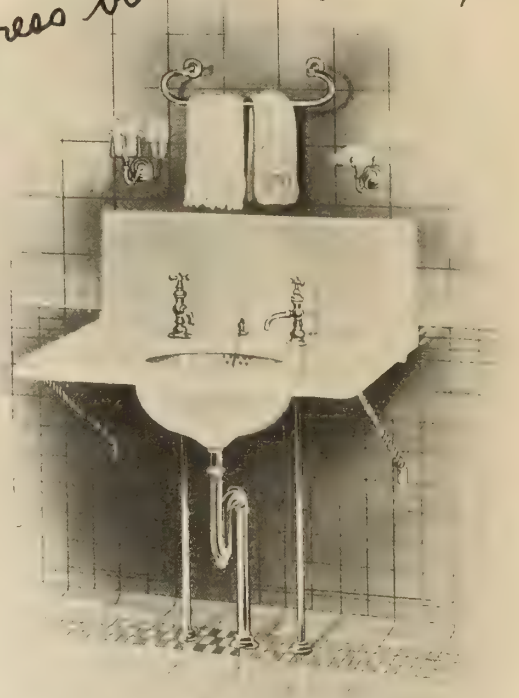
COPYRIGHTED 1902.

Illustrating the latest and most

Modern Sanitary Appliances.

all returned to address below March 31/02.

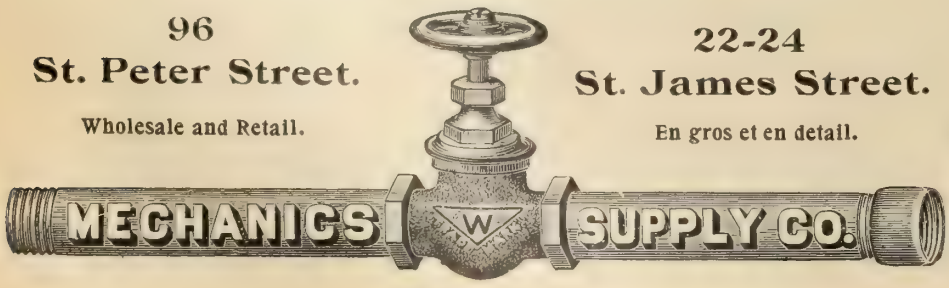
. . SHOWING . .	. . MONTRANT . .
Bath Rooms	Chambres de Bain
Enameled Baths	Bains Emailles
Steel Clad Baths	Bains en Acier
Bath Showers	Arrosoirs
Enameled Basins	Lavabos Emailles
Marble Basins	Lavabos en marbre
E'ware Basins	Basins en faience
Enameled Sinks	Eviers emailles
Agate Sinks	Eviers en granite
E'ware Closets	Closets en faience
Enameled Closets	Closets emaillees
Force Pumps	Pompes foulantes
etc., etc.	etc., etc.



"Standard" Porcelain Enameled Ware.

96
St. Peter Street.
Wholesale and Retail.

22-24
St. James Street.
En gros et en detail.



QUEBEC - CANADA.



HEATING AND PLUMBING

THE SUPPLY HOUSE AND THE MASTER PLUMBER

By H. A. Knox, Ottawa.

As a mutual distributing agency it is unnecessary to dwell on the importance of their commercial relations. Equally as unnecessary as it is to show the relation between ice and frost, or heat and fire, or to go further and attempt to prove that earth, air, fire and water, with the addition of electricity, are not the elements of material nature. Sunshine shows the balmy influence of nature by magnetizing the frost-bound earth and installing therein its productive warmth. This action has been alternate since the beginning of time.

The alternation is due to the wisdom of the Creator, who ordains that each part of the universe shall be relatively equal, no matter what extreme may be reached. This then shows the exactitude, inflexibility and inexorability of the law of material nature through the instrumentality of the Being Supreme. If there is the least irregularity the earth cleaves or the sky is shaken; ominous proofs of anger at discord. Nature being so just and unchangeable, why is human law so inclined to be opposite? It is doubtless due to the option of humanity. Social and commercial differences arise from it. Man is truly the King of Discord and Inequality. These are truths we must recognize; to ignore them is to be foolish; to weep over them is folly. To put up with them and endeavor to make them tolerable is the only manly way.

This desire then is explanatory of many results, one of them being the existence of The National Association of Master Plumbers. It is thoroughly representative, though it has all the individual differences known, yet one feature that each of its members recognize as a self-preservative, and which puts them on one broad platform, is the exclusive right to derive from the supply house that protection which is his by virtue of his natural social and commercial distributing power.

The only reason evident to the writer for the violation of that obligation is a geographical one. This country being so extensive is why the N. A. M. P. has not been able to ramify itself as well as it should be. There are frequent cases in the smaller towns throughout the Dominion of the supply house dealing direct with the consumer. The complainants regarding those violations have their own remedy. It ought to suggest itself without explanation. Every master plumber, even if his particular dealings with the supply house are extremely cordial, should ally himself with the N. A. M. P. through the Provincial association, or else communicate with the executive secretary. National solidarity will then assert itself. The supply house will then, too, respect the value of the trade of the master plumber who is allied to the national association. And if a purchase is attempted by a consumer he will be referred to the master plumber for his requirements. This arrangement could work in a reciprocal way. There are many cases where the Canadian house should and would get the preference over the American house did he actively assert the welfare of the master plumber. Harmony of trade with protection means paid up accounts. Without it, risks, bad debts and insolvency.

THE OTTAWA PLUMBING BY-LAW.

Mr. McVeity, the city solicitor of Ottawa, has written Mr. H. A. Knox, of the local Master Plumbers' Association, under date of March 12, stating that he has prepared two by-laws, one providing for the licensing and regulating of plumbers, and the other for the regulation of plumbing work.

The by-laws are made separate, because the objects are distinct, the council deriving its authority with respect to each from different sources.

The Municipal Act gives authority to license and regulate plumbers, and the Public Health Act gives authority to make regulations as to the quality of plumbing work. The finance committee has reported these by-laws to council for a first reading. The one then applying to licensing, etc., of plumbers will be referred to the finance committee, and the one as to the quality of plumbing will be referred to the board of health before final sanction of council.

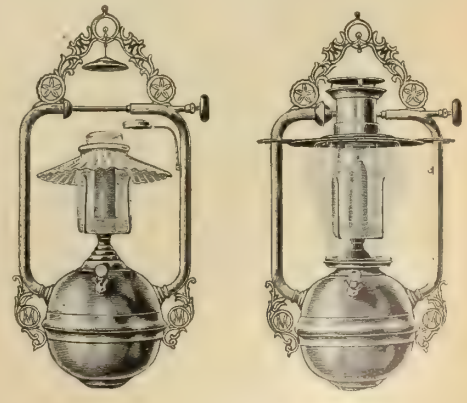
SCIENCE AND PLUMBING.

At the annual meeting of the members of the North of England District of the National Registration of Plumbers held at Carlisle recently, a lecture on the application of scientific principles to plumbers' work and sanitary arrangements was given by Mr. Joseph Radcliffe, the instructor at the plumbers' classes in Manchester Technical College.

During the last 60 years, he said, the work of the plumber had undergone very great changes. The old plumber was easy going, well paid, and respected by those who employed him; he had many friends, and was looked up to by his neighbor. To-day, the plumber, taking into consideration the importance of his work, was overworked, underpaid, and, speaking generally, did not possess the confidence of the public except as regarded his ability to do his work in such a way that people would be sure to require his attention again in the near future. The reasons for the change between the plumber of the former days and the present were that the work had changed and the plumber had not changed to the same extent as the work had done. Sixty years ago there existed few of the fittings possessed by the modern residence in regard to hot and cold water supplies, lavatories, sinks, baths, soil waste and vent pipes, etc., and the plumber had time to make his own pipes and other appliances. To-day, these things were all made for the plumber by improved methods, but the field of his labors had been extended, and if he would only lift himself out of the old groove, and bring himself into line his position would be much improved and the public would benefit. Practical work was of increased value if based on right principles, and to understand these principles the plumber must have had a good elementary education, and some knowledge of chemistry, mechanics, and physics.

NEW IDEA IN STORE LAMPS

The lighting question is so important with merchants that any new idea is eagerly seized upon by all live dealers. Considerable interest will, therefore, be felt regarding the "M. and M." Arc Lamp, which has qualities that will fit it for use in many stores. The accompanying illustrations give a good idea of this handsome nickel-finished lamp, made both for interior use and outside the store door. The lamp



gives a brilliant light, is non-explosive, and emits neither smell nor smoke. One filling provides 12 to 15 hours of light, is a portable affair, yet made so solidly that it is guaranteed to last many years. The manufacturers are the Acorn Brass Works, 19 to 23 South Jefferson street, Chicago, and any Canadian dealer who wants further information can drop a card to the firm.

SANITATION.

"Non est vivere sed valere vita."
"Life is not merely to live but to have good health."
"Comment est votre sante."

EXCAVATIONS at Pompeii disclose the labrum, a huge vase of snowy marble, eight feet in diameter, from the centre of which projected a brass tube It is believed that this was one of the earliest steps towards "Sanitation," where the bather, after indulging therein, very often to the strains of soft music and perfumed water, sought still further pleasure in the heated and scented atmosphere of the Caldarium.

Sanitation, as we now understand the word, applies to whatever conduces to the securing of good health, and has its derivation in the French word sante, or health.

"The proper study of mankind is man," says Pope, and certainly, as far as the laws of health that conduce to his own well-being are concerned, this is perfectly true.

Dr. J. H. Kellogg, in his "General Health Hints," writes: "A man who has a perfectly healthy skin is almost certain to be healthy in other respects. In no way can the health of the skin be preserved but by frequent bathing."

Marion Harland, in a noted work entitled "Talks upon Practical Subjects," has this significant paragraph: "The skin should receive special attention, and its care comes under the head of exercise and general tonic treatment—a potent factor in developing cutaneous activity is the bath." While another authority states: "If we were asked what was most needed for the health of the country, we should say, 'Baths—baths—baths.'"

The abodes where families seek repose, health and comfort should, therefore, be enriched as far as possible with whatever is calculated to add thereto, and it is of the utmost importance that one should be cognizant of such factors as tend to make the "home successful," which can be only truly so styled when they are replete with the modern improvements of plumbing, heating, electric lighting, etc.

Man's ingenuity was never more actively employed than at present in the invention of whatever will contribute to health and comfort in our homes, and while great achievements have been realized in the facilities for travel and in the uses of electricity, in no direction has greater advancement been made than in the methods and appliances used for heating and plumbing buildings.

Every person interested in this vital subject should be fully cognizant of all that appertains thereto. With this object in view, Mr. W. H. Wiggs, of The Mechanics Supply Co., Quebec, has written and published a very handsome booklet entitled "Sanitation" (copyrighted), which is beautifully illustrated throughout.

It is full of valuable information, and should be in the hands of every architect, doctor, sanitary engineer and plumber.

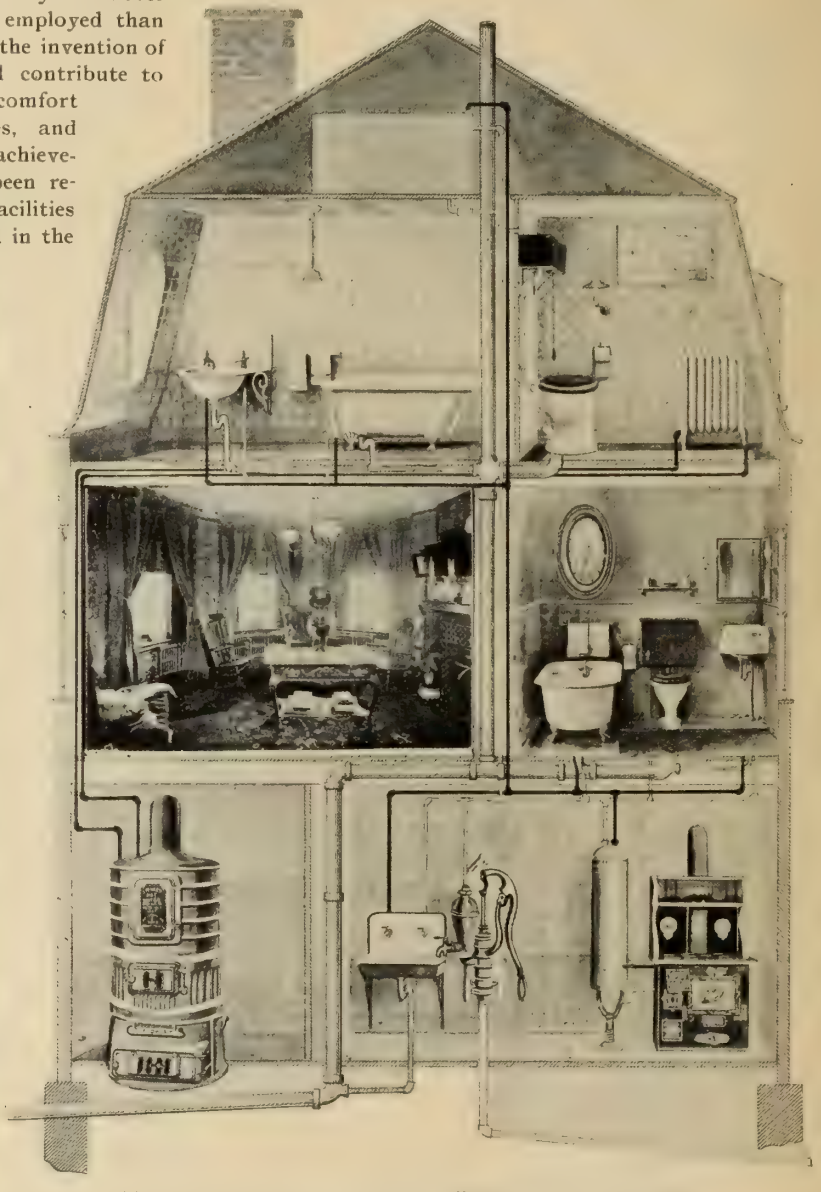
It is without exception the most handsome booklet ever published in Canada devoted to this subject, and The Mechanics Supply Co. are deserving of great praise for the placing of such an elegant piece of literature in the hands of the trade and the architects, to whom a copy will be sent free on application.

Nothing tends so much to the education of the public at large as the perusal of a work like this, and it shows to what a high state of perfection sanitation has reached in our day.

"Figures do not lie" is an everyday phrase, and recent statistics of the death rate in cities where sanitary laws are enforced show that it has been greatly reduced, and that frequently it is much healthier to live in a modern dwelling equipped with the best sanitary and heat-



THE OLD WAY—Illustration from "Sanitation."



MODERN SANITARY APPLIANCES—Illustration from "Sanitation."

Upwards of 20,000 Kelseys In Successful Operation.

3 Kelseys Sold in 1889.
2,500 Kelseys Sold in 1901.

KELSEY CORRUGATED WARM-AIR GENERATORS

(PATENTED.)

Economical, Efficient and Sanitary Warming and Ventilation.

KELSEY heating is unlike any other method of heating.

KELSEYS furnish pure, mild, warm air.

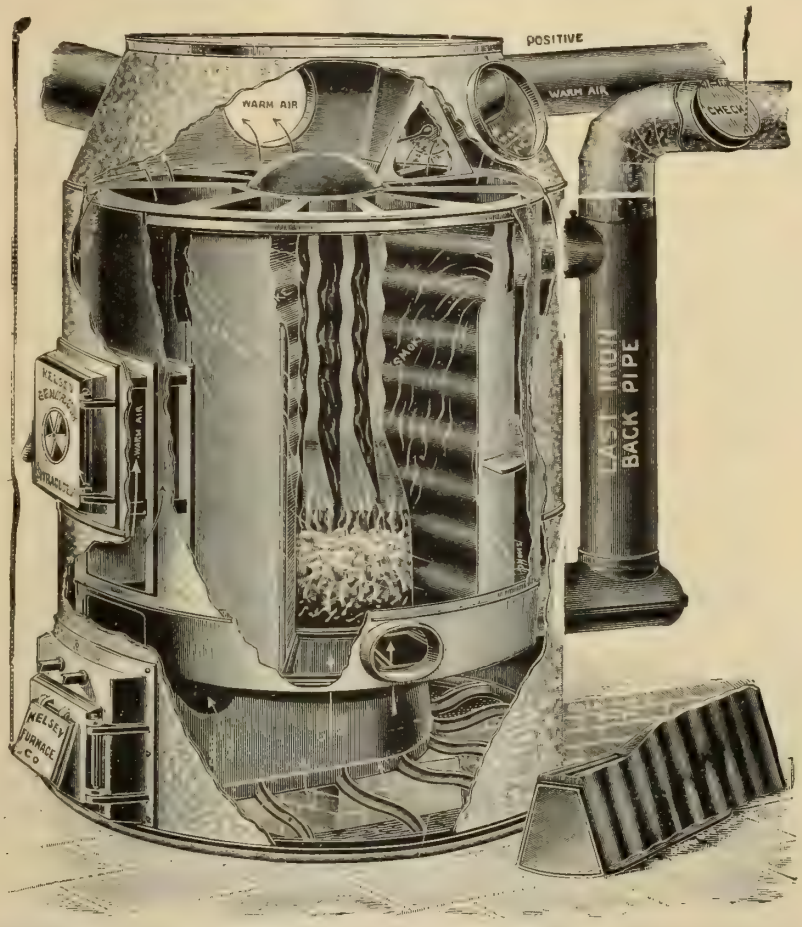
KELSEYS are gas-tight, dustless and smoke-proof.

KELSEYS provide healthful and hygienic warming.

KELSEYS warm all rooms at all times.

KELSEYS are

Heat Makers
Fuel Savers



KELSEYS are very easily managed and controlled.

KELSEYS are not in the same class as the ordinary hot-air furnace.

KELSEYS perfectly warm and ventilate large residences, churches, schools, etc.

KELSEY construction and Kelsey principles of installation will give best possible results.

KELSEY fire-pots do not crack, warp or burn out.

KELSEYS are fully covered BY PATENTS.

OVER 2,000 KELSEYS IN USE IN ITS HOME CITY (SYRACUSE, N.Y.)

KELSEY GENERATORS are now in successful operation from the Atlantic to the Pacific, and in about 250 different places in Canada.

KELSEY GENERATORS assure to the users:

MORE HEAT WITH LESS FUEL. BETTER QUALITY OF WARM AIR.
GOOD VENTILATION AND COOL CELLARS. FREEDOM FROM GAS AND DUST.
ALL ROOMS WARM AT ALL TIMES.

KELSEY GENERATORS have overcome all the many well-known defects so common to the hot-air furnace.

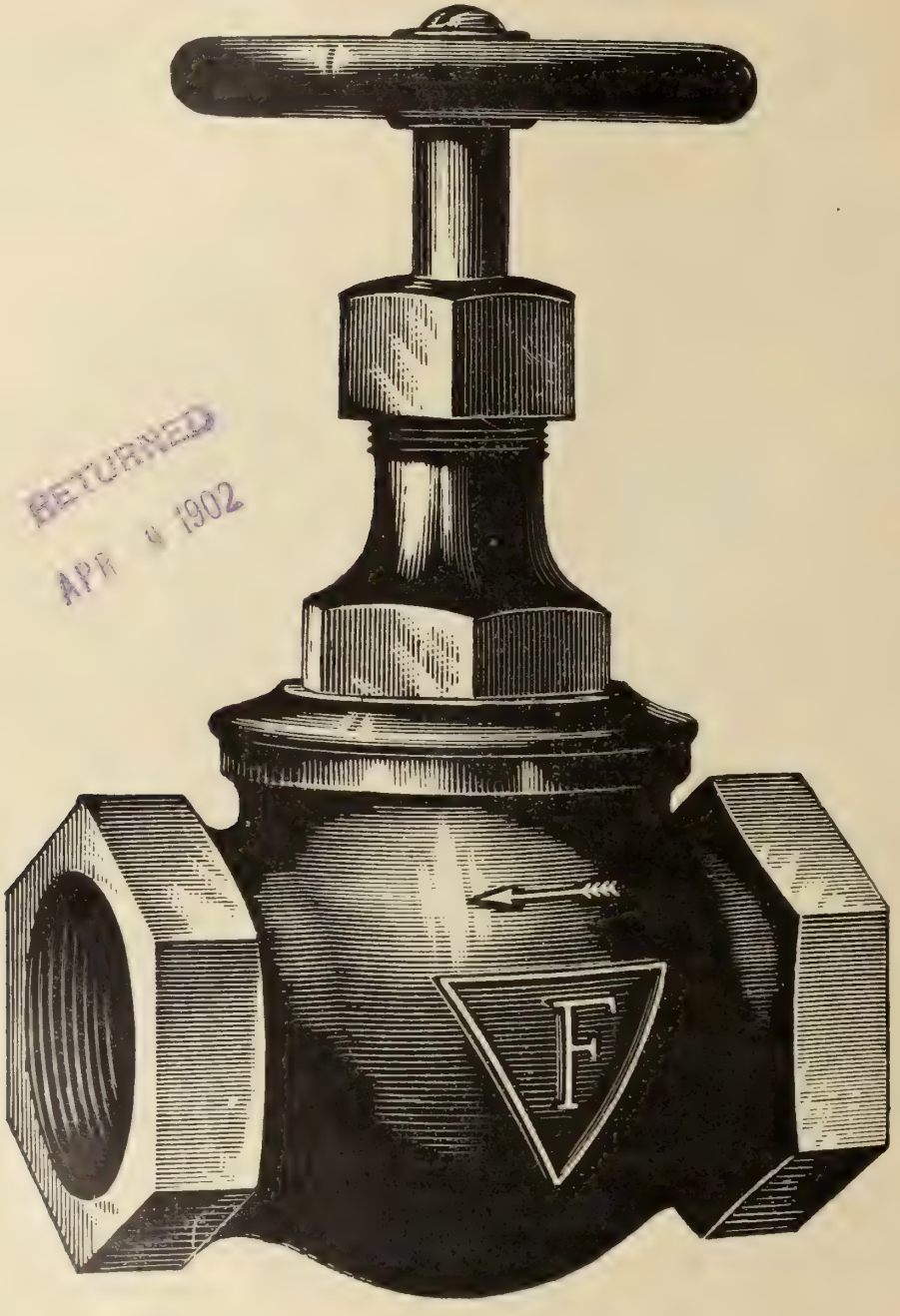
☞ Exclusive agencies given to reliable, pushing dealers, and practical, experienced experts furnished to assist in making estimates and closing contracts.

Dealers handling the KELSEY have something besides price to talk about. Printed matter for the asking.

The James Smart Mfg. Co., Limited

WINNIPEG, MAN. **BROCKVILLE, ONT.**

THE FAIRBANKS
Renewable Asbestos Disc Valve



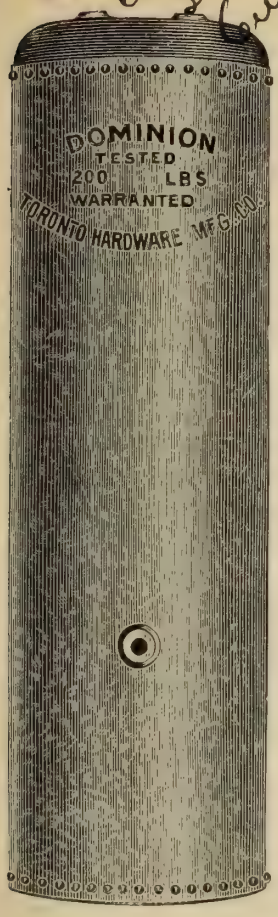
RETURNED
APR 4 1902

In general use by the largest steam plants throughout the United States and Canada.
Send for prices.

SCALES
MILL SUPPLIES
MACHINE TOOLS
PIPE and FITTINGS

The Fairbanks Company,

747 and 749 Craig Street, MONTREAL



To Plumbers :

We stand ready to supply all your needs. We have a complete stock always on hand of

Soil Pipe
Fittings
Sinks
Boiler Stands
Etc.

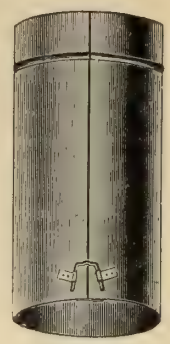
Manufacturers of the celebrated **Dominion Boiler,** awarded medal at the Industrial Exhibition.

Mantels
Grates and
Tiles

All the latest designs in the most artistic finish.

Send for Catalogue.

The Toronto Hardware Mfg. Co., 1100 Queen St. West, **Toronto**


CLOSED.

THE . . .

Triumph Adjustable Stove Pipe

IS THE ONLY PRACTICAL ADJUSTABLE PIPE NOW ON THE MARKET.


NESTS 25 L.

It is the only stove pipe made that is safe and solid. It is easily put up and taken down. When up they are solid and tight.

This pipe can be taken down in the Spring; cleaned and nested so as not to take up much room.

Write for Circular and Prices.

MANUFACTURED BY . . .

Edwin Chown & Son,
KINGSTON, ONT.

PLUMBING SUPPLIES



We manufacture and handle the **BEST** only in Sanitary Goods, suited for the modern home and public building.

"Catalogue to the Trade."



IN

STEAM GOODS

our standard lines and specials are known for their Strength, Durability and Efficiency.

GAS AND ELECTRIC FIXTURES

We are making these goods in neat and attractive designs, and Special Fixtures to order.

"Catalogue to the Trade."

THE JAMES MORRISON BRASS MFG. CO., Limited, **TORONTO**

ing appliances than to go to the country or seaside where, in nine cases out of ten, these important factors are lost sight of.

CONTRACTS IN OTTAWA.

Knox Bros. have just completed the steam-heating contract of the new hall of The Knights of Columbus, Maria street, under the supervision of Architect G. M. Bayly.

The same firm have also secured the steam-heating contract in the proposed warehouse on Queen street, for H. H. Brennan, under the direction and supervision of Architect E. L. Horwood.

CONTRACTS IN TORONTO

Purdy, Mansell & Co., plumbers and steamfitters, Toronto, have secured the contract for the plumbing of the Physical and Biological Laboratory and Museum Building for the Ontario Agricultural College, Guelph.

Sim & Co., plumbers, Toronto, have obtained contracts for the reconstruction of drains at the Sherbourne Street Methodist Church; the plumbing and gasfitting of two houses on Shaw street for A. Willis; and the reconstruction of the bathroom of a house on Markham street.

A PROSPEROUS TOWN.

Leamington, Ont., is steadily growing. Some of the recent additions have been a large tobacco factory, six storeys in height, 60 x 160 ft., electric-lighted throughout, and has all modern improvements, making it up to date in every particular, and a new Anglican church, which will be finished during the coming season. Besides these, there are several other buildings, including stores and dwellings, which will be erected during the coming summer.

SUPPLIES FOR PLUMBERS.

A plumber or steamfitter who is not interested in a good boiler is a nonentity. The Toronto Hardware Manufacturing Co., the well-known plumbers' supply house at 1100 Queen street west, Toronto, are the manufacturers of the "Dominion" galvanized boiler which won the medal for excellence at the Industrial Exposition last year. It is, indeed, well planned and well constructed. The firm also carry a full line of plumbers' supplies, including soil pipe fittings, sinks, boiler-stands, etc.

In addition to their reputation as a plumbers' supply house, they are manufacturers of mantels, grates and tiles which are noted for their artistic design and finish. An advertisement of theirs on page 117 will be found of interest.

VISIT FROM A "SOO" PLUMBER.

John Culliton, of Culliton & Anstey, plumbers, etc., Sault Ste. Marie, Ont., was in Toronto the early part of this week purchasing his supplies for the summer and calling on his friends. Mr. Culliton was formerly with Purdy, Mansell & Co., plumbers and steamfitters, Toronto.

CONVENTION OF ONTARIO PLUMBERS.

OVER 250 master plumbers of Ontario are receiving circulars inviting them to attend a Provincial convention which will be held in Toronto, on Good Friday, March 28, in the Pythian Hall, at the corner of Queen and Victoria streets.

Delegates are expected from Ottawa, Brockville, Kingston, Belleville, Cobourg, Hamilton, St. Catharines, Guelph, Brantford, London, Windsor, Petrolia, St. Thomas, and various other centres where the master plumbers have been organized

The Iroquois Hotel will be the place where they will put up during the convention. The circular is as follows:

At the past convention meeting of the Dominion Master Plumbers and Steamfitters' Association held in Toronto, June, 1901, it was decided to organize Provincial Associations, for which the necessary constitution and by-laws were adopted.

Being honored with the office of vice-president for Ontario, I have been instructed by the Dominion Association President, John McKinley, of Ottawa, to issue invitations to a meeting to be held in Toronto, on Friday, March 28th, inst., that being Good Friday, and as special rates are granted by the railroads for Easter, it was thought that a business trip could be made by those attending the meeting without loss of time to business. You are cordially invited to attend this meeting.

As there are local Master Plumber Associations at present in most of the cities in Ontario, it is our intentions to thoroughly weld our trade interests together by having a perfect organization in every town and village in the Province, for the purpose of furthering sanitary laws, and to prevent as far as possible the evil of irresponsible parties from selecting, arranging and installing material relating to the hydraulic and sanitary condition of dwellings, public and private institutions. To create and maintain a sanitary code at as high a standard as the progress of science and mechanical knowledge teaches. To promote amicable and mutual trade associations with every master plumber in the Province. To combine the interests and influence of members, for the protection of the trade against encroachment or imposition. To secure for the members of the trade equitable treatment in their dealings with manufacturers and dealers in supplies. To regulate the system of apprenticeship, and prevent as far as possible the evil of deficient training, to encourage Provincial legislation in the improvement of our sanitary laws To encourage an interchange of thought and ideas between members.

As the motto of our Dominion Association is "All for One and One for All," it is to be hoped you will be in attendance on March 28, and with your shoulder to the wheel to elect a good executive at the helm. That motto will be instilled into the hearts of every master plumber in Ontario, and that the interests of one will be the concern of all.

If not possible for you to attend you will please reply and advise as to your thoughts on the above, or that you will become a member by connecting yourself with the Provincial Association, or with the nearest local association to you.

Hoping you will accept this invitation,

I am, respectfully yours,

WM. MANSELL,

46 Adelaide street west, Toronto.

BUILDING PERMITS IN TORONTO.

This week building permits in Toronto have been granted to the following: Thomas Holmes, for the erection of a two-storey and attic brick and stone dwelling on 108 Wells street, for $3,000; Louis Supo, for a two-storey brick dwelling on 82 Elm street, for $2,000; T. D. Taylor, for a one-storey addition to residence on 1086½ Queen street west, for oven and bake shop, to cost $600; W. H. Gibbs, for a pair of brick and roughcast semi-detached dwellings on Gerrard street east, for $3,000; T. B. Taylor, for a two-storey brick stable and driving shed in rear of 65 Parliament street, for $2,500; F. D. Capp, for a two-storey dwelling with a brick front and roughcast sides and back on 10 Ashport avenue, for $1,200; Mr. Perry, for an one-storey frame and roughcast dwelling on 27 Lewis street, for $300; B. H. Morehouse, for a pair of semi-detached two-storey and attic brick dwellings on 6 and 8 First avenue, for $4,500; Edward Sylvester, for a brick cellar under his dwelling on 222 Clinton street for $115; Wm. Dilworth, for a pair of two-storey detached brick dwellings on Margueretta street, for $3,300; Mr. St. John, for a brick cellar under dwelling on 246 Shaw street, for $200; W. J. Hewitt, for a pair of semi-detached two-storey and attic brick dwellings on 58 and 60 Langley avenue, for $4,000; Robert Corbett, for a pair of two-storey dwellings with brick fronts and roughcast sides and back on Brock avenue, for $3,000; Robert Corbett, for a pair of semi-detached two-storey brick dwellings on Brock avenue, for $4,000; J. W. Wardell, for a mansard roof on four sides of 295 College street, for $600; J. E. R. Roberts, for a two-storey and attic brick dwelling on corner of Roncesvalles avenue and High Park Road, for $4,500; J. T. Scott, for four two-storey detached brick and roughcast dwellings on Pendrith avenue, for $3,200; Henry Stevens, for a two-storey brick dwelling on 52 Pearson avenue, for $2,000; T. W. Dutton, for a two-storey brick dwelling on 54 Pearson avenue, for $2,000; W. H. Smith, for a four-storey brick warehouse on the northwest corner of Nelson and Simcoe streets, for $6,000; Henry Merrick, for a one-storey brick addition to his store on the northeast corner of McPherson avenue and Avenue Road, for $100; Children's Aid Society, for brick and stone alterations to a dwelling on 229 Simcoe street, for $7,000; E. L. McArthur, for a two-storey and attic brick residence on Maple avenue, for $3,500; John T. B. Rowell, for a two-storey brick horseshoeing and carriage shop on 161 Augusta avenue, for $900, and David Taylor, for brick and plaster alterations to dwelling on 348 George street, for $600.

TO INSPECT PLUMBING FIXTURES.

City Engineer Rust, of Toronto, in his last half-monthly report, made on March 13, urges that waste of water from taps, etc., be prevented. His remedy is to have all plumbing fixtures submitted to the department, tested and stamped before they are put into the buildings. The cost would be covered by a small fee.

THE NATIONAL ASSOCIATION.

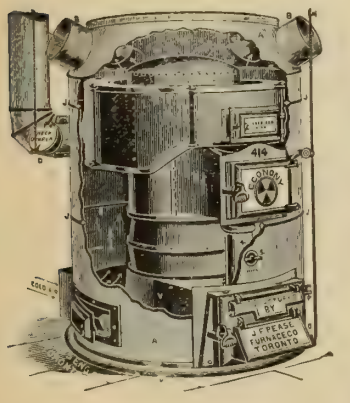
The annual convention of the Dominion Association of Master Plumbers will be held at Halifax next June.

Wire Nails, White Lead, Putty, Shot,
Pig Lead, Sheet Lead,
Plumbers' Supplies.

ONTARIO LEAD and WIRE CO., Limited
TORONTO, CANADA.

Why Not Sell the Best in 1902?

The dealer who has facilities for doing Furnace work should sell only the best line of Heaters. He should have a line complete enough to meet every requirement and the one that has the best general reputation and best record of success.



THAT LINE IS THE PEASE "ECONOMY."

We can help you to increase your business. A post card will bring a prompt reply and printed matter that will interest you. Why not write to-day?

J. F. PEASE FURNACE CO., Limited
189-193 Queen Street East. .....TORONTO.

THOMAS FIRTH & SONS, Limited, Sheffield, England.

BEST CAST STEEL

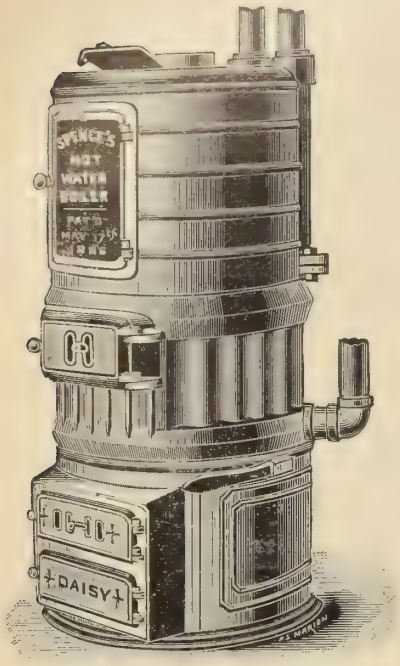
FOR TOOLS, DIES, TAPS, ETC.

Standard for past 50 years in Canada and United States.

H. W. DeCourtney & Co. 86 and 88 McGill Street **Montreal.**
Sole Agents for Canada.

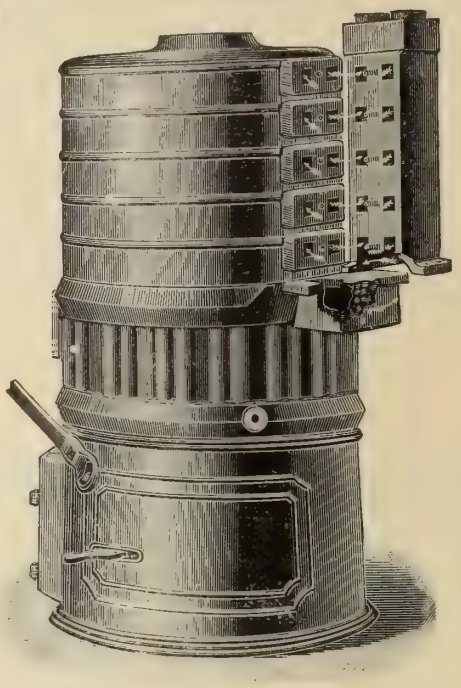
HOT WATER HEATERS

THE "DAISY."



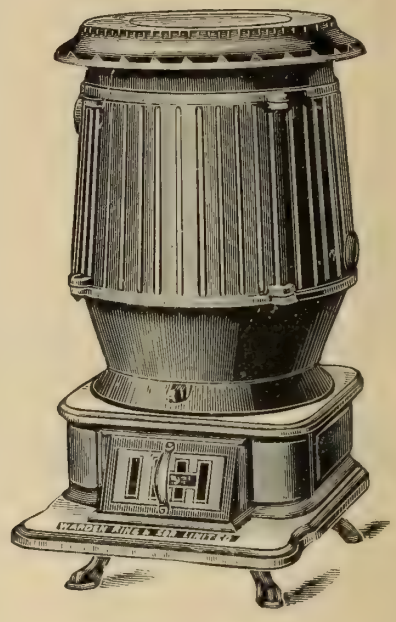
High Base, with Sifting Crates. 12 Sizes.

THE "DAISY."



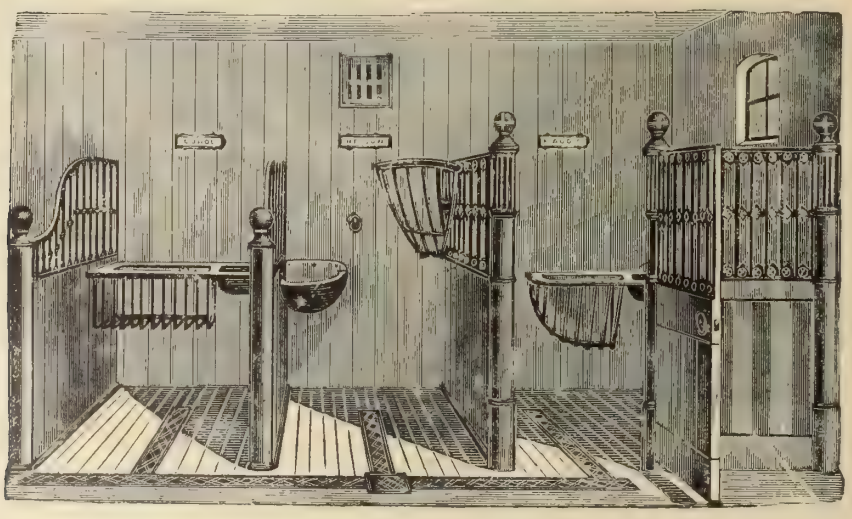
Showing Course of Independent Circulation.

THE "DAISY."



Bath Heater. 3 Sizes.

Cast and Wrought Iron Stable Fixtures.



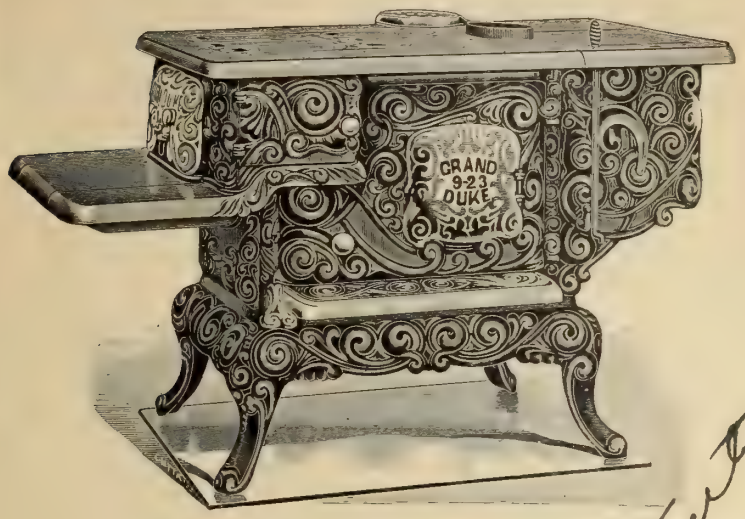
Complete line always in stock.
Other lines we make and have in stock.
"Gem" Heater, for Coal, Wood or Steam.
Soil Pipe and Fittings.
Cast Iron Steam Fittings.
Builders' Castings and Jobbing.

WARDEN KING & SON, Limited

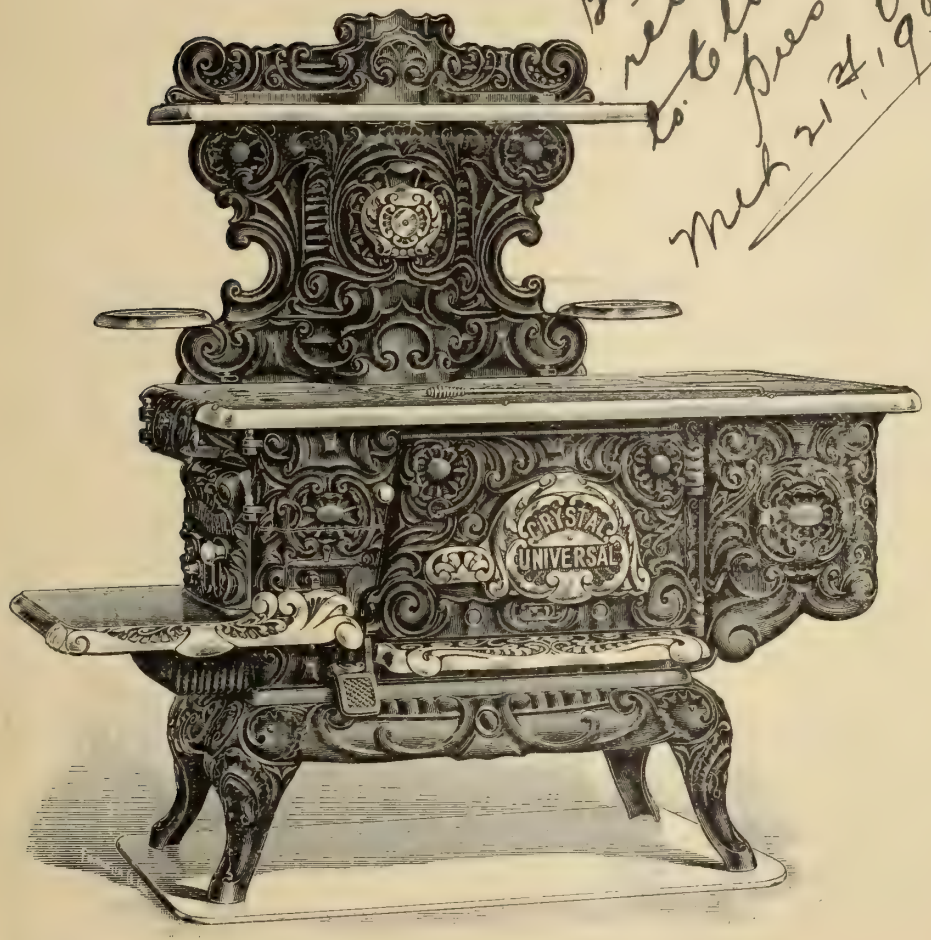
Manufacturers

MONTREAL

WRITE FOR ILLUSTRATED CATALOGUES.



The "Grand Duke Peninsular"



The "Crystal Peninsular"

Noteworthy additions have been made to the

PENINSULAR

line of

STOVES AND RANGES

The "Grand Duke Peninsular"

is an entirely new Wood Cook made in 3 sizes, Nos. 9-21, 9-23 and 9-25.

The "Crystal Peninsular"

is a new Four-Hole Range, with an eighteen-inch oven.

Write us for particulars

Clare Bros. & Co., Preston and Winnipeg



"THE HOME OF THE DOWSLEY SPRING."

Losing Money

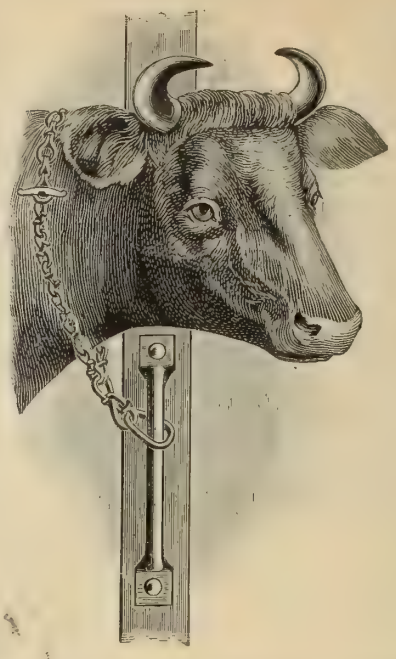
is the man who thinks the ordinary Elliptic Springs and the ordinary Axles are good enough for him.

Finding Money

is the manufacturer or dealer who is using our Springs or Axles. The "Dowsley" Springs will sell your buggy quicker than anything else. A post card from you, and we will talk it over.

Easy Springs at easy prices. Axles and Gears of all kinds. Catalogue cheerfully furnished.

The Dowsley Spring & Axle Co.
Limited
CHATHAM, ONT.



NIAGARA PATTERN

Or "SHORT"

COW TIE.

Made in either

CUT LINK

. . OR . .

WIRE LINK CHAIN.

Showing also our new

NIAGARA STALL FIXTURE.

The **cheapest**, **safest** and **most convenient** stall fixture ever devised for either cows or horses. Allows great freedom to the head without a long chain, which would entangle the animal's foot. Also American Open and Closed Ring Cow Ties.

ONEIDA COMMUNITY, Limited
NIAGARA FALLS, ONT,



Hames Snaps

"Perfection" Wire
Cow Chains
Trace Chains
Halter Chains

Strongest, Smoothest, Best.

Every Link Guaranteed.



All kinds of . . . . ***SADDLERY HARDWARE.***

McKinnon Dash & Metal Works Co.,
LIMITED

For Sale by all Jobbers.

ST. CATHARINES, ONT.

SADDLERY AND CARRIAGE HARDWARE.

SOME HINTS FOR RETAIL DEALERS.

ALTHOUGH this is said to be an age of specialists, there are exceptions to this rule as there are to all others. Almost every country merchant has found it pays best to conduct a general business rather than a particular one. The man who carries something of everything reaches usually a wider class of customers, and, if he has any capital at all and has a reasonably complete stock, he finds it to his advantage to continue in the general business. In the departmental store this idea is amplified, and the ideal of such an establishment, in common with the store of the country cross roads, is the ability to supply everything wanted by the purchaser.

For hardware and general merchants a good line to carry is saddlery hardware. By this is meant such articles as harness, saddles, whips, brushes, curry combs, harness buckles and sleigh bells. It does not require any extra expense beyond the net cost of the goods to put in a stock such as the above, while, at the same time, a good trade may be worked up and much extra profit realized, so that the balance at the right side of the loss and gain account will be augmented. Also, by having people coming for these goods a merchant has a better chance of selling something from his other lines. By taking hold of these goods a good business man may make money.

In selecting a stock for retailing there should be used care and judgment. The requirements of the community should be carefully studied and the articles required for common use taken note of, so that nothing that cannot readilly be sold be put on the shelves.

A carefully selected though small stock of saddlery hardware will usually give better returns than a larger one that has not been so carefully bought. A depleted stock can soon be replenished, by sending an order to the wholesaler, but an unwieldy stock can only be gotten rid of at a sacrifice. It is better for the retailer if he lets the wholesale man carry the heavy stock.

The goods must be seasonable. In the fall the stock should be most complete in regard to sleigh-bells, horse clothing and blankets, and sleigh rugs. These are what are most required for the winter. In the spring light harness, carriage rugs and things of a similar nature always sell the best. An all-year-around stock should consist of polish for harness, bits, parts of harness, such as lines and buckles, brushes, bridles and curry combs. The wants of the customers catered to would determine the particular class of articles carried, and in selecting and ordering the goods, advantage should be taken of these facts.

When he has decided to add to business the retailing of saddlery hardware, the merchant should take the public into his confidence. People should know of his new addition and the best way to inform them is through the local press. An advertisement in a conspicuous corner of the paper with some close quotations is sure to be noticed by the readers. Many circulars advising the public of the new departure and soliciting their patronage should be sent out to various people that would be likely to buy. Close prices are best for building up a trade, as a man having once received good value in an article is anxious to call again when he wants something else.

A window display of saddles, horse blankets, bits, sleigh bells, whips, etc., is another advertising medium that always brings in good returns. Once people get in the habit of coming for these things, success ought to be assured.

IMPORTS OF SADDLERY HARDWARE

The imports of harness, saddlery, rugs for carriages, harness dressing, etc., harness leather, horse clothing and whips and material used in their manufacture, into Canada for the year 1901 amounted to $267,282 Of this, $113,907 was in carriage rugs, $87,598 being from Great Britain, $15,930 from the United States and $2,672 from Germany. The United States has the largest share of the balance of the imports.

In the $54,242 worth of saddlery and harness imported $44,624 came from the United States, $9,390 from Great Britain and $213 from France. There were $50,564 of harness dressings imported, including leather and shoe polish; and of these, $47,910 from the United States, $1,158 from Great Britain, $1,067 from Germany, and the remainder from France and Belgium. Harness leather amounting to $6,809 was imported from the United States. Horse clothing, including horse blankets valued at $6,986, were imported; $6,806 being from the United States and only $180 from Great Britain. Whips amounting to $4,085 were imported from the United States, $2,246 from Great Britain, and $30 from France and Germany, bringing their total value up to $6,361. In square or round reeds and raw hide centres, textile, leather, or rubber heads, thumbs and tips, and steel iron on nickle caps there was $29,414 worth imported by manufacturers for use in their own factories in the manufacture of whips, of which the United States contributed $28,413, and Great Britain $1,001.

Of the total imports enumerated above it will be seen that $154,276, or 57.72 per cent., were imported from the United States.

AN OLD AND SUCCESSFUL FIRM.

The late James Jolley, the founder of James Jolley & Sons, harness manufacturers, Hamilton, Ont., began manufacturing harness in 1843 at 51 and 53 John street south, the presest location of their factory. The business continued to grow, and 30 years after its commencement, in 1873, Mr. Jolley's two sons, C. J. and W. J. Jolley were admitted as partners into the business, which was thenceforth conducted under the style of James Jolley & Sons. And, after Mr. James Jolley's death in 1892, these two sons continued. Several years ago, when the younger Messrs. Jolley decided to branch out in the manufacture and jobbing of harness, saddlery, trunks, valises and kindred leather goods, they were rewarded with remarkable success. Last year they found themselves so cramped for room that they were unable to fill the orders which rolled in upon them from various portions of Canada, and it became necessary to extend their premises. A four-storey brick and stone addition to their building, having a floor space of 16,000 sq. ft., was erected and equipped with modern machinery. This new building has recently been completed, and it is worthy of note, that all the machinery now employed by the firm is operated by electrical power. The firm at present employs 60 men, but this number will be increased to 100 in the near future.

The firm of James Jolley & Sons now possesses the most complete manufactory of harness, saddles, horse collars and other leather goods in Western Ontario, and, in addition to these goods, carries an extensive line of saddlery hardware, horse blankets, etc. It is one of the oldest of its kind in all Canada, and the only industry of its nature in the vicinity of Hamilton. The members of the firm are progressive and entitled to much credit for the rapid progress they have made in their business undertakings.

They say that the year 1901 has been very prosperous for them, showing the greatest increase in 50 years, and announce that if this prosperity continues they will shortly be under the necessity of doubling their present capacity.

ADDITION TO A WHIP FACTORY.

The Hamilton Whip Co., Hamilton, have just completed a large addition to their already extensive factory building. The addition comprises a new department for braided leather work of every description The ranges in this line will include all styles of lashes, running in length from 1 to 20 ft., from common 4-platt to finest 16-platt calfskin, and buckskin Californian style lashes. All styles of leather-covered carriage, cart and team whips, drovers' quirt and dog whips.

The fine leathers used in the manufacture of these lines are manufactured under the same supervision. This department is taxed to its full capacity.

The Hamilton Whip Co. have recently put in an extensive plant solely for the production of horsehide, calfskin, buckskin, cordovan, and other fine leathers used in their business. Producing, as they do, the finished articles from raw stock, they are in a position to make the very lowest prices, and guarantee the excellence and quality of their lines.

In straight whips their well-known lines are the standard for quality throughout the Dominion.

ONLY WOMAN HARNESSMAKER IN THE WORLD.

What is said by the National Harness Review to be the only shop in the United States owned, run and operated entirely by a woman, is that belonging to Mrs. M. D. Lydick in a country town in Nebraska From making waxed threads and hamestraps she progressed to a full-fledged harnessmaker, and is said to be one of the most skillful "workmen" in the State.

AN OLD RELIABLE SADDLERY HOUSE.

One of the oldest and largest manufacturers of horses' clothing in Toronto is the firm of T. Woodbridge & Co., which was established in 1872, and possesses commodious warerooms at 49 Colborne street. This firm make a specialty of saddlery hardware, such as whips, sleigh bells, etc., doing a large business in this line throughout the Dominion. They are also large manufacturers of rubber rugs, plush robes, etc., in which for some years back there have been many improvements, both in comfort and elegance. They do a large business in Bishop's fur robes, fur coats, etc. They manufacture only fine goods, but in this line their warerooms are stocked with a large and handsome variety. Hardwaremen who are dealers in saddlery hardware of any sort will do well to communicate with this firm. They have an advertisment on page 77.

Don't maintain an obsolete and inefficient system of bookkeeping when the expenditure of a little money and the experience of a little inconvenience will secure one that is more modern.

MIXED PAINTS IN PASTE FORM.

THE Hollywood Paint Co., Limited, of Hamilton, is the latest addition to the list of paint manufacturers in Canada.

A visit to their factory reveals the fact that they are now actively engaged manufacturing and ready to secure their share of spring business. Their factory is equipped with the latest improved machinery, driven by electric-power, so that their methods of production are most economical, and place them on a par with their competitors. Their principal product is "Hollywood" mixed paint in a semi-paste form, in connection with which their manager, Mr. Norman S. Jones, says: "The painters throughout Canada have so often been induced to believe that the various brands of liquid paints submitted for their use were pure and made with the very best linseed oil only to find out later that they had been grossly deceived. Therefore, we decided to put on the market a semi-paste product of the very best lead and zinc, so that the buyer could purchase his own linseed oil and be satisfied that he was getting the very best. In this way the householder and practical painter knows beyond any question or doubt that he is getting the very best material for his money.

Their proposition to the consumer says "one gallon of pure linseed oil added to one gallon of 'Hollywood' mixed paint will give you two gallons of pure mixed paint." With their paints, The Hollywood PaintCo. give a five-year guarantee of durability and satisfaction, so that their offer to painters and consumers is certainly an attractive one. In addition to mixed paints, they will also manufacture colors in oil, driers, varnishes and everything that is used in the decoration of a house, except wall paper, glass and brushes.

Mr. Jones reports that he has secured from one of the principal producers of turpentine in the Southern States the Canadian agency for turpentine spirits, besides which their company has been appointed the exclusive agent for a number of European products greatly in demand by paint manufacturers

When paint dealers and others using paints consider the main points necessary to success in any undertaking at the beginning of the twentieth century—economy of production, high standard of quality, and a generous energy to do business, we feel sure that they will do well to communicate with The Hollywood Paint Co., Limited, for the sale of their products.

AN UP-TO-DATE HARDWARE STORE.

On page 13 of this number will be found cuts of the new hardware store of The Seybold & Sons Co. The old establishment was destroyed by the big fire of January, 1901. Their new store, which occupies the same place as the old one, is seven storeys in height, and contains all the latest and most approved facilities for handling the ever increasing trade of this up-to-date firm. Seybold, Son & Co. were established on March 17, 1870, and were incorporated under the style of The Seybold & Sons Co. on February 1, 1901.

Now that they are established in their new premises they are making a special effort to increase their trade, and are adding a number of new lines to their stock. The Seybold & Sons Co. extend a special invitation to all merchants interested in hardware to pay them a visit at their new warerooms and inspect their new stock and the improved arrangements for sample-rooms and the general working facilities to be found there.

A MANUFACTURERS' AGENT.

Mr. William Abbott, formerly of the Abbott & Co., rolling mills, Montreal, and latterly connected with the rolling mills in Belleville, has returned to Montreal and taken up the business of agent for manufacturers in those branches of iron and steel for which his long experience as a manufacturer has eminently fitted him. HARDWARE AND METAL wishes him every success.

WIDE DEMAND FOR STAUNTONS'.

Many dealers in wall papers are already running short in rich coloring effects because they did not forsee such a wide demand for these patterns. Stauntons Limited are daily having repeat orders come in for their richest shades and most effective designs, and are advising dealers who already have reduced stock to place orders at once while they are able to duplicate them. Stauntons' shipments are being made more promptly than ever this year—they are in first-class shape for making prompt delivery of all orders placed with them.

SHOULD READ TRADE PRESS.

At the recent meeting of the Kentucky Retail Hardware Association, the secretary in his annual report said: "With an increased membership and consequently a more satisfactory treasury, we think that much more can be accomplished in the future. I would particularly call attention to the advantages derived from reading one or the other of the really good trade papers published. The subscription amount is so small that any dealer can afford to subscribe. They contain much that is of value to the retail hardware dealer, and the labors can be lessened by the member being posted by such a medium."

In his annual address the president of the Iowa Hardware Association said:

"The trade journals we cannot commend too highly; they have a place to fill and serve their purpose well. No well-regulated store should be without them. They are an always welcome visitor, but they give us cold facts and figures in their application to our business."

HAMILTON WHIP CO.

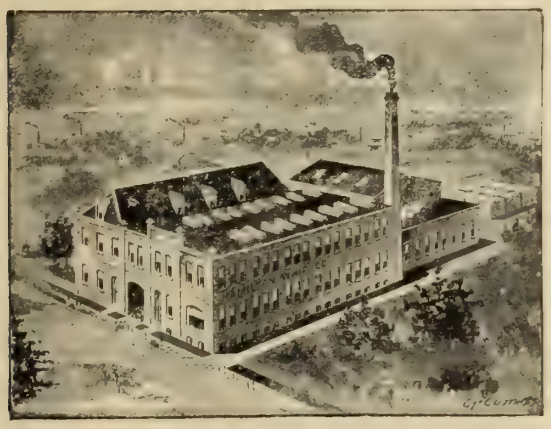
—MANUFACTURERS OF—

Fine Whalebone and Rawhide **WHIPS**

Patentees and Sole Manufacturers of the Famous

MONARCH AND NAPOLEON RAWHIDE WHIPS.

Specialties: Fine Whalebone and Vulcanized Rubber-Lined Rawhide Whips. English Holly Coach Whips. Braided Leather Whips and Lashes—in many styles.



CHEAP WHIPS OF EVERY DESCRIPTION. It will pay you to wait for our traveller.

Office, Factory and Warehouse:

119, 121, 123 Mary Street, - - HAMILTON, ONT.

Eastern Representatives: W. L. Haldimand & Son, St. Dizier St., Montreal, Que.
Western Representatives: MacKenzie Bros., P.O. Box 579, Winnipeg, Man.
British Columbia: W. G. MacKenzie, Vancouver, B.C.

Ask your dealer for

Rudd's Hand-made Harness

Every set stamped and guaranteed

Catalogue furnished Dealers on application

MANUFACTURED BY

GEO. A. RUDD & CO.,

10 and 12 Alice St., Toronto

Established 1843.

James Jolley & Sons

Leading Manufacturers in our line.

Wholesale Manufacturers of Harness

in all its branches.

HORSE COLLARS



HORSE BLANKETS

Dealers in English, American and Canadian

Saddlery Hardware

51 and 53 John Street and 9 and 11 Bowen Street

HAMILTON ONT.

Correspondence Solicited.

THE GUELPH AXLE MFG. CO., LIMITED

MANUFACTURERS OF



Established 1872

GUELPH AXLE WORKS

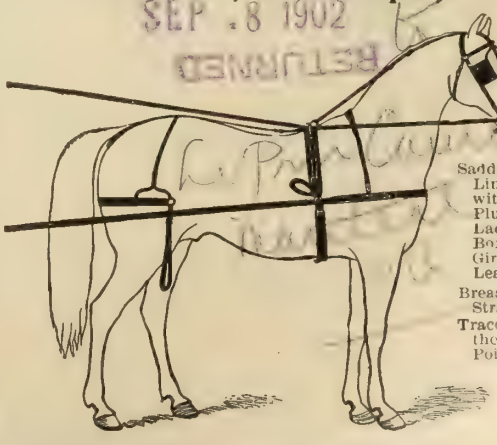
Carriage and Wagon Axles

We Solicit Correspondence from Jobbers

Eastern Representatives: **DELORME BROS, Montreal**

Western Representative: **E. H. BISSETT, Winnipeg**

W. J. GIBSON, Gananoque, Ont.



No. 36. Single Strap Track Harness.

GENUINE RUBBER TRIMMED.

Smooth Round Edge Finish with Raised Layers, Point Pattern.

Bridle—½-in., Box Loops, Patent Track Winkers, O.D. Check with Folded Nose-band, Silk Stitched, Beaded Front.

Lines—⅞-in., with Steel Spring Billets, 1¼ in. Hand Parts, all Black.

Saddle—Stuffed Pad, Leather Lined, 2¼ in., Full Track, with Covered Seat and Gilt Plugs. ⅝-in. Back Band, Laced, Shaft Tugs ⅞ in., Box Loops and Griffith Girth, Folded, Pebble Leather with ⅞-in. Billets.

Breast Collar—1¾ inch Straight.

Traces—1½ in., Sewed on to the Breast Collar, Raised Point, Box Loop Stays.

Breeching 1½ inch, Solid Single Strap, Raised Layer, Back Strap Scolloped and Raised, Hip Strap ⅝-in., Side Strap ⅝-in., Stuffed Flax-seed Crupper.

With Silk Stitched Beaded Housing

Price, $20.00.

The "C" Brand Horse Nails

have been made by us for over a third of a century.

THE "C" BRAND IS THE ONLY ONE SOLD IN CANADA WHICH HAS HAD THE COMPLIMENT PAID IT OF BEING IMITATED. WHY?



DON'T BUY ANY HORSE NAILS SAID TO BE "C" BRAND, UNLESS OUR NAME IS ON EACH BOX.

No other Horse Nails made or sold in Canada, either command as large a sale or an equal price. Why? The superior quality and value gives the answer.

Every Nail is Warranted Perfect



Test the Quality with other brands

The "C" Brand Horse Nails are "hot forged" from the best material known or used in the world for making Horse Nails. It is a special quality of Swedish charcoal mild toughened steel made expressly for our Company. They are the best and most economical for the farrier to use. Order the "C" Brand—refuse substitutes said to be "just as good."

CANADA HORSE NAIL COMPANY, MONTREAL

HARDWARE AND METAL MEN DINE.

THE first annual dinner of the Montreal Metal and Hardware Association in connection with the Board of Trade was held at the Montreal Club on Thursday, March 13, and was a decided success. Mr. James W. Pyke, the popular president of the association, presided, with Mr. Wm. McMaster and Mr. George Caverhill in the vice chairs, and there were also present Messrs. Randolph Hersey, A. E. Hanna, H. M. Blaiklock, J. C. McCormick, J. B. Learmont, T. H. Newman, T. P. Bacon, Wm. Starke, J. R. Kinghorn, J. T. McCall, Fred Bacon, G. J. Crowdy, J. Stanley Cook, T. Chas. Davidson, A. H. Campbell, W. S. Leslie, T. L. Paton, R. Starke, and Mr. Peters, of Winnipeg.

After justice had been done to an excellent menu, the chairman made a few remarks and proposed the toast of "The King," which was loyally received. No formal list of toasts had been prepared and there were no set speeches, but in the course of the evening nearly everyone present was called upon either for a speech or a song, those contributing songs being Messrs. Blaiklock, Caverhill and Paton.

One of the chief features of the evening was the speech by Mr. William Starke in proposing the health of Mr. Newman, who is leaving on a well-earned holiday to Europe, via the Mediterranean. Mr. Starke, who is sometimes styled the "Nail Keg King," boasted of holding a unique position as a manufacturer, but his pride was punctured by Secretary Cook's explanation of the Latin derivation of the word "unique" signifying one-horse.

Mr. Randolph Hersey, the veteran among the manufacturers, but still hale and hearty, responded to the toast of "The Manufacturers."

Among other interesting items were Mr. Learmont's reminiscences of the early days of the old firm of Crathern & Caverhill, and general regret was felt at Mr. Crathern's inability to be present. Absent friends were not forgotten, and the announcement that Mr. W. W. Near, of the Pillow & Hersey Manufacturing Co., was soon expected home, fully restored to health, was received with pleasure.

A short time was spent in pleasant social intercourse before the gathering broke up and everyone agreed that a most enjoyable evening had been spent and that such occasions would foster greatly a fraternal spirit in the trade.

BORN TO THE HARDWARE TRADE.

D. H. Howden & Co., wholesale hardware, is the title of the new firm that opened out in London in January. The company comprises D. H. Howden, D. C. Johnston, J. A. Brown and J. V. Givins. They are thoroughly practical in the hardware lines, having been born into the business, so to speak, and are well known to hardware dealers in the west. They start in under most favorable auspices, with ample capital at their command, and their long and pleasant connection with the trade assures them success. They have secured admirable premises, large and spacious, and have a full and extensive stock of the latest and best lines on hand.

DEVELOPMENT OF THE ANCHOR.

IN the paper read before the Shipmasters' Society, at the London Chamber of Commerce, Eastcheap, recently, Capt. Anthony S. Thomson, C. B., dealt with certain stages in the development of the anchor, the object being to arrive at sound conclusions with regard to the functions of the different parts of an anchor, and the value of recent modifications. After dealing briefly with the earliest forms of anchors, grapnels, mushrooms, and the ordinary stocked anchor, the author went on to state that the ships' anchors in general use up to the beginning of last century consisted of a long, round iron shank, having two comparatively short straight arms or flukes, inclined to the shank at an angle of about 40 degrees, and meeting it in a somewhat sharp point at the crown. In large anchors the bulky wooden stock was built up of several pieces hooped together, the whole tapering outwards to the ends, especially on the after or cable side.

Continuing, the author said that about the commencement of last century a clerk in Plymouth naval yard, Pering by name, suggested certain improvements, the most important of which was making the arms curved instead of straight. At first sight, this simple change may seem of little value, but consideration will show that this is not the case. The holding power of an anchor depends on two principal conditions, namely, the extent of useful holding surface and the amount of vertical penetration. The latter quality is necessary on account of the nature of ordinary sea-bottoms, the surface layers of which are generally less tenacious and resisting than is the ground a short distance below. Now, the measure of penetration, and also, to a limited degree, that of useful holding surface, is the vertical distance from the lower portion of the shank to the pea, or extreme end of the arm, when fully buried. The distance evidently depends on the length and on the inclination of the arm. Some inclination the arm must have, in order to bring about penetration; yet, the more at right angles to the shank the greater the penetration.

These two opposing conditions are reconciled by curving the arm to the arc of a circle having its centre in such a position that the radius of the curve is about a third of the length of shank. Two minor advantages also accrue. During the process of tripping or breaking out the anchor, the buried arm continues its curved path in the ground until the shank is nearly vertical and the pea ready to emerge with the least possible resistance. The old-fashioned straight arm, on the other hand, retained a more or less horizontal direction in the ground, until the leverage derived from the effective length of shank became very much reduced. Again, with straight arms there exists considerable resistance to penetration, because the entire anchor must move longitudinally before the arm can bury itself; but with curved arms the weight alone of shank and upper arm suffice to bury the anchor in soft bottoms without longitudinal displacement. This last consideration, which has some bearing in the case of modern stockless anchors with two blades, was again referred to when dealing with the Martin's type of anchor.

In the year 1831 chain cables began to supersede the hempen ones, with the result that the long-shanked anchors hitherto in vogue were no longer necessary, and anchors with shorter shanks and with heavier and stronger crowns gradually came into use. In consequence of these changes, a commission was appointed in the year 1838 to inquire into the holding power of anchors, and a principal result of their labors was the adoption of the so-called Admiralty pattern anchor, which continued in the navy up to 1860. The invention of the steam hammer in 1842 made the welding of heavy masses of iron a comparatively easy and reliable process, so that from this time onwards the strength of anchors fully kept pace with that of the chain cables which had come into general use. A great number of patents for anchors were taken out prior to the great Exhibition of 1851, and public attention having been called to the models there shown, in the following year a committee was appointed by the Admiralty to report on the qualifications of anchors of the various kinds. Practical trials were then instituted, and, as a result, Trotman's anchor took the highest place out of eight competitors, Rodger's anchor being second on the list.

Some of the tests to which the anchors were submitted were of doubtful value, such, for instance, as "facility for sweeping." Nowadays, at all events for deep ships in shallow harbors, it is considered an advantage for an anchor to offer as little obstruction as possible above the ground. In this particular test, as also in some others of small importance, Trotman's anchor was handicapped as against those of ordinary form, yet it came out first owing to its undoubted superiority in holding power. The author then described the structure and qualities of the two anchors last referred to, which may be taken as types of the best stock dependent anchors. Hawse stowing anchors, the strength and weight of anchors, some experiences of tramp steamers dragging their anchors, and a sketch of recent developments of stockless anchors were also dealt with.

GASOLINE ENGINES

SIMPLE AND DURABLE

MARINE
VEHICLE
STATIONARY

AUTO. SUPPLIES



Hamilton Model Works

258 CATHARINE ST. N., HAMILTON, CANADA

Duval Metallic Packing

The Best on the Market for

HIGH STEAM or HYDRAULIC SERVICE.

SAVES TIME MONEY MACHINERY

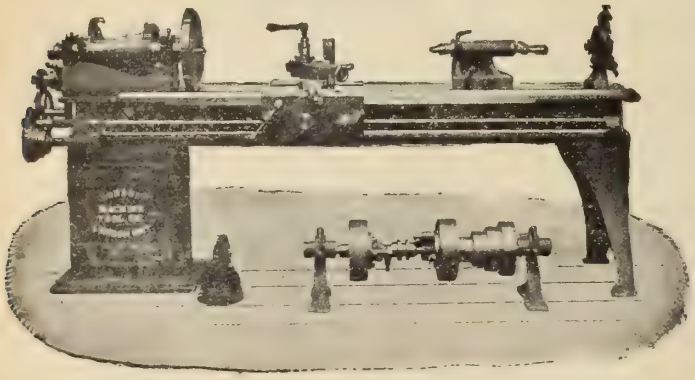
SEVEN YEARS' CONTINUOUS SERVICE WITHOUT RENEWAL OR ATTENTION. NO SPRINGS. FITS ANY BOX.

Sole Agents in Canada: **LAURIE ENGINE CO.,**

321 St. James St., MONTREAL.

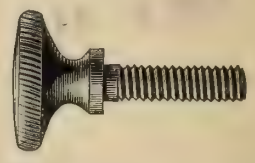
The London Machine Tool Co., London, Ont.

Manufacturers of



General Machinery Lathes, Planers, Drills, Shapers, Hammers, Bull Dozers, Punches, Presses.

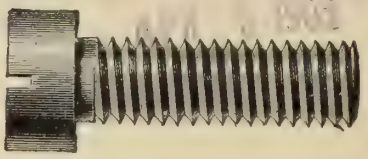
The John Morrow Machine Screw Co., Limited



Makers of

SET and CAP SCREWS, and ENGINE STUDS

Also all classes of Special Milled Work from Iron, Steel and Brass.



We are the oldest, largest and best equipped company in the Dominion in our line.

INGERSOLL, - ONT.

If you want to build Blast Furnaces, Steel Works, Rolling Mills, Rod Mill, Wire Mill, Galvanizing Plant, Wire Nail Factory, or Woven Wire Machines for Fence Wire, it will pay you to call and have a talk with Mr. Stanyon, of the

Stanyon Engineering Co.

402 McKinnon Building,
Melinda Street,

TORONTO, - - ONTARIO.

We have saved others a great deal of money in designing mills and Special Machinery—we can do it for you.

All mills built complete, of the most modern designs.

Special Machinery designed and built for economical handling of any material or any purposes.

FIFTEEN YEARS' EXPERIENCE IN IRON AND STEEL WORKS.
TEN YEARS' EXPERIENCE IN ROD AND WIRE MILL MACHINERY.

Machines and Machinery.

CANADA FOUNDRY CO.'S NEW WORKS.

FEW readers of HARDWARE AND METAL know that a large amount of money is being expended on a mammoth manufacturing plant situated at the head of Mackenzie avenue at the crossing of the C.P.R. and G.T.R. systems, in northwest Toronto. The property belongs to The Canada Foundry Co., Limited, and consists of 32 acres. It is bounded on one side by the northern branch of the G.T.R. to North Bay, and the main line of the C.P.R. crosses the southern part of the property. Sidings from both systems connect with the private tracks of the company, which include a mile and a quarter of line connecting the different buildings and erecting grounds. The company have their own locomotive, in order that manual labor in handling may be reduced to a minimum.

Before the plans for this important plant were completed, a party, consisting of the architect, chief engineers and executive officers of The Canada Foundry Co., Limited, visited the largest and best iron works in the United States, in order to obtain the latest ideas regarding the handling and working of structural steel in larger sizes and quantities than has ever been done in this country. The result of their investigations is now becoming apparent in the shape of numerous large buildings, showing their skeletons above the surroundings. These buildings are all fireproof, being constructed of concrete, brick and steel. The pattern vault is also provided with non-breakable glass windows set in metallic sashes, capable of resisting any fire. The accompanying cut shows the recently completed chimney, a magnificent piece of work standing 216 feet above the foundations. At the base is situated the power-house in which will be installed a large battery of boilers, steam engines, electric generators, etc. The motive power generally used throughout the building will be electricity, but hydraulic and compressed air lifts will be utilized for chipping, riveting, caulking, etc. Each building will be supplied with electric cranes and individual compressed air lifts will be installed wherever necessary. The buildings at present under construction are: Machine shop, foundry, structural iron works, blacksmith shop, power-house, pattern vault. To these will shortly be added an engineering and draughting building and pipe foundry.

The plant formerly operated by The Diamond Machine and Screw Co. has recently been purchased and is now being operated by The Canada Foundry Co., Limited, and during the summer will be moved and consolidated with all the other departments at the works on the completion of the new plant at Segeco, as the locality is to be called.

It is generally understood that The Canada Foundry Co., Limited, is controlled by The Canadian General Electric Co., Limited.

WHERE TO LEARN SHOP "KINKS."

To learn shops kinks, start a general repair shop with no capital, some ingenuity and a couple of second-hand machines, writes "The Mechanic" in Shop Talk. Take every job that comes along, and sit up nights figuring how spiral gears are to be cut in a lathe, how milling is to be done with a grinder, and various other things that will develop. Not only kinks, but tangles, will be among them.

When people come in and ask you if you can fix a sewing machine, a wringer, a baby carriage, an umbrella or a watch, tell them "yes," and take it, for if they are told a couple times that your shop is not just equipped for that particular job, they won't come with the next one, and the other fellow will get it. Do the work somehow, and you will find that the saying, "Necessity is the Mother of Invention," is true. Don't do the easy part of a job and turn the rest over to a shop with a larger equipment, for they will get the profit if you do, which is small enough on the whole thing anyway, and you will come out in the hole. By doing the hard part is just how to learn.

Start up a repair shop to find out how many impossible jobs are possible.

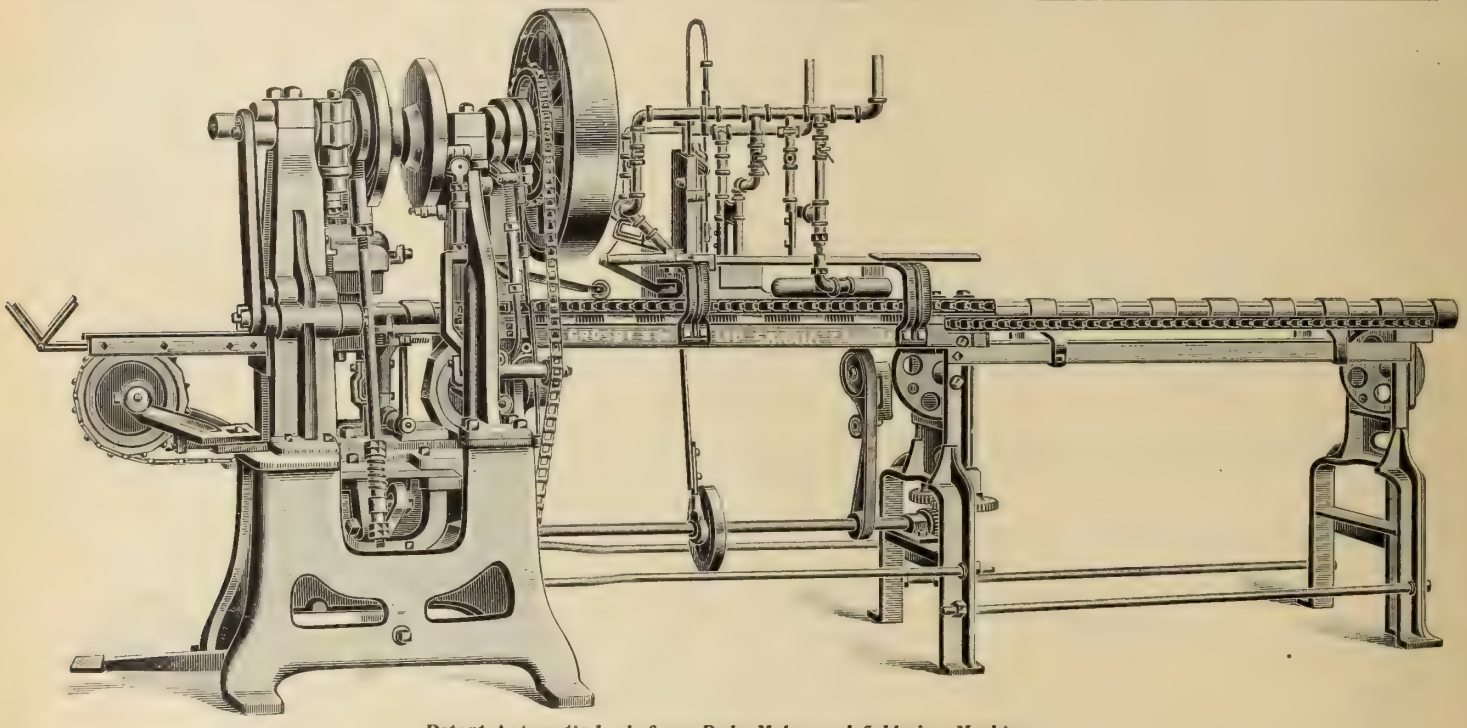


AN INGENIOUS MACHINE.

THE accompanying illustration shows the patent automatic lock seam body maker and soldering machine, which is manufactured by G. A. Crosby & Co., Limited, Sarnia, Ontario. It is one of the machines of their well-known automatic can making line, and which will produce from 30,000 to 36,000 can bodies, side seam locked and soldered, in a ten hours' run.

This machine is one of the greatest improvements of the age in can-making machinery. The body blanks are placed by an attendant on an automatic device which carries them into dies where hooks are formed in the ends of the bodies whence they are passing automatically to a forming horn where they are formed with hooks interlocked and seam-pressed down. They pass automatically to an automatic fluxing device, which places the flux (either liquid resin or acid as may be desired) on the seam in such quantities as may be needed and no more, so as to leave the body clean and neat after being soldered. The body is then passed forward to the soldering attachment, where a very ingenious device cuts from a wire of solder the exact amount required to make a perfect seam, applying the same into a crease. After receiving the solder the body is passed over a set of heating or sweating irons, causing the solder to sweat into the seam thoroughly, the same being wiped automatically, making it strong, clean and with less solder (all on the outside) than any other device yet invented.

The above company have for the past nine months been installing a plant at Point Edward, Ontario, which is strictly up to date in every particular. They are manufacturers of presses, dies and sheet-metal working machinery, especially machinery for manufacturing tin cans, either automatically or by hand.



Patent Automatic Lock Seam Body Maker and Soldering Machine.

AMERICAN VS. ENGLISH MACHINERY IN CHINA.

Apropos of the frequent announcements going the rounds of the newspaper press anent the capture of machinery orders by American firms in markets which the British manufacturer had dominated (certain identical reports being repeated "ad nauseam" in the same journals in different forms), it is refreshing to get a glimpse of other side of the question, and to find that one, at least, of the representatives of Great Britain's chief staple industry requires not the admonition to "wake up."

An old-established firm of English flour-mill engineers have just secured the contract for the supply and erection of a large flour mill on the most modern system in North China. More than one firm of American makers were competing for the work, and, although they claimed to produce by their process better qualities and higher percentages of flour, the English firm in question were able to satisfy the buyers as to the superiority of their machinery and its ability to produce qualities and percentages equal, or superior, to the Americans'.

This English house takes the contract at a price below any of the American houses, and has undertaken to ship the whole plant in 10 weeks from date of acceptance of order. The firm in question is Messrs. E. R. & F. Turner, Limited, of Ipswich, who, some months since, shipped a similar complete flour mill to China, the order for which was secured in competition with America.

ESTIMATES FOR INSTALLING MACHINERY.

WHEN the Canadian manufacturer is agitating for Canadians to patronize home industry by purchasing goods made in their own country, it might not be amiss if they would put their own theory into practice when contemplating any changes or improvements in their factory or new building, by employing a Canadian engineer. In this connection the Stanyon Engineering Co., McKinnon building, Toronto, is prepared to furnish designs and estimates for installing all kinds of steel works, rolling mills, etc. This is the firm who are at present entrusted with the installing of the plant of the big steel works of the Cramp Co. at Collingwood, Ont. They make a specialty of designing and installing steel works and rolling mills, rod mill plants, wire mill plants, galvanizing plants, nail factories, fence and barb factories; all mills built complete; hot rolled and cold rolled steel, power transmission outfits, elevating and conveying outfits, wire and wire products, furnace castings, etc.; special machinery designed and built for any purpose. Firms contemplating any changes along these lines will do well to write them. An advertisement appears on page 128.

SUGGESTIONS TO ENGINE BUYERS.

A simple horizontal throttling slide-valve engine is to be recommended for low first cost, cheap fuel, small floor space, small operating skill required, medium or high speed.

A horizontal throttling compound slide-valve engine is to be recommended for medium first cost, fair economy, medium floor space, for pressures of 90 lb. and upward, small ability for operating, medium or high speed.—Shop Talk.

The New Departure in Iron Making in Great Britain.

From Iron and Coal Trades' Review.

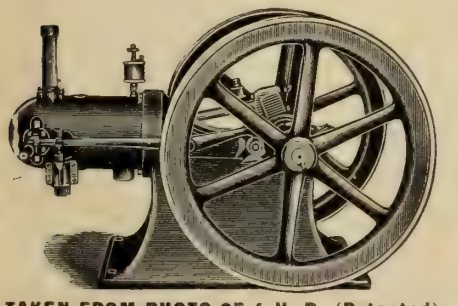
IT is probably not too much to say that all the pig-iron makers in Great Britain are at the present moment looking forward with interest, not unmixed with anxiety, to the possibilities involved in the reconstruction of their existing plants, as typified by the fact that already one of the furnaces of the new order—that recently erected by the Millom & Askam Company—has approached the output of 300 tons per day, or at the rate of over 2,000 tons a week, against the hitherto general average of 800 tons per week, more or less, of furnaces using the same description of raw material. The reconstruction now being provided for by the Consett Iron Company, the Dowlais Iron Company, and Bolckow, Vaughan & Company—the largest concerns of their kind, and probably the most wealthy and influential in the United Kingdom—points to the conclusion that they have each and all satisfied themselves that this way safety lies—that they have discarded the old heresies as to the old system of having many furnaces in the place of a few, for the production of a given output, that were formerly inculcated at the meetings of the Iron and Steel Institute, and elsewhere, and have concluded that the "short life and the merry one" of the large-capacity furnace is the proper thing, after all. We hope shortly to be able to publish particulars of the new plants arranged for by these important firms. Meantime, we can but note that they will be on what are commonly known as American lines, with the typical American bosh, large blowing power, and mechanical arrangements suited to the conditions involved in handling an enormous volume of raw materials in a given period of time. We do not anticipate, of course, that the output of the new plants will ever reach the remarkably high levels of American records. It is not to be expected that British blast furnaces, using ores that range from 45 to 48 per cent. of iron, can ever be expected to reach the 700 tons per day, and upwards, which have been got from American furnaces using ores that assay 60 to 65 per cent. of iron in the dry state. But we do not doubt that furnaces can be, and will be, constructed in Great Britain that are able to produce from ores probably averaging about 47 per cent., quite 400 tons of pig per day, which is more than three times the average daily output of the present time; and we shall be surprised if the ambition of British ironmasters, and the guarantees given by their American advisers, stop much short of this record, while it is quite probable that it may be exceeded.

What, then, will be the relative competitive position of works that are content to go on "dragging their weary length along" with furnaces that produce 800 to 900 tons per week with hematite ores, and 450 to 650 tons per week with other ores? Will it not be found that the new furnaces are stronger to hold their own, in fair weather or in foul, than the older type? That is the problem that many of our leading furnace owners are anxiously seeking to solve at the moment. For these new furnaces involve a capital expenditure to which British ironmasters have hitherto been unaccustomed. The Millom Company's new furnace has cost that concern upwards of £65,000, whereas it has hitherto been considered that an expenditure of £30,000 per furnace was pretty liberal, and there are many furnaces now at work in Scotland and in the Midlands that have cost £20,000 per furnace, all elements of outlay included. One great question that the ironmasters are yet asking, and have been asking for many years past, is whether per unit of outlay the new furnaces will do any better than the old. Another is whether the new furnaces can reduce the labor cost at the furnaces much below its present figure at the best regulated plants of the older type? Both of these questions are likely before long to receive a much more definite and decisive reply than they have yet done in this country, where the only plants hitherto built with any pretensions to the adoption of American ideas are those of the Dowlais Iron Company, and one furnace at the Jarrow works of Palmer's Shipbuilding and Iron Company, both of which may now be regarded as getting obsolete from the American standpoint. It is clear, however, that whatever else may be in doubt the success of the new departure would be likely to mean the closing up, or the reconstruction, of many small plants that would find it difficult to compete under the new conditions. We would, therefore, strongly urge the owners of blast furnaces all over the United Kingdom to keep a watchful eye for the next few months on the movements and records of the firms we have named, and if the result of their policy should be—as it most likely will—to prove the necessity of a radical change, then to face the necessities of the situation with all the energy and enterprise that have made British industry what it has been, is still, and must remain in the future.

TESTING STRENGTH OF GLUE.

In making tests of the quality of glue, and the adhesive strength of joints made with the glue at different states of fluidity, a good test is to take two pieces of the wood being worked, 1x4 in. in size, and glue them together with a lap of 4 in. When "set" and dry, stand the block on end, and try to break the joint by striking with a heavy hammer, says The Wood-Worker. The fracture produced will determine if it is the glue or the wood that has let go, and will give a fairly correct idea of the strength of the glue used.

A by-law is to be submitted to the ratepayers to raise $100,000 for a waterworks and sewerage system at Edmonton, N.W.T.



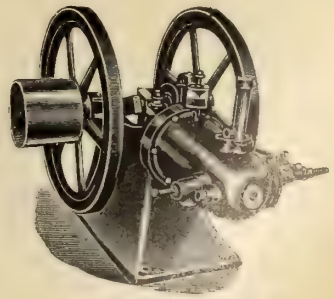
TAKEN FROM PHOTO OF 4 H. P. (Patented)

WHY

The **TUERK ENGINE** is the **best Gas** and **Gasoline Engine Made.**

WRITE FOR PARTICULARS.

Tell us what you wish to run, then we will inform you how you can run your machinery economically and get the best at ordinary prices, and on easy terms.



FROM PHOTO OF 3 H. P. (Patented)

Tuerk Iron Works, - Berlin, Ont., Canada.

THE ADVERTISING ARENA.

Illustrated Advertising.

IT is pretty generally conceded that illustrations are essential to the business of advertising, remarks an exchange. An illustration when used in accordance with the meaning of the word conveys an idea to the mind of the prospective purchaser much quicker than would a simple type argument But the trouble with much of our illustrated advertising of the present time is that it does not illustrate.

The meaning of the word "illustrate" is to make plain—to simplify, and unless the illustration embodies this meaning, it would be far better for the advertiser to depend altogether on plain type.

The main purpose of the illustration is to convince the reader that the article offered possesses merit. This is the main purpose. However, there are advertisers who think that pictures are used solely to attract attention, and believing this, they write their copy to fit the picture, whereas the picture should always be made to illustrate the copy. The copy is of primary importance. The picture is always secondary.

The best illustration is a picture of the article advertised. A man may be in need of a pair of shoes, and yet, when he picks up his paper to read the news, it's quite probable that he does not think of shoes at all. However, in reading the paper his attention is attracted by the picture of a shoe, which instantly brings to his mind the fact that he is in need of shoes, and as a consequence he reads the ad. and perhaps buys.

The text of the ad. and the illustration should have a close connection. It's quite impossible to do full justice to one's advertising when the cut used bears no relation whatever to the text. The illustration and the text should be very similar. The text should describe the article. The illustration should picture the description.

In the way of illustrations of the articles advertised the department stores are the most striking examples of the practice, but they are by no means as unique in this particular as they were.



A retail hardwareman who has for sometime been paying a good deal of attention to this kind of advertising is Russill, whose place of business is near the St. Lawrence market, Toronto. His advertisements appear in one of the evening papers, and Mr. Russill has found the results satisfactory. He gives time and thought to the preparation of his advertisements, and men with ideas who do this usually succeed. The accompanying cut is a reproduction of one of Mr. Russill's reduced one-half its original size.

The Advertisement as an Investment.

The advertiser who considers his money spent in advertising as an investment, usually succeeds in making it pay, because he treats this expense as an investment, conservatively and shrewdly, remarks The Mail Order Journal. He does not expect that every dollar spent in printers' ink will bring him back two, by the time the ink on the paper becomes dry. He is satisfied if at the end of the year a certain amount spent in advertising has increased the business over a year ago by 20 per cent., while if he has been so fortunate as to double his business, then he congratulates himself upon his good fortune. Among the successful advertisers to-day there are to be found few who have reached this point by a chance gamble in advertising. They have slowly climbed the ladder of success, round by round, by conservative advertising and increasing this investment each year, proportionately, as the investment has made their business grow.

A Retailer's Advertising Scheme.

Humphries' hardware store was established at Parkhill, Ont., in 1884, and is "still here in 1902." These facts are stated in the first number of the first volume of "Humphries' Hardware News: An Aid to Profitable Buying," which has been issued under date of March 1. On page 2 "The Man in The Sun" has something to say regarding mixed paints. The rest of the paper is taken up with advertisements and illustrations of the various lines of goods offered to the trade, all the way from axehandles and pig rings up to cream separators, bicycles and stoves. This is a unique way of advertising, and ought to bring good results.

Keep Right On.

The first few advertisements may not bring many inquiries, says an exchange, but, like the foundations of a building, they are fulfilling their purpose, even if they don't make much of a showing. Keep right on building and you will have an edifice of more or less value, according to the building done. Keep right on advertising. Don't be discouraged because the foundations don't show up very much compared to what you expect the ultimate result to be. If the advertising is well done and in the right medium you are just as sure of having a well-built business as the builder is sure of having his house completed when the necessary expense and work are put into it.

Don't Be Unduly Strenuous.

While there is no particular virtue in writing an advertisement on a milk-and-water plan, neither is there anything gained by giving it so much enthusiasm that it will fairly consume itself, says an exchange. Folks rather like to supply some of the information themselves. It is human nature for the average reader to give a fact, plainly put, a coating of extra strength in his own mind. When a man reads an advertisement that strains and does its level best to convince him, that man generally takes it with a pinch of salt, He would not be human if he were otherwise. But, if the advertisement is laid along dispassionate lines, giving its arguments calmly and truthfully, without undue agitation, the reader does not feel called upon to argue against it, because the feeling does not lay hold of him that that advertisement is working to win him over in spite of himself.

WINDOW GLASS—TO IMPORT.

Prompt Deliveries

EVERY KIND OF PLATE AND WINDOW GLASS IN STOCK.

BENT GLASS of all kinds, our own manufacture. **Closest Prices.**

TORONTO PLATE GLASS IMPORTING CO.,

Hill & Rutherford

Warerooms and Offices—135 to 143 Victoria St.
Bending Works—209 to 213 Victoria St.

TORONTO

Use Syracuse Babbitt Metal

IT IS THE BEST MADE.



For Paper and Pulp Mills, Saw and Wood Working Machinery, Cotton and Silk Mills, Dynamos, Marine Engines, and all kinds of Machinery Bearings.

Wire, Triangular and Bar Solder, Pig Tin, Lead, Ingot Copper, Ingot Brass, Antimony, Aluminum, Bismuth, Zinc Spelter, Phosphor Tin, Phosphor Bronze, Nickle, etc., always in stock.

CANADIAN WORKS, MONTREAL, P.Q.
AMERICAN " SYRACUSE, N.Y.

Syracuse Smelting Works



"Plymouth" Twine

That name stands for everything that is good in **BINDER TWINE.** It is the acknowledged standard of **perfection.**



It pays to buy the best.

In soliciting your business for the season of 1902 we would again draw your attention to the high position attained by the "Plymouth" Binder Twine.

As the Plymouth Co. exercise great care in the selection of fibre, and use none but the best, their brands of twine are **unexcelled for quality, length, evenness and strength.**

It is manufactured under a most thorough system of inspection and by the best machinery in **the world.**

Every ball of their Twine guaranteed to be just what we say it is.

PLYMOUTH BINDER TWINE AGENCY

Aberdeen Chambers, Toronto, Canada.

AN UP-TO-DATE BUILDING.

IN JUNE, 1898, The Fairbanks Company, of New York, decided to open a branch house in Montreal to handle their Canadian trade. Mr. Henry J. Fuller was appointed manager of the Canadian business. This gentleman was ably fitted to fill this position, having been assistant superintendent of the scale works in St. Johnsbury, afterwards connected with the Albany house, and finally holding a responsible position in the New York office.

They opened a warehouse in Montreal at 749 Craig street, four flats and a basement. In 1900, these premises proving insufficient for the large stock, a larger warehouse on St. Peter street was taken to be used as a scale warehouse and repair shop. Again, in January, more room was required, and a large warehouse next to the Craig street place was secured. The two buildings were turned into one, and to-day make one of the finest and most roomy supply houses in Canada. The accompanying illustration shows the premises as they are to-day. The lower floor is occupied by the showrooms, general offices, and the manager's office; the fittings in each being most modern and handsome, antique oak, plate glass and wrought iron playing a prominent part in the fixtures.



The other floors are given up to scales of every description, trucks and barrows. The valves, pipes and fittings occupy two entire floors.

This enlargement gives something over 24,000 square feet of floor space.

The large stock of iron pipe is stored in separate sheds, apart from the main buildings.

The showrooms are most complete, showing a full selection of the large and varied line carried by this company. We can safely promise the trade a warm welcome if they drop into The Fairbanks new quarters any time they may be in Montreal.

EMERY STONE IN GREECE AND TURKEY.

THE Island of Naxos, embraced in the Greek Archipelago, is situated about 100 miles southeast of the Piræus. Its inhabitants are supported almost entirely by working the emery mines, of which there are two. The Greek Government is the owner and proprietor of these mines, but they are worked exclusively by the natives of the island. The Government, according to an United States consular report, has entire charge of the sale of the ore and buys the crude product from the Naxos miners at 2½ francs (48 cents) per cwt. of 112 lb. The ore is transported to the neighboring Island of Syra at Government expense, and is there sold on the wharf at 106½ francs ($20.55) per French ton of 1,000 kilograms (2,204.6 lb). Two years ago an American company attempted to secure a monopoly of the industry and made an offer to the Greek Government to buy 7,000 tons per year for 10 years at 106½ francs ($20.55) per ton, but for some reason the arrangement fell through. The total annual consumption of Naxos emery is from 5,000 to 6,500 tons. Of this, the United States takes 1,500 to 2,000 tons, and Europe from 4,000 to 5,000 tons. The Naxos mines have never been leased.

Turkey has many emery mines scattered along the coast of the Mediterranean and nearby islands. Those of importance in the neighborhood of Smyrna are at Baltizik, Azizieh, Cosbounar, and Kuluk. Some of the Turkish mines are the property of the Turkish Government, but many of them are owned and operated by local companies and by single individuals. The total annual exports of Smyrna emery stone range from 17,000 to 20,000 tons, of which 10,000 tons go to America and the balance to Europe. The corundum found in the Turkish emery stone varies from 40 to 57 per cent., with the exception of Kuluk stone, which is said to contain about 37 per cent. Corundum in the Naxos stone is reputed to run as high as 60 per cent. The prices of Smyrna stone vary with the quality from $14 to $20 per ton f. o. b. Smyrna I am creditably informed that no emery can be produced f. o. b. Smyrna for less than $12.50. The Kuluk stone is shipped from the port of Kuluk, and is brought down from the neighboring mountains by camels. This stone is quoted f. o. b. Kuluk at $10 to $12 per ton. Turkish stone is not "treated" after leaving the mine, except by hand picking; it is never washed or crushed.

KILLS 75,000 ELEPHANTS YEARLY.

Antwerp has within the past 14 years developed into the most important ivory market in the world. A few years ago only 12 tons of ivory were imported into Antwerp from the Congo Free State, but to-day the trade has grown so greatly that over 200 tons are yearly disposed of in the ivory market.

About one-half of this comes from East and West Africa, in nearly equal proportions, the rest being divided between South Africa, Egypt, India, and the fossil ivory, which comes from Siberia, the tusks of extinct mammoths.

This increase in supply has not prevented a still larger increase in prices, and at the last Antwerp sale teeth which were valued at £30 per cwt. brought £54, an increase of about one-half; and all grades rose correspondingly.

A famine price for ivory is tolerably certain before long. The present supply destroys from 30,000 to 40,000 elephants in Central Africa, and about 75,000 the world over.—Answers.

INCORRECT ADDRESSES.

Amongst the signatures to the Imperial Varnish and Color Co.'s testimonial on page 65 of this issue, there are a few incorrect addresses to which attention should be drawn. Thomas Beattie is a well-known merchant in Norwich, Ont., not Napanee. G. A. Binns does business in Newmarket and not in Norwich, while William Clark and Madole & Wilson are in Navan and Napanee, respectively.

American Steel & Wire Co.

New York: Empire Building. Montreal: New York Life Building. Chicago: The Rookery.

BARB WIRE. GALVANIZED PLAIN WIRE.
PLAIN TWIST CABLE FENCING.

Telegraph and Telephone Wire, Mattress, Broom, Weaving Wires of every description, Rail Bonds, Bale Ties, Special Wires for all purposes. Springs, Horse Shoes, Wire Rope, Cold Drawn Steel Shafting.

PILKINGTON BROS., Limited

MANUFACTURERS OF

Polished Plate and Window Glass

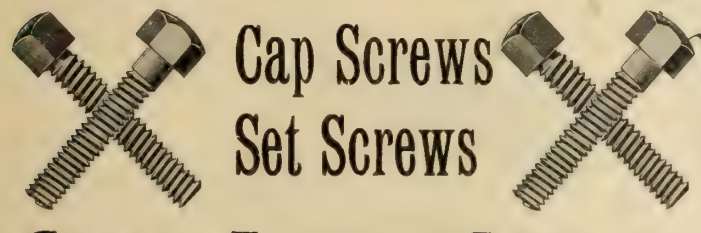
PLAIN and BEVELLED MIRROR PLATES

PATENT WIRED ROLLED, Etc., Etc.

We would call special attention to our Prismatic Rolled Glass which is used for projecting the light to the back of dark rooms and other badly-lighted places.

WORKS: { ST. HELENS, ENGLAND / MAUBEUGE, FRANCE

CANADIAN DEPOTS: { BUSBY LANE, MONTREAL / MERCER ST., TORONTO



Cap Screws
Set Screws

CANADA FOUNDRY COMPANY.
LIMITED.

MACHINE SCREW DEPARTMENT

HEAD OFFICE: TORONTO, ONT.

DISTRICT OFFICES:

MONTREAL, HALIFAX, WINNIPEG, VANCOUVER, OTTAWA, ROSSLAND, B.C.

MANUFACTURERS OF

Machine Screws,
Studs, Coupling Bolts,
Special Milled Work, etc.

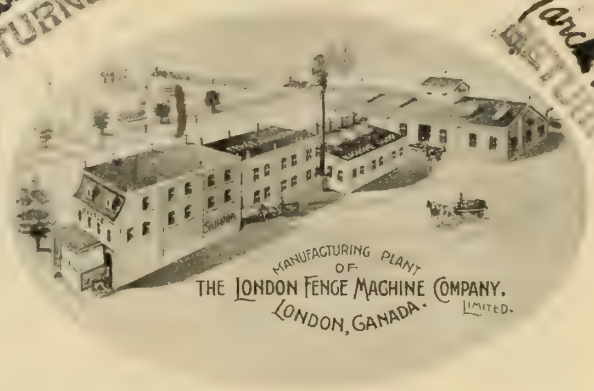
SEND FOR PRICE LIST NO. 1001



COLD PRESSED
Square and Hexagon
NUTS



March 29 RETURNED



We are makers of the famous

LONDON FENCE MACHINES

SAFETY PULLEYS--For stretching coiled wire and for general hoisting purposes.

WIRE GRIPS.

WIRE REELS--For fencing purposes.

Steel Gates--all sizes.

Coiled Steel Spring Fence Wire

Send a card for our new Spring Catalogue, and we will quote you prices which will merit your orders.

The London Fence Machine Company, Limited, London, Canada

AGAIN RUNNING FULL BLAST.

IF any have become possessed of the idea that the Menzie Manufacturing Co.'s business is at a standstill by reason of the recent disastrous fire, which wiped out their big factory, let them go out to what was formerly their warehouse and there they will find a factory running full blast. Then let them go up to the corner of Hayter and Teraulay streets, Toronto, where they will see the factory formerly occupied by the Cobban Company equally busy turning out goods for the Menzie Manufacturing Co. The warerooms will in future be in the big four-storey and basement building at 61 and 63 Front street west, formerly occupied by the Gutta Percha and Rubber Co. This is a permanent move. The offices will also be moved there in a few days from Bay street.

The occupation of the Front street building for warerooms will be advantageous in many ways, especially to the firm's customers. The company is reaching out more than ever for business, and is getting it, too. After the fire, not only were all the travelling salesmen kept on their routes, but all who were in the city were at once sent out, and the business is going on without interruption. Eight days after the fire manfacturing was being carried on as usual. As may be imagined, this entailed a stupendous amount of work, and only serves to show the resources and energy of this concern.

The factory at the corner of Hayter and Teraulay streets is turning out art furniture, woodenware, etc., while the manufacture of cloth is going on at the other factory. This arrangement will continue until the completion of the new factory, which will occupy the site of the burned building.

The new factory will be larger and in every way superior to the old one. There will be an additional floor space of 25,000 ft., bringing the total up to 85,000 ft., or about two acres, covering more space than any two blocks in the city.

The foregoing will serve to show that even a fire of the proportions of that of several weeks ago cannot check a business so strongly organized and well conducted as that of the Menzie Manufacturing Company. It is a concern which this city may well pride itself upon being able to claim amongst its various industrial concerns.

THE DEATH OF MRS. BIRKETT.

After a long illness, Mrs. Birkett, wife of Thomas Birkett, M.P., of Thomas Birkett & Son Co., Limited, wholesale and retail hardware merchants, Ottawa, died on Thursday, March 13. Owing to her illness, the deceased's death was not unexpected. Besides her husband, Mrs. Birkett leaves two sons, Dr. F. W. Birkett and T. M. Birkett, all of whom live in Ottawa. HARDWARE AND METAL extends its sympathy to the mourners.

POUND FOR POUND

THE IVER JOHNSON TRUSS FRAME

Is stronger than any Diamond frame ever made. That's why we can build it light.

It is a roadster at 21 lbs., and a racer at 20.

Agents report that it is their "Star Attraction."

Be up-to-date, and ride an Iver Johnson Truss Frame.



"Honest Cycles at Honest Prices."

(FRAME PATENTED.)

IVER JOHNSON'S ARMS & CYCLE WORKS,

FITCHBURG, MASS., U.S.A.

New York Salesroom—
99 Chambers Street.

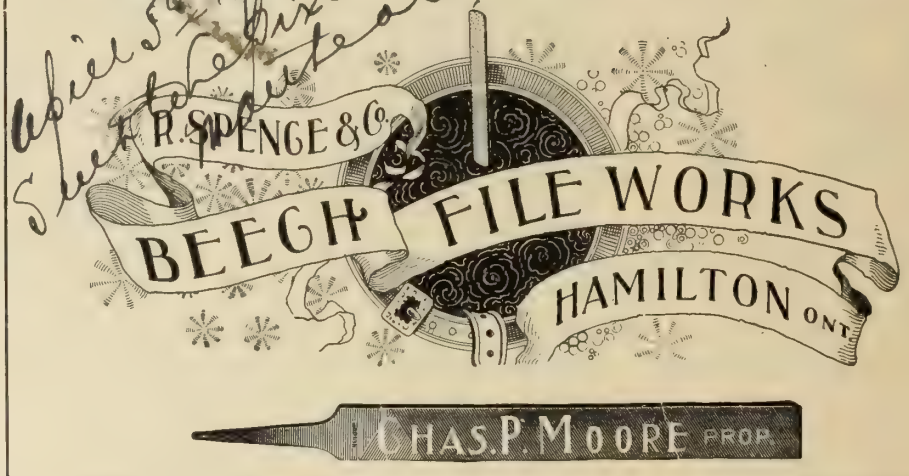
FILES. RASPS.

WE ARE NOT IN THE TRUST.

Quality of our goods guaranteed and our discounts very liberal. A trial order solicited. Write for discounts.

99 Niagara St., TORONTO FILE CO.

CANADIAN GOODS FOR CANADIANS.





MURALO

is a Cold Water Wall Finish, as far ahead of the old-fashioned wall finishes as paint is ahead of whitewash. **MURALO** is a distinctive preparation of its own. Don't conflict it with old wall finishes you have known before. **MURALO** has the largest sale in the world, because every painter, every amateur, who has tried it, knows it to be the best Cold Water Wall Finish. There's money in it for the dealer.

Agents:

A. RAMSAY & SON, - - - MONTREAL
J. H. ASHDOWN, - - - WINNIPEG
McLENNAN, McFEELY & CO., - VANCOUVER

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS AND COMPROMISES.

R. G. TATLOW is the official liquidator of the Athabasca Gold Mines, Limited, New Westminster, B.C.

PARTNERSHIPS FORMED AND DISSOLVED.

J. Roy, Fils & Cie, tinsmiths, etc., Montreal, have dissolved.

Stratton & Borthwick, blacksmiths, Brockville, Ont., have dissolved.

Trudel & Moore, wood and coal merchants, Montreal, have dissolved.

Bull & Dunlop, furniture and implement agents, Yorkton, N.W.T., have dissolved.

SALES MADE AND PENDING.

T. McCrum, gunsmith, Brockville, Ont., is offering his business for sale.

Wm. E. Gammon, carriagemaker, Ayr, Ont., is advertising his business for sale.

Irwin J. Higgins, blacksmith, Hartford, Ont., is advertising his business for sale.

Richardson & Easson, blacksmiths, Winchelsea, Ont., are advertising their business for sale.

CHANGES.

A. Binette & Cie, tinsmiths, etc., Lachine, Que., have registered.

Neault & Comeau, carriagemakers, St. Thecle, Que., have registered.

Samuel McCormack, blacksmith, Oxford, N.S., has removed to Sydney.

E. Riehm, harnessmaker, Fordwich, Ont., has sold out to L. Crist.

C. A. Macdonald, harnessmaker, Elkhorn, Man., is out of business.

St. Arnaud Freres, hardware merchants, Montreal, have sold out to I. A. Lambert.

John Swallow, dealer in hides, etc., Woodham, Ont., is removing to St. Marys

J. W. Austen, hardware merchant, Halifax, will be succeeded on May 3 by A. S. Austen.

Archibald McNab, agricultural implement agent, Alexander, Man., has sold out to C. P. Lewis.

J. H. Patry, hardware merchant, Quebec, has sold out his stock at 50c. on the dollar to H. O. Martineau.

J. B. Nicholson, agricultural implement agent, Gilbert Plains, Man., has sold out to W. B. Nicholson.

James McNaughton & Co., hardware and lumber merchants, Dunrae, Man., are succeeded by J. H. Dunlop & Co.

FIRES.

The Carberry Acetylene Gas Co., Carberry, Man., were burned out.

SKATES IN ENGLAND.

Opportunities for skating being much more frequent in Holland than in England, writes "Vulcan" in Ironmonger, it is not surprising to be told that blade-skates were introduced into this country from the Netherlands. Evelyn, in his diary, under date December 1, 1662, mentions that "divers gentlemen performed before their Majesties on the new canal in St. James' Park with 'scheets' after the manner of the Hollanders." Twenty years previously, however, a skating-club had been started in Edinburgh, so that even in this small matter the progressive Scot seems to have shown the way to the less adventurous Southron.

HOW TO MAKE FOOT-WARMERS.

Notwithstanding the advances made in the method of heating buildings from the time of Benjamin Franklin's open stove, the foot-warmers of his day are still in demand by those who have occasion to drive teams during the severe winter weather. Having seen a suggestion in The Metal Worker a few years ago that a tin vessel, arranged with a can screw for filling and emptying, and of a suitable shape to be used in a wagon, could still be sold by the enterprising tinsmith as a foot-warmer, I decided to make up some of these articles last fall, and am pleased to report that they have met with a good sale. Hot water for filling them can be had not only at the start of the journey, but, in case of necessity, at any house along the road, and if the foot-warmer is made to hold a sufficient quantity, and is wrapped up in a blanket, the heat given off will add substantially to the comfort of the driver for a long time. I have made these foot-warmers of one and two cross tin, according to their size, and in size 10 in. wide on the bottom, and from 14 in. to 2 ft. long. I formed them slanting on the top, so that they would be 1½ in. high on the front, and as much as 5 in. on the back. I was careful to secure large can screws, so that they could be readily filled from a teakettle. In the larger and longer sizes I soldered braces on the inside before putting on the ends, which were double seamed on. — B. Woods in Metal Worker.

Special Notice to Advertisers.

ON account of Friday, March 28th, being a Statutory Holiday, HARDWARE AND METAL will be issued one day earlier than usual. Will advertisers kindly note that all advertising copy, instructions for change of matter, etc., must reach us on

TUESDAY, MARCH 25th,

in order to take effect?

THE PUBLISHERS.

THE TRADE JOURNAL.

Individuality in journalism has attained its most surprising results in trade papers. People are seeking more technical information, and while they skim hurriedly over the great dailies for the news of the world, they study the technical paper for more vital references to their own immediate business and concerns.—Charles H. Bergstresser, Wall Street Journal.

DECORATION IN METALS.

"One of the most noticeable tendencies in interior decoration just now," said an architect to the representative of an exchange, "is to introduce the metals, especially copper, to take the place of wood and plaster. Closets, doors, panels, jambs between ranges of small windows, ceilings and cornices are more and more being made of copper and compositions in which copper is used, and, with the constantly-increasing means of cheap production and working of metals, this practice is likely to extend still further.

"Frequently, now, metal is being used as the outer casing for woodwork, and the the result is both original and highly decorative. Besides this, the metals are used in grills in and about fireplaces and in moldings to enclose marble and tile linings.

"The extension of the electric light first created a demand for light hand-wrought fittings in metal, and from that the use of that material extended quickly to fire screens, stands, trays, flower and lamp standards, and to all the hundred-and-one small objects that crowd the modern drawing-room. From these to the room itself was an easy transition.

"But the demand that everything about a modern high-class dwelling shall be fireproof is a factor which has helped to push metalwork along to take the place of wood. The time is coming when the use of the latter will be reduced to a minimum in a fine house."

HE WANTED A DOG'S MUZZLE.

"I want to get a muzzle," said the crabbed man, entering a hardware store.

"Like this one, sir?" said the clerk, exhibiting a certain pattern.

"Oh, my, no! That would hold the mouth too tightly shut."

"I just sold one of them to a woman, sir."

"Well, it would be all right for a woman, young man; but I want mine for a dog."

"WHAT'S IN A NAME?"

"I believe that I may say that I was the first person to employ a chemist in connection with a blast furnace. He had to be made in Germany, too. We paid him the enormous sum of $1,500 a year. Our competitor firm ridiculed our chemist. But we got a rich revenge. For one thing, there was the matter of ore. Ore was classified by name. If you have got a good name you can do almost anything and nobody will suspect you. Young men, bear that in mind. If you are in the hat business, for instance, and your hat has got a good name you can charge a dollar for the hat and a dollar for the name."—Andrew Carnegie.

Remember that advertising will accomplish wonders, but it won't create a continuous demand for a poor article.—Salt Lake Tribune.

MANITOBA MARKETS.

Winnipeg, March 17.

THE week has witnessed very active trade in almost all lines of hardware and all the jobbing houses are very busy getting out spring shipments.

The only change in hardware prices has been the advance on harvest tools. The discount is now 60, 10 and 10 per cent., as against 70 per cent. Higher prices are looked for in metals in the near future.

Price list for the week is as follows :

Barbed wire, 100 lb	$3 30
Plain twist	3 40
Staples	3 95
Oiled annealed wire No. 10	3 85
" 11	3 90
" 12	3 95
" 13	4 10
" 14	4 25
" 15	4 35
Galvanized wire, 6 to 8 gauge	4 00
" 9 "	3 50
" 10 "	4 05
" 11 "	4 20
" 12 "	3 65
" 13 "	3 75
" 14 "	4 45
" 15 "	4 60
" 16 "	4 75
Wire nails, 30 to 60 dy, keg	3 25
" 16 and 20	3 35
" 10	3 35
" 8	3 45
" 6	3 50
" 4	3 65
" 3	3 90
Coil chain, 3-16 inch	10½
" ¼ inch	8¾
" 5-16 inch	5½
" ⅜ inch	5¼
" 7-16 inch	5
" ½ to ¾ inch	4¾
Cut nails, 30 to 60 dy	3 05
" 20 to 40	3 10
" 10 to 16	3 15
" 8	3 20
" 6	3 25
" 4	3 35
" 3	3 70
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to No 1	4 65
No. 2 and larger	4 40
Snow shoes, No. 0 to No. 1	4 90
No. 2 and larger	4 40
Steel, No. 0 to No. 1	4 95
No. 2 and larger	4 70
Bar iron, $2.70 basis.	
Swedish iron, $5.00 basis.	
Sleigh shoe steel	3 25
Spring steel	3 25
Machinery steel	3 75
Tool steel, Black Diamond, 100 lb	8 50
Jessop	13 00
Sheet iron, black, 10 to 20 gauge, 100 lb.	3 50
20 to 26 gauge	3 75
28 gauge	4 00
Galvanized American, 16 gauge	2 79
18 to 22 gauge	4 75
24 gauge	5 00
26 gauge	5 25
28 gauge	5 50
Genuine Russian, lb	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 75
26 gauge	8 00
28 gauge	8 50
Tinplate, IC charcoal, 20 x 28, box	11 00
" IX "	13 00
" IXX "	15 00
Ingot tin	33
Canada plate, 18 x 21 and 18 x 24	3 75
Sheet zinc, cask lots, 100 lb	7 00
Broken lots	7 50
Pig lead, 100 lb	6 00
Wrought pipe, black up to 2 inch	50 and 10 p.c.
" Over 2 inch	50 p.c.
Rope, sisal, 7-16 and larger	$13 50
" ⅜	14 00
" ¼ and 5-16	14 25
Manila, 7-16 and larger	17 00
" ⅜	17 50
" ¼ and 5-16	18 00
Solder	18
Cotton Rope, all sizes, lb	17
Axes, chopping	$7 50 to 12 00
" double bitts	12 00 to 18 00
Screws, flat head, iron, bright	87½
Round " "	82½
Flat " brass	80
Round " "	75
Coach	57½ p.c.
Bolts, carriage	50 p.c.
Machine	50 p.c.
Tire	60 p.c.
Sleigh shoe	65 p.c.
Plough	40 p.c.
Rivets, iron	50 p.c.
Copper, No. 8	26
" No. 12	30
Bluestone, cask lots	$5 50
Spades and shovels	40 p.c.
Harvest tools	60, 10 and 10 p.c.
Axe handles, turned, s. g. hickory, doz.	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 75
No. 1	1 25
Files common	70, and 10 p.c.
Diamond	60
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	30 p.c.
" military	15 p.c.
American R.F.	30 p.c.
C.F. pistol	5 p.c.
C.F. military	10 p.c. advance.
Loaded shells :	
Eley's soft, 12 gauge black	16 50
chilled, 12 gauge	18 00
soft, 10 gauge	21 00
chilled, 10 gauge	23 00
Shot, Ordinary, per 100 lb	6 25
Chilled	6 75
Powder, F.F., keg	4 75
F.F.G.	5 00
Tinware, pressed, retinned	75 and 2½ p.c.
" " plain	70 and 15 p.c.
Graniteware, according to quality	50 p.c.

PETROLEUM.

Water white American	25½ c.
Prime white American	24c.
Water white Canadian	22c.
Prime white Canadian	21c.

BINDER TWINE.

Sisal and Standard f.o.b. Winnipeg	$ 11⅝
Manila, 550 feet	12⅞
Manila, 600 feet	14⅛
Pure Manila	15⅝

Five-ton lots ½c. less per lb., and carlots ¼c. less.

SCRAP.

No. 1 cast iron	$13 to $14 per ton
No. 2 "	5 to 6 "
Wrought iron scrap	5 "
Copper (heavy)	7c. per lb.
Yellow brass (heavy)	8c. "
Light brass	5c. to 6c. "
Lead pipe, or tea lead	2c. to 2½c. "
Zinc scrap	1c. "

PAINTS, OILS AND GLASS.

Turpentine, pure, in barrels	$ 73
Less than barrel lots	70
Linseed oil, raw	88
Boiled	91
Lubricating oils, Eldorado castor	29½
Eldorado engine	28½
Atlantic red	29½
Renown engine	41
Black oil	20
Cylinder oil (according to grade)	55 to 74
Harness oil	65
Neatsfoot oil	90
Steam refined oil	85
Sperm oil	2 00
Pure castor oil, East India	11
Lubricating	10
Glass, single glass, first break, 16 to 25 united inches	2 50
26 to 40 per 50 ft.	2 75
41 to 50 " 100 ft.	6 00
51 to 60 " " "	6 50
61 to 70 per 100-ft. boxes	7 00
Putty, in bladders, barrel lots per lb.	2½
kegs "	2¾
White lead, pure per cwt.	6 50
No. 1 "	6 00
Prepared paints, pure liquid colors, according to shade and color, per gal.	$1.30 to $1.9

WINDOW-GLASS MANUFACTURE IN JAPAN.

After some discussion in the Japanese Diet in regard to the promotion of window-glass manufacture in Japan, the Government has decided to establish at the industrial experiment station a model factory, or technical school, for training workers in window-glass manufacture. Japan, according to the United States Minister at Tokyo, affords the necessary materials for this industry and the cheap labor, but lacks the skilled artisans necessary to make it a success. All of the window glass now used in Japan is imported and the market is an increasing one, since it is used for buildings of both foreign and Japanese style. The importation of window glass in 1899 was valued at 1,250,000 yen ($625,000). Belgium furnishes the greater part of this import. It is estimated that a box of glass which now costs, imported, 7 to 10 yen ($3.49 to $4.98), would, if made in Japan, cost about 5½ yen ($2.75). It is expected that the factory, for which money will probably be appropriated at the next session of the Diet, will be working in a year, and in the course of two or three years will be able to supply enough skilled Japanese artisans to carry on the work in private factories. In the meantime, one or two Japanese have been sent to Germany to study the art; but it is probable that foreigners will be employed to teach methods, assist in the selection of machines, and in other arrangements for the plant.

VICTORY FOR THE S.W.P. TEAM.

An interesting hockey match took place in the Victoria rink, Montreal, on March 14 last between teams representing the Canada Paint Co. and the Sherwin-Williams Co. The game, which was well contested, resulted in a second victory for "S.W.P." by three goals to one. In view of the successful season their rivals have just closed, this win speaks well for the hockey club of the Sherwin-Williams Co.

INCANDESCENT GAS LIGHTS.

The United Incandescent Light Co., Toronto, manufacturers and dealers in incandescent light supplies of all descriptions, make a specialty of lighting churches They have just fitted out the schoolroom of the Westminster Presbyterian church, Bloor street east, Toronto. Among the other churches in Toronto which this company has fitted out with its "Gloria" light are the following: College street, Dovercourt Road, First Avenue, Baptist; St. Stephen's, St. Ann's, St. Luke's, St. John's, Church of the Epiphany, Anglican; Euclid Avenue, Methodist; Erskine, Bonar, Presbyterian; and Church of God.

Plumbers and hardwaremen in towns and cities where gas is used might find it to their advantage to place themselves in communication with the United Incandescent Light Co., 7 Yonge street arcade, Toronto.

BUY THE

BEST PAINTS

AND SAVE YOUR MONEY.

It is always cheaper to buy the best. It costs as much to apply a cheap as it does a good Paint.

"BEAVER" BRAND and "T. L. & C. CO." BRAND } PURE PREPARED PAINTS

MANUFACTURED BY

THE TORONTO LEAD & COLOR CO., Limited

TORONTO

ARE THE BEST.

For interior and exterior use. Most economical, because they cover the greatest surface. Cheapest, because they wear longest. Most satisfactory, because they look best.

EVERY TIN GUARANTEED.

Ask for our New Century Catalogue and Color Cards.

TELEPHONE: MAIN 2927 CABLE ADDRESS: "TIMA"

The

International Mercantile Agency of Toronto

JANES BUILDING . . .

begs to announce to the Manufacturers and Merchants of Canada that they have the most effective system for collecting past due and old accounts in Canada, United States and Europe, without using offensive methods to debtors. Our reputation has been established by doing business on business principles, and prompt remittances, and we will be pleased to refer prospective clients to the hundreds of patrons we are doing business with.

We will be pleased to quote our rates on application or send one of our representatives to call on you.

Correspondence Solicited

The

International Mercantile Agency

of Toronto

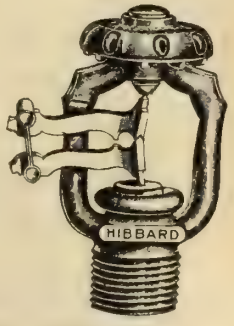
JOSEPH WRIGHT, President. WILSON PHILLIPS, Manager.

The General Fire Equipment Co., Limited.

AUTOMATIC SPRINKLER EQUIPMENTS

For Protection Against Fire.

The "Hibbard" Sprinkler Head. The "Niagara" Dry Valve. Wet Systems, Dry Systems. Fire Pumps, Hydrants, Etc.



The above appliances are accepted and approved by Canadian and American Insurance Companies, and where installed lowest rates are secured. A saving of from 30 to 70 per cent on insurance. Write or 'phone us for information or estimates.

Telephone Main 3820. 72 Queen St. E., Toronto.

BEAMS CHANNELS ANGLES PLATES

1,500 TONS FOR SALE

All of this material in lengths from 40 to 60 feet.
We can ship promptly, and should be pleased to receive your order.
Prices and stock lists on application.

STEEL FRAME BUILDINGS and ROOF TRUSSES.

Also Steel Bridges for Railways and Highways.

THE HAMILTON BRIDGE WORKS COMPANY LIMITED

Long Distance Telephone, Hamilton 630. HAMILTON, CANADA.

HENRY ROGERS, SONS & CO.,

SHEFFIELD, ENGLAND

Manufacturers of the celebrated

H R S &C°

BARB AND PLAIN GAL'D WIRE
TINPLATES
"ROGERS" COKES
"H. R. S. & CO.," CHARCOAL
CANADA PLATES
"H. R. S. & CO."

Canadian Office:

6 ST. SACRAMENT ST., MONTREAL

F. A. YORK, Manager.

WRIGHT'S Insect Sprayers



PLAIN TIN,
LACQUERED,
ALL BRASS.

"BEST ON EARTH."

Manufactured by

E. T. WRIGHT & CO.

HAMILTON, ONT., and
MONTREAL, QUE.

J. H. Hanson, Agent, Montreal.

KNOX HENRY

Heavy Hardware and Metal Broker
Room 32, Canada Life Bldg., MONTREAL.



Samples sent free on application.

HORSE NAILS—"C." Brand Horse - Nails
Canada Horse Nail Co.

"BRASSITE" GOODS — Gunn Castor Co.
Limited, Birmingham, Eng.

STANDARD TIN WORKS...

MANUFACTURERS OF

TINWARE AND TIN CANS

Fruit Cans, Meat Cans, Jacketed Oil Cans,
Baking Powder Cans, Lard Pails, Etc.

JAS. A. McGOLPIN

156-162 Duke Street, TORONTO

THE PROPRIETOR'S STORY.



ALABASTINE we have been selling nigh on to twenty years, and know it to be reliable.

We dealers also know that Alabastine is what is in demand, and that to sell anything else for coating walls, we would have to do so on the recommendation that it was the same thing, or just as good as **ALABASTINE.** Would not offer a substitute when Alabastine is called for; no necessity to do that, as it is easier to sell Alabastine, and in handling it we do not incur any risk on account of infringement of patents.

Alabastine is ready for use by the addition of Cold Water, made so by the inventor, Mr. M. B. Church, who was the first to produce a cold water preparation that is thoroughly practical, that has superseded all hot water mixtures, and forced other manufacturers to **UNDERTAKE** the use of the cold water process. Then, again, Alabastine is made in Canada, by Canadian labor and from Canadian materials. It satisfies my customers.

The trade supplied by Wholesale Hardware and Paint Dealers. Also by

THE ALABASTINE CO., LIMITED, PARIS, ONT.

STEVENS SINGLE BARREL SHOT GUN.

LATEST AND BEST SINGLE GUN ON THE MARKET.



MADE IN THREE STYLES THREE GAUGES UP-TO-DATE.

FINEST SINGLE GUN YET PRODUCED.

Our Goods are Handled by the Leading Jobbers.

J. Stevens Arms & Tool Co., P.O. Box 217 Chicopee Falls, Mass., U.S.A.

THE INDEPENDENT CORDAGE CO., Limited,

TORONTO.

Highest Award Pan-American Exposition

MANUFACTURERS OF ALL KINDS OF

SISAL MANILA **ROPE,** Lath Yarn, Shingle Yarn, Hide Cord, **BINDER TWINE** Pulp Cord, Clothes Lines.

Transmission Rope a specialty

H. & R. SINGLE GUN AUTOMATIC AND NON-EJECTING.

12 and 16 Gauges.
Steel and Twist Barrels.

Superior in Design, Workmanship and Finish, and the most popular Gun on the Market.

Simplest "Take Down" Gun Made.



HARRINGTON & RICHARDSON ARMS CO.
Also makers of H. & R. Revolvers,
Catalog on request. Worcester, Mass., U.S.A.

FRANK MILLER'S

HARNESS PREPARATIONS.

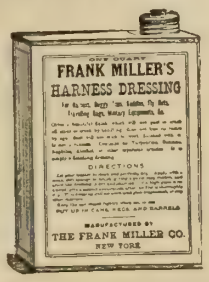
FRANK MILLER'S

HARNESS DRESSING

Recognized as

"THE STANDARD."

Produces a brilliant jet-black gloss which will not peel or smut and to which dirt will not stick.





Frank Miller's

Harness Soap

Unrivaled for cleaning and softening Harness. Put up in cakes, pans, boxes and tubs.

FRANK MILLER'S

Harness Oil.

Preserves and softens the leather, thus adding life.

The highest quality of oil on the market.



Buy the Best.

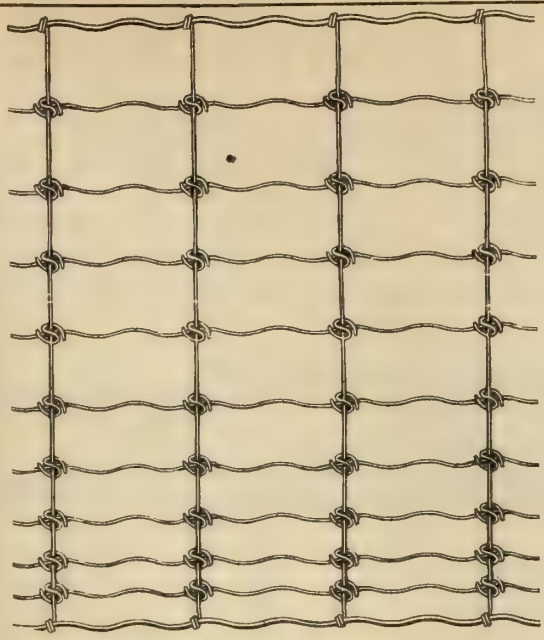


HERCULES

Sash Cord.

Star Brand Cotton Rope
Star Brand Cotton Clothes Lines
Star Brand Cotton Twine

For Sale by all Wholesale Dealers



A FENCE
THAT IS A FENCE.

A heavy stay in one piece. A perfect lock to hold. Complete in the roll. Made from hard spring wire throughout. Will stand up and do business where other styles fail.

WRITE:

McGregor, Banwell & Co'y, Windsor, Ont.



2, 3, and 4-in. Tin and Galvanized Conductor Elbows, for sale by all leading jobbing houses.

Made by GEO. ALLEN,
BURLINGTON, ONT.

FREE INSURANCE AGAINST FIRE

PLASBESTER

AGENTS WANTED IN EVERY TOWN.

the BEST ASBESTOS WALL PLASTER

Fire Proof
Frost "
Sound "
Will not crack.

DAVID PHILIP

Correspondence invited from manufacturers of Staple or Heavy Hardware, Iron or Steel, Bolts and Nuts, etc., either by carrying stock in Winnipeg or by selling direct from factory.

GOOD REFERENCES.

Manufacturers' Agent and Broker.

OFFICE: 362½ MAIN STREET **WINNIPEG, MAN.**

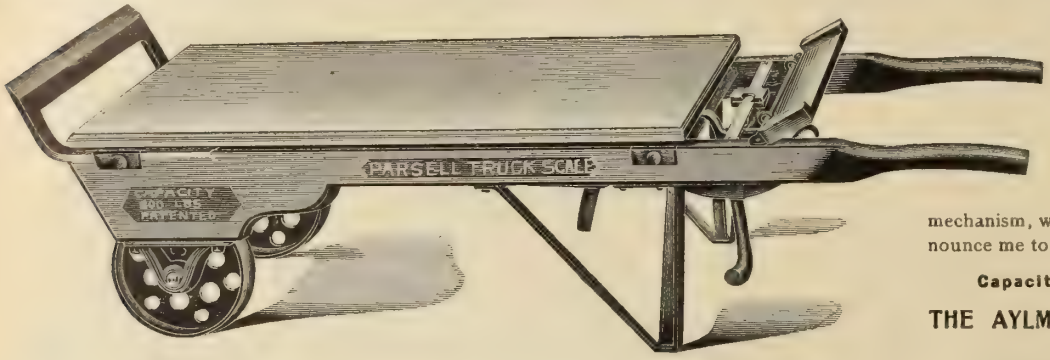
TOCKWOTTON COMPANY, Providence, R.I., U.S.A.

SOLID LEATHER
"ANCHOR" BRAND
PATENTED
RAILROAD & UPHOLSTERY
NAILS

MANUFACTURERS OF
Solid Leather Tufting Buttons and Furniture Nails,
Solid Leather Saddlery Nails, with Pliable Clout Nails,
Solid Leather Bottom Studs and Split Pins for Traveling Bags,
Solid Leather Buttons for Hunting Suits, and Other Specialties in Solid Leather.
SEND FOR SAMPLES

SOLID LEATHER
"GRIP-SHANK"
BUTTONS
For FURNITURE, Etc.

I AM THE PARCELL DROP LEVER TRUCK SCALE.



I HAVE no connection or relationship with any other Truck Scale. Do not condemn me because some other Truck Scale was not right, but give me a chance to prove to you that I am the most convenient scale made, and that I am perfectly correct and a first-class piece of mechanism, which I must be, as good inspectors pronounce me to be a first-class article.

Capacities: 800 lb., 1,200 lb., 1,600 lb.

THE AYLMER IRON WORKS CO., Limited
AYLMER, ONT.

WM. CROFT & SONS

Established 1855



HEADQUARTERS FOR

Fishing Tackle

Also FANCY GOODS,
NOTIONS, SMALLWARES,
NEEDLES.

DEALERS, Write for our 1902 Catalogue.

53 Bay St., Toronto



BRUSHES BRUSHES BRUSHES



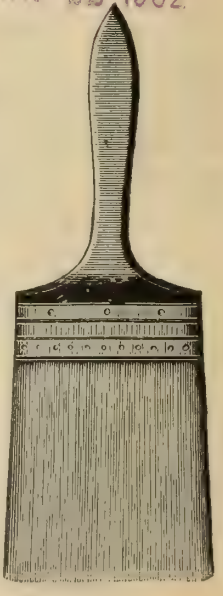
Brushes form an important part of all hardware stocks, and a good selection is necessary to ensure **SATISFACTION.**

We are now showing the largest range ever offered by any factory in Canada, and all our goods are **GUARANTEED.**

Our new price list shows that values are better than ever before. **IF YOU BUY** before comparing prices with us you are throwing away part of your profit. We handle **EVERYTHING IN THE WAY OF BRUSHES.** Our Corn Broom factory is the best equipped in Canada. When ready to buy do not fail to get prices and discounts from

MEAKINS & SONS
King and West Ave., HAMILTON.
74 Bay Street, TORONTO.

MEAKINS, SONS & CO.
59 St. Henry St.,
MONTREAL.



Note our new Montreal Address.



Our old premises got far too small for our increased business. We had to move.

BUSINESS FOR SALE.

HARDWARE BUSINESS, IN A GROWING town. Prosperous farming section. Good location and premises. Opening for plumbing in connection. Business established thirty years. Owner has other interests. Address, Box 74, HARDWARE AND METAL, Montreal or Toronto. (8-tf.)

THE LONDON SCALE WORKS

GEORGE M. FOX
(Successor to John Fox)

Manufacturer of Railroad, Hay and Platform Scales.

91 York Street, LONDON. ONT.

Stove Bricks in Variety.

We don't have to make a kiln and then burn it before filling your order. Prompt shipment is one of our mottoes. We have over 200 varieties of bricks, and all kinds of fire clay products, furnace cement, etc., always in stock. Catalogue upon application.

JONES BROS., Bracondale, P.O., Ont.

Canadian Wringer Co.

Manufacturers of the following

CLOTHES WRINGERS

Queen,	Eureka,
Royal Canadian,	New Eureka,
New Metropolitan,	Stone,
New Lightning,	Jubilee Ball Bearing
	Etc., Etc.

All our Rolls are of Solid White Rubber and Vulcanized to Shaft. . . . Send for Catalogue and Discounts.

16 SHEPPARD STREET, TORONTO.

TOOLS

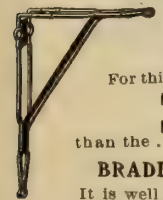
We make tools required by

Stone Workers, Cement Workers, Paving, Building, Sewer and Railroad Contractors.

Likewise Special Wrought Iron or Steel Work to drawings. Estimates promptly furnished for any quantity. You ought to know our advantages. Correspondence solicited.

W. H. ANDERSON & SONS,

Factory and Main Office— DETROIT, MICH.
Canadian Branch, with Eureka Planter Co., WINDSOR, ONT.



Will Hold Up a Shelf!

That's what a shelf bracket is for.

For this purpose there can be
NOTHING BETTER
NOTHING CHEAPER
than the . . . .

BRADLEY STEEL SHELF BRACKET

It is well **Japanned, Strong** and **Light**. The saving in freight is a good profit, aside from the **lower price** at which the goods are sold.

☞ Order direct or through your jobber.

ATLAS MFG. CO., New Haven, Conn., U.S.A.

Lace Leather

Send direct to us for the celebrated "NIAGARA" Brand Lace Leather, best produced in this country. Yellow and White in Sides or Cut Strings. Prices and Samples on application.

WOOD BROS.
Tanners of High-Class Leathers,
ST. CATHARINES, ONT.

You Want The Best PAINT

"You never know what is in a nut until you crack it."



We manufacture the following brands:

"Lion," "Owl,"
"Peerless," "Raven,"

. . Ready-Mixed House and Floor Paints . .

ROOF, BARN, BRIDGE and BRICK PAINTS. PURE COLORS IN OIL, COACH COLORS, WHITE LEAD, VARNISHES, SHELLAC, JAPAN.

Our Prices Will Interest You. Write for Quotations.

THE OTTAWA PAINT WORKS,
OTTAWA, ONT,

We manufacture everything in the line of



Mechanics' Edge Tools
Lumbermen's Tools
Miners' Tools
Carriage AND Wagon Springs and Gears.



JAMES WARNOCK & CO.

Write us for Catalogues. GALT, ONT.

The Nova Scotia Steel & Coal Company.

A Brief Sketch of a Great Enterprise.

IN the rapid development that is taking place in the iron and steel industry of Canada, the new enterprises are by no means absorbing all the attention. During the last 12 months or more the Nova Scotia Steel & Coal Co., Limited, has been very much in the public eye.

What is to-day known so well as the Nova Scotia Steel & Coal Co., Limited, had its origin 30 years ago in the Hope Iron Works, afterwards the Nova Scotia Forge Company The Hope Iron Works began business in New Glasgow in 1872 and employed less than a dozen workmen. The business of the company was the manufacture of railway and marine forgings, and the works were located in the centre of the town.

As the business continued to expand, it was found advisable, owing to the lack of water and the difficulty of securing room for the needed extensions, to remove the works to their present location. The change was made in 1878, and during the next few years considerable extension took place. The raw material used during the first 10 years consisted entirely of wrought and scrap iron. But a change was going on in steel production, and mild steel began largely to replace wrought iron for car axles and general forge work. This suggested the advisability of making steel from imported scrap steel and pig iron, and after a careful survey of the situation, the managers decided to embark in the new enterprise. The Nova Scotia Steel Company, Limited, was organized in April, 1882, with a capital of $160,000, for the purpose of manufacturing steel by the Siemens-Martin open-hearth process. Upwards of a year was spent in the construction of the works and the first steel ingots were cast in August, 1883. The original forge company became a large buyer of steel ingots and billets from the new concern, which was in turn dependent on the forge company for repairs, machine work, and the important parts of its general plant. The natural dependence and community of interests led to the amalgamation of the companies, which was accomplished in 1889, the joint enterprise being known as the Nova Scotia Steel and Forge Company, Limited.

It was not long before the amalgamated concern came to the conclusion that it was not advisable to be dependent on foreign producers for scrap steel and pig iron. There was an opening for a new enterprise in the substitution of pig iron for scrap steel as the basis of the raw material. The construction of blast furnaces for the production of pig iron on a sufficiently-large scale would involve the expenditure of $500,000, exclusive of mining properties and the operation of iron mines, and a section of the directorate was unwilling to assume the risk involved in undertaking so extensive a project. A new company was formed, known as The New Glasgow Iron, Coal and Railway Co., Limited, with an authorized capital of $1,000,000. This company acquired, by purchase and lease, control over sufficient iron deposits to warrant the establishment of a modern blast furnace of large capacity, and proceeded to build railway connections between the iron and lime deposits and the Intercolonial Railway at Ferrona, about six miles south of New Glasgow. The construction of the blast furnace and the coal-washing and coking plant was carried forward at the same time, and the whole was finished with a thoroughly modern equipment and ready for operation in 1892. The first blast was blown in on August 6 of that year, and the furnace and other plant were operated under the management of the new company until December, 1894.

The old amalgamated company was the chief consumer of the pig iron produced by the new company, and the obvious community of interests suggested the advisability of another consolidation. The change



Queen Pit, showing Coke Ovens of Nova Scotia Steel & Coal Company under construction at Sydney Mines, North Sydney, C.B.

BOECKH'S STANDARD BRUSHES

BRYAN'S LONDON BRUSHES

CANE'S NEWMARKET WOODENWARE

Hold the highest reputation in the Canadian market to-day. They are the sort that sell—the best materials put together by people who know how. Goods that give the widest margin of profit to the dealer and greatest amount of satisfaction to the purchaser, well illustrating the fact that quality is the true test of cheapness.

BRUSHES. Artists' Brushes; Painters', Varnishers' and Kalsominers' Brushes; Toilet Brushes; Household, Machinery and Factory Brushes; Horse and Carriage Brushes, etc. Ten thousand different sizes and styles—a brush for every known use and each one fully guaranteed.

BROOMS AND WHISKS. All corn for Boeckh's Brooms and Whisks is specially selected. Buying direct from the growers enables us to quote lowest market prices consistent with high-grade quality and best workmanship.

BOECKH'S BAMBOO-HANDLED BROOMS. Labor-Lighteners—none can equal them as trade-winners—they please those who want the best.

STABLE BROOMS. Bass, Extra Bass, Rattan, Cane, Split Cane, etc.—quality clear through—special brooms made to order for street sweepers, Breweries, etc.

FEATHER DUSTERS. Turkey Feather Dusters, Hemp Dusters, Wool Dusters, Barbers' Dusters, Hearth Dusters, etc.—a large variety and the best of each kind.

PAILS AND TUBS. Made from the best materials and stock obtainable—noted for their wonderful durability—a triumph of worthy goods and ready sellers.

WASHBOARDS. All the latest improved styles—best quality of zinc used—boards that will last and give satisfaction.

CLOTHES PINS. Loose or in 4 or 6 doz. packages—all selected, perfect pins—guaranteed full count—most value for least money.

SCREEN DOORS AND WINDOWS. Cane's Window and Door Screens have long proved their leadership as the most complete on the market.

BUTTERWARE. Barrel Churns, Ash-Dash Churns, Butter Dishes, Bowls, Paper, Spades, Ladles, Moulds, Prints, Stamps, etc.—a wide range that keeps to the front.

KITCHENWARE. Washers, Wringers, Self-wringing Mops, Bake Boards, Rolling Pins, Picnic Plates, Spoons, etc. Extra good values in this line—a wide variety.

STEP LADDERS. Made of clear Norway Pine—as light as consistent with safety and durability—the right kind to handle.

COCOA MATS. Extra Brush Edge, Skeleton, Fancy, Wool Border, Plain, Reversible, Rush and Corn Mats, etc. A peerless line of ready sellers. Special Mats made to order for Churches, Public Buildings, etc.

BASKETS. Butter Baskets, Market, Hampers, Clothes, Linen Hampers, Grocers' Delivery, Waste Paper, etc. Values that will answer every purpose.

CORDAGE and TWINE. Clothes Lines, Halters, Plough Lines, Ropes, Twines, etc. Goods that pay the manufacturer to make, the dealer to handle and the purchaser to ask for.

WRITE FOR OUR 1902 CATALOGUE. IT WILL PLEASE YOU.

UNITED FACTORIES, Limited

Head Office, TORONTO, ONT.

OPERATING

Boeckh's Toronto Factories,
Bryan's London Factories,
Cane's Newmarket Factories.

ESTABLISHED 1882

G. F. STEPHENS & CO.

INCORPORATED 1901

Manufacturers, Importers and Jobbers LIMITED

PAINTS, OILS, VARNISHES, BRUSHES, ETC.,

PLATE AND WINDOW GLASS

AND ALL PAINTERS' AND GLAZIERS' REQUISITES.
We carry the largest stock of these goods in Western Canada.

PROMPT SHIPMENT. CAREFUL ATTENTION. CLOSE PRICES.

174-176 Market Street WINNIPEG.

WIRE NAILS
TACKS
WIRE

Prompt Shipment

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

GALVANIZING

Our plant is modern, and capacity large.
Prices O.K. Other branches:
WINDMILLS, PUMPS, TANKS,
FOUNDRY WORK, ETC., ETC.
Ontario Wind Engine & Pump Co, Limited,
505 Atlantic Ave., Toronto.

THE C. G. YOUNG CO.
RUBBER STAMPS
AND SUPPLIES
No. 1 Adelaide Street East - Toronto

1,000 PRINTED ENVELOPES
For $1.00.



We do good printing cheap—500 Noteheads, 500 Envelopes and 500 Statements for $2.50.
Snaps in Stationery of all kinds.
WEESE & CO., Jobbers,
54 Yonge Street, - Toronto.

The Grey and Bruce Portland Cement Company of Shallow Lake, Limited,

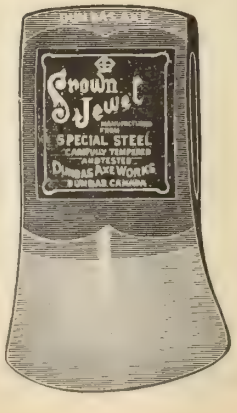
Manufacturers of
"HERCULES" BRAND OF
Portland Cement

Unsurpassed for Sidewalks, Floors, and all work requiring the Highest Grade of Portland Cement.

HEAD OFFICE: OWEN SOUND.



Rabbit No. 1.—"I am done for. My axe is broken."
Rabbit No. 2.—"Why don't you buy a Dundas axe? They stand Hemlock Knots."



Dundas Axes

will stand the most exacting tests. Finest quality steel, Hard and Tough.

Electros supplied to our customers for advertising.

Dundas Axe Works,
Dundas, Ont.

W. L. HALDIMAND, Jr.,
36 St. Dizier St., Montreal.
Eastern Agent.



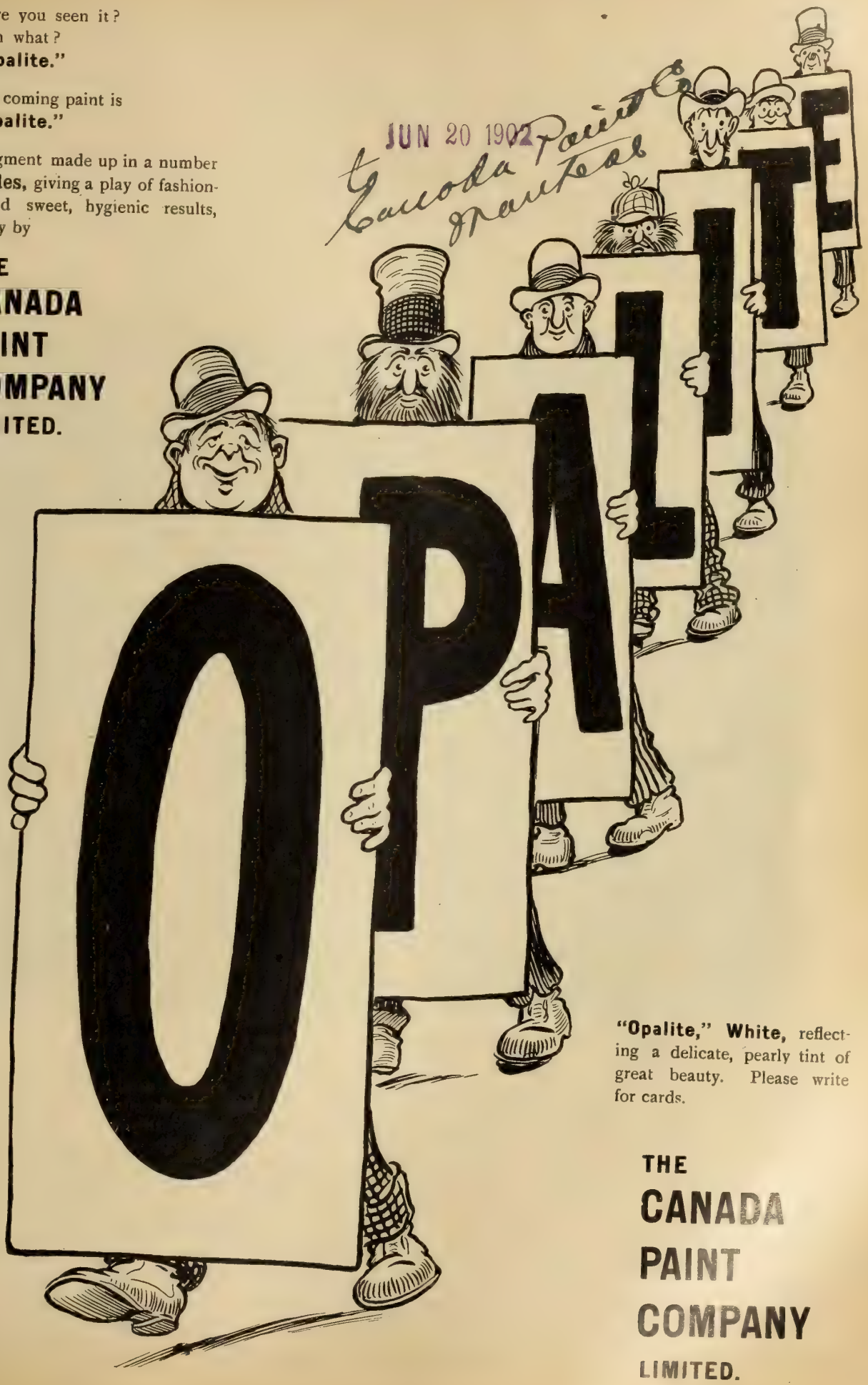
Have you seen it?
Seen what?
"Opalite."

The coming paint is
"Opalite."

"Opalite," a pigment made up in a number of attractive **shades,** giving a play of fashionable **colors** and sweet, hygienic results, manufactured only by

THE CANADA PAINT COMPANY LIMITED.

JUN 20 1902
Canada Paint Co
Montreal



"Opalite," White, reflecting a delicate, pearly tint of great beauty. Please write for cards.

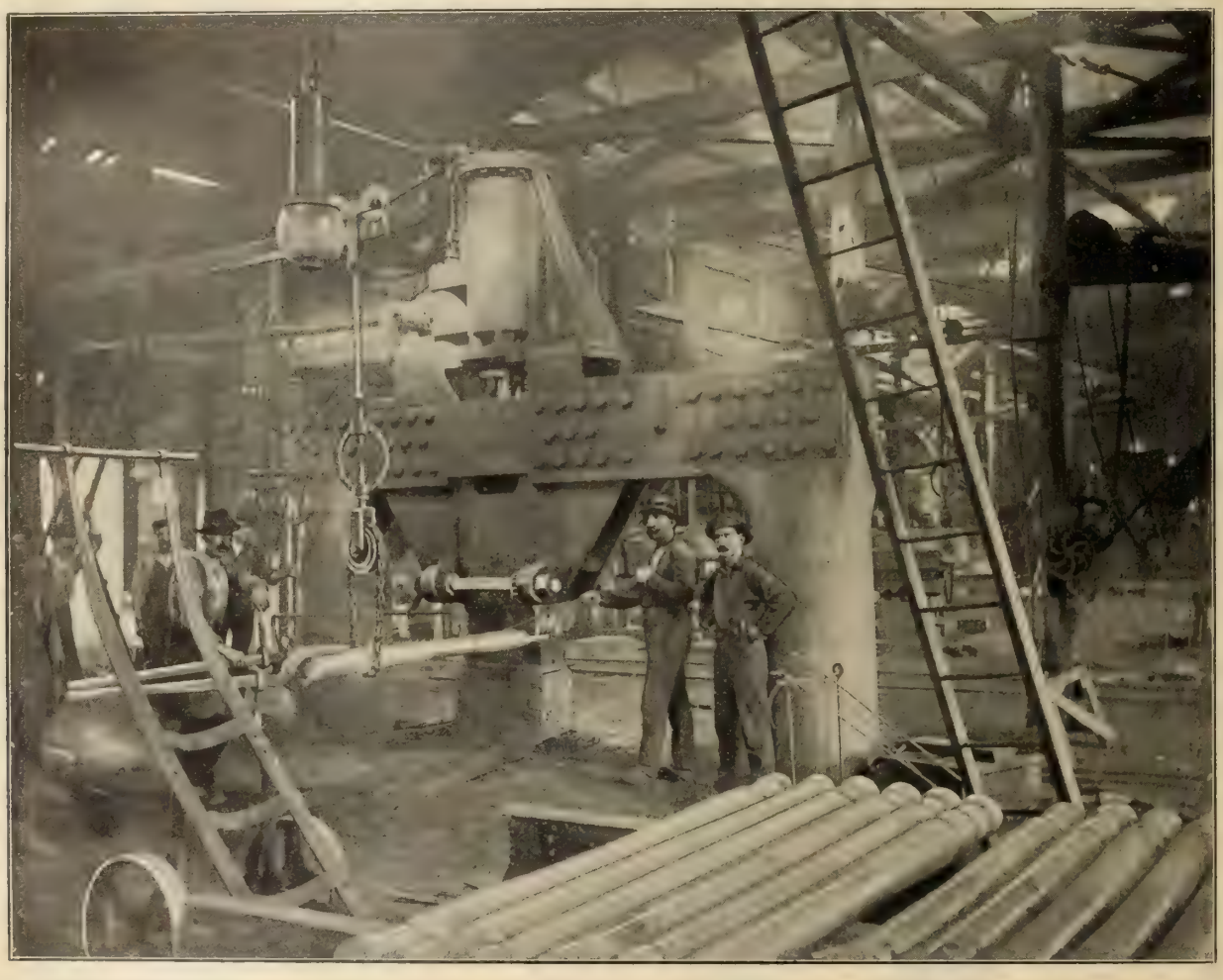
THE CANADA PAINT COMPANY LIMITED.

☞ **CAUTION--** The word "Opalite" is registered as a trade mark by **The Canada Paint Company, Limited.**

was along the natural course of producing, instead of buying, another line of raw material, and getting one step nearer to nature's bounty as a source of supply. From purchasing scrap iron the managers had turned to digging ore, coal and limestone from quarries and mines. The amalgamation of the two companies was effected in January, 1895, by the organization of The Nova Scotia Steel Co., Limited, which purchased outright the entire interests of both. Thus the old concerns, under a new name and a single directorate, continued to operate the varied and extensive enterprises that had been established, making important additions and improvements from year to year. The new company continued to operate the iron mines at Bridgeville, Pictou County, which, with the lime deposits, have a standard gauge railway connection with the smelter site and the Intercolonial line, also the steel works at New Glasgow, comprising three Siemens open-hearth melting furnaces with a total capacity of 70 tons per day, together with mills, forges and plant necessary for the working of the product of these furnaces. There was also operated by the company a coking plant of 54 retort coke ovens, capable of producing from 115 to 120 tons of first-class coke per day, the output being all used in the blast furnace of the company. An important feature of the enterprise was the coal-washing plant, put in operation in 1892, the first of its kind in America. The coal as mined contains from 17 to 25 per cent. of ash and 2 per cent. of sulphur, and it is desirable to reduce these to the lowest possible ratio. The washing process brings down the proportion of ash to 10 per cent., and reduces the sulphur to 1.35 per cent. According to a statement issued in January, 1897, the cash employed in the undertaking was $1,564,116, and it was necessary to make large expenditures on the plant every year, to keep abreast of the times in every department. The amount expended on new plant during the previous year (1896) was $159,097. The quantity of raw material of all kinds used during that year had grown to 181,778 tons, with a total cash value of $345,580, while the wage bill had grown to $227,669.59. The present wage bill of the company in all branches is $430,000. The total freight bill paid by the company during 1896 was $132,663, of which the Intercolonial received $90,000. The present freight bill is $160,000 per year, of which the Government road receives about $140,000.

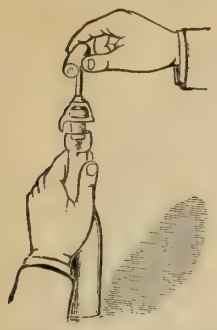
This does not complete the history of the company's growth by consolidation. The greatest achievement of all was accomplished in 1900, when it bought out and took over the property of the General Mining Association, which has itself a most interesting history. The new corporation thus brought into existence is The Nova Scotia Steel & Coal Co., Limited, whose shares have lately been attracting so much attention on the market. The General Mining Association, which has ceased to exist as a body corporate, was organized in 1825, and at that time took over the lease of extensive coal areas in Nova Scotia, held by the Duke of York, brother of George IV.

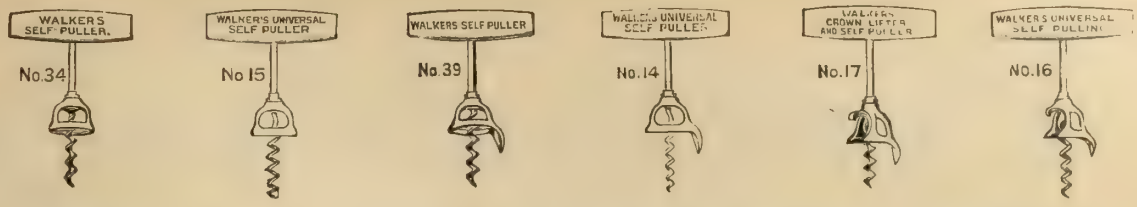
After taking over the property of the General Mining Association, began the construction of important mechanical works at Sydney mines. The first of these was the erection of one of the most modern coal washing and coking plants in the world. The coal washing plant consists of crushing house, 30 feet x 50 feet, containing shaking screen, one coarse and one fine crusher; two steel bins, 41 feet in diameter, lined with extra hard-burned brick and cement mortar and having a storage capacity of 3,000 tons of coal. The coal washer proper is 30 feet x 140 feet, and contains one 150-h.p. rope drive engine, steel shaking screens, scraping conveyors, elevators, jigs and



Nova Scotia Steel & Coal Company's Three-ton Steam Hammer, forging Steel Car Axles at their Forge Department, Trenton, N.S.

See! You Don't Have to Pull. A Child Can Do It.



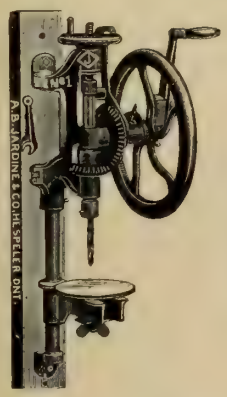


Walker's Self-Pulling Cork Screws

Made of Crucible Steel, Nickel Plated, Polished Apple Wood Handles.

EVERY ONE TESTED AND GUARANTEED. Several imitations on the market, but none as good

Mfrd. only by ERIE SPECIALTY CO., Erie, Pa., U.S.A.

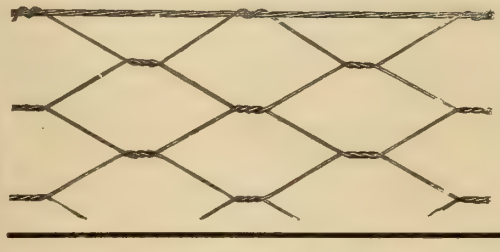


TRADE MARK J REGISTERED

Blacksmiths' Hand Drills.

The very best.

A. B. JARDINE & CO.
HESPELER, ONT.

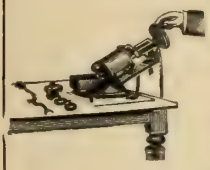


First-class FARM FENCING

only 30 cents per ROD

For Sale by — With Discount to Dealers.

The Ontario Wire Fencing Co.,
PICTON, ONT. Limited.



G. A. Crosby & Co. of Ontario,

SARNIA, ONT. LIMITED

Manufacturers of
Patent Automatic Can Making Machinery, Presses, Dies and Special Machinery for Working Sheet Metal.

"MIDLAND"

BRAND

Foundry Pig Iron.

Made from carefully selected Lake Superior Ores, with Connellsville Coke as fuel, "Midland" will rival in quality and grading the very best of the imported brands.

Write for Prices to Sales Agents

Drummond, McCall & Co.
or to MONTREAL, QUE.
Canada Iron Furnace Co.
MIDLAND, ONT. Limited

ELEVATORS

LEITCH & TURNBULL'S, HAMILTON, CANADA.

And HOISTING MACHINERY. All kinds for every need.

LEITCH & TURNBULL CO., LIMITED, - - - HAMILTON, CANADA.

DEALERS

Do you sell the "GLORIA" Light?

WHY NOT?

Our goods are the best—our prices are the lowest. Our "United Gloria" Triple Weave Mantle is the strongest and most brilliant mantle in the market. We manufacture it and know when we sell it it will bring repeat orders. We manufacture "United" Single Weave and Gasoline Mantles and carry a large stock of Burners, Chimneys, Bulb Globes, Fancy Etched and Ruby Globes.

SEND FOR PRICE LIST.

THE UNITED INCANDESCENT LIGHT CO.
Phone Main 969. 7 Yonge St. Arcade, Toronto.

HOLLYWOOD

New York, Buffalo, Chicago, Columbus, O.

PAINT CO., Limited

CANADIAN SALES:

7,000 Gallons in Seven Weeks

of Hollywood Paste Paint.

Hollywood Ready-Mixed Paint
Hollywood Floor Paint
Hollywood White Lead
Onyx Ochre in Oil

Enamels
Varnishes,
Agricultural Colors
Dry Colors
Colors in Oil

. . . WRITE FOR PARTICULARS . . .

CANADIAN WORKS - HAMILTON, ONT.

cement tanks. There is also a special bin into which the washed coal may be elevated and loaded directly into railway cars for shipment to Ferrona, for use in connection with the battery of 54 Bernard retort ovens.

The coking plant consists of 30 ovens, 40 ft. long x 7 ft. high, with an average width of 20½ in., having a capacity of 12 to 14 tons pressed coal per oven, or about 375 tons of coal per day, and from 250 to 275 tons of coke when working on the 24-hour system. The oven is known as the Bauer patent, which is the latest invention and most recent design in retort coke ovens. This is the first plant of the kind in America.

At a meeting in New Glasgow two weeks ago between Mr. Graham Fraser, the managing director of the Nova Scotia Steel & Coal Co., Limited, and representatives of North Sydney, it was decided to locate the new blast furnaces of the company at Sydney mines. The company will proceed at once with the erection of one furnace, the others to be added as soon as practical.

At the annual meeting of the directors of the Nova Scotia Steel & Coal Co., Limited, in Montreal a few days ago, it was shown that the profits of the company last year were $508,936. A dividend of 8 per cent. was paid on the preferred shares, and of 4 per cent. on the common shares.

CATALOGUES, BOOKLETS, ETC.

AN ATTRACTIVE HANGER.

HANGERS advertising the Oxford Economy gas range are being sent out by the Gurney Foundry Co., Limited, Toronto. These are neatly illustrated with a cut of the range, and on either side are appropriate mottoes in colored type: "The World's Best," "No Back-Breaking Contortions Necessary," "Up to the Minute." In green letters the name of the range appears above.

SPORTING GOODS CATALOGUE.

Two new catalogues and price lists have been recently issued by John Millen & Sons, which should be in the hands of every retailer. They are both well printed and handsomely gotten up. In the first of these catalogues it will be seen that several new lines have been added to the stock, while specialties are made of firearms, fishing tackle, etc. Keys are illustrated in a very great variety of shapes, sizes and prices. But perhaps the chief interest in the catalogues centres in the bicycles and bicycle parts and materials. This is a line of goods in which it would be hard to excel this firm, either in the quality of their wares or the variety. They have long made it a specialty and have brought it about as near to perfection as possible. The very latest devices and improvements in every part of the machines may be seen here, and all at prices that, to say the least, are very reasonable. These are two of the finest sporting goods catalogues issued in Canada and will be appreciated by the trade. There is no better place for selecting a line of sporting goods for the season than from these catalogues, and now is the time to do it.

A VALUABLE PRICE LIST.

From Warden King & Son, Limited, Montreal, comes a most complete little catalogue of soil pipes, fittings, etc. Some 35 pages are devoted to illustrations and prices of their soil pipe fittings, all grades and sizes being fully described. The miscellaneous goods following include steam heaters, bath heaters, hot-water heaters, stable fittings, circular stairs, ventilators, grates, sinks, etc., covering a range of articles in a more complete form than usually can be done by one house. An index at the back renders it easy to find any desired article. This catalogue will be valuable to hardware merchants for several reasons, and were it only for the price list it is worth dropping a card to the firm for.

Tenders are being invited for the erection of an eight-roomed stone and brick school, Smead-Dowd system, at Carman, Man. Particulars may be obtained from T. Bruce, Carman.

STEEL

BRIGHT COLD ROLLED FOR SHAFTING, STUDS, SCREWS, KEYS, ETC. BRIGHT COLD ROLLED STRIPS FOR STAMPING AND BLANKING BICYCLE, SEWING MACHINE PARTS, ETC. : : : : : : : : : : :

ALSO FOR MANY OTHER PURPOSES.

H. W. DeCourtenay & Co.

86 and 88 McGill Street, MONTREAL



Trade Mark

JONES BROS.

Stove Brick Manfrs.

Fire Clay and Asbestos Furnace Cement

CATALOGUES FURNISHED ON APPLICATION

BRACONDALE, ONT.

"RATHBUN'S STAR."

Portland Cement

"BEAVER" BRAND

MANUFACTURED BY

The Canadian Portland Cement Co.

LIMITED

Capacity of Works—500,000 Barrels per Year.

THE RATHBUN COMPANY,
310-312 Front Street West,
Telephone Main 1379. TORONTO, ONT.

SALES AGENTS

ST. LAWRENCE PORTLAND CEMENT CO.,
2664 Notre Dame St. W.,
Telephone Main 3987. MONTREAL, QUE.

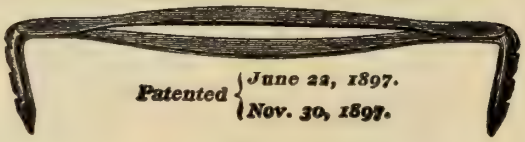


Cary Manufacturing Co.

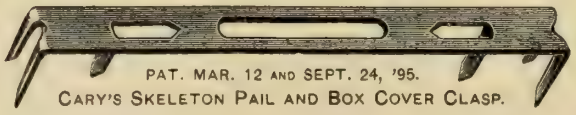
NEW YORK, U.S.A.

Manufacturers of

Cary's Patent Universal Box Strapping, Box Corner Fasteners, Clasps, Seals, Crate Hinges, Etc.



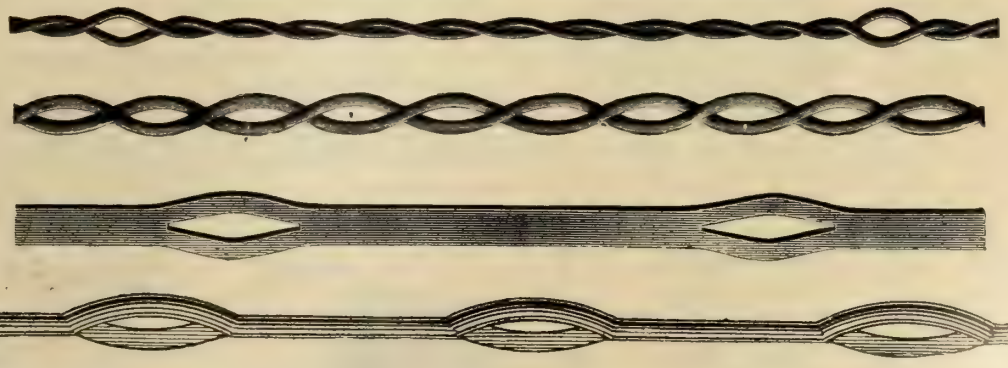




Also all kinds of

Wire Box Strapping





Montreal Headquarters:

E. F. DARTNELL

BELL TELEPHONE MAIN
NO. 2382.

180 St. James Street

NEW PRICES ON WASHERS.

THE Canadian manufacturers have issued a revised list of prices and discounts on wrought iron and steel plate washers. The list is as follows:

	Outside Diameter. Inches.	Size of Hole. Inches.	Thickness wire Gauge.	Size of Bolt. Inches.	Price per 100 lb.	Average No. in 100 lb.
Basr.	9-16 ..	¼	No. 18	3-16	$18 00	39,400
	¾ ..	5-16	" 16	¼	15.00	15,000
	⅞ ..	⅜	" 16	5-16	13.00	11,250
	1 .	7-16	" 14	⅜	10.50	6,800
	1¼ ..	½	" 13	7-16	10.00	4,300
	1⅜ ..	9-16	" 12	½	9.20	2,600
	1½ ..	⅝	" 12	9-16	9 10	2,250
	1¾ ..	11-16	" 10	⅝	9.00	1,300
	2 .	13-16	" 10	¾	8.80	1,110
	2¼ ..	15-16	" 9	⅞	8.80	860
	2½ ..	1 1-16	" 9	1	8.80	625
	2¾ ..	1¼	" 9	1⅛	8.80	520
	3 .	1⅜	" 9	1¼	9.00	400
	3¼ .	1½	" 8	1⅜	9.00	300
	3½ ..	1⅝	" 8	1½	9 20	280
	3¾ ..	1¾	" 8	1⅝	9.20	240
	4 .	1⅞	" 8	1¾	9 50	215
	4¼ ..	2	" 8	1⅞	9.50	190
	4½ .	2 1-8	" 8	2	9 50	175

Put up in 100 and 200-lb. boxes.

NET EXTRAS.

In 50-lb. boxes, ¼c. per lb.

In 25-lb. boxes, ½c. per lb.

Under 25 lb., 1c. per lb.

Special diameters, 20 per cent. advance over nearest standard size.

Special gauges, 20 per cent. advance for each gauge thinner than standard.

The discount is 33⅓ to 35 per cent.

MACHINE SHOP AMALGAMATION.

There has been a good deal of competition and cutting of prices between various machine shops at Vancouver, B.C., which has caused money to be lost that might otherwise have been gained. So there is a plan on foot providing for the amalgamation of the Albion Iron Works, the Vancouver Engineering Works and several other machine shops of Vancouver into one corporation. R. Seabrook, of the Albion Iron Works, is endeavoring to bring this about.

A FRESH SCHOOL OF WORKMEN.

Mr. Willis Mitchell, of Jas. Cartland & Son, Limited, Birmingham, Eng., is visiting Canada again in the exclusive interests of his firm. His many friends in the Dominion are glad to see him and give him a hearty welcome after an absence of two years, during which Mr. Mitchell has made his usual visit throughout Australia, New Zealand, etc., and many other places in Europe.

He is much opposed to the idea expressed by the opponents of British trade that English-made goods are not wanted in this market. He insists that during the past few years English makers, as a rule, have grown a "fresh school" of workmen, who are up to date as to the altered styles and requirements demanded by the colonial markets.

Mr. Mitchell considers that increased enterprise on the part of English manufacturers generally, coupled with the hearty cooperation of their workmen, and assisted by representatives who are thoroughly and practically acquainted with the various methods and costs of manufacturing the goods they offer, will enable them to uphold the old-time saying, "By test our goods are best."

Mr. Mitchell is at present staying at The Queen's Hotel, Toronto.

PERSONAL MENTION.

Mr. G. H. Karstedt, of Georgetown, Ont., was in Toronto this week.

Mr. J. J. Medcalfe, hardware and tinware merchant, Shelburne, Ont., was among the outside merchants who visited Toronto this week.

Col. Gartshore, vice-president and manager of The McClary Manufacturing Co., Limited, London, was in Toronto on Thursday.

Mr. Thomas Davidson, of The Thomas Davidson Manufacturing Co., Limited, Montreal, spent a day or so in Toronto this week.

Mr. Robt. Belfit, son of the managing-director of George Butler & Co., Trinity Works, Sheffield, is in Toronto this week. It is not many months since this gentleman called on his firm's customers, as Mr. Belfit travelled this territory during the fall of last year.

Mr. Harry Martin, of Aberdeen, Scotland, representing The Aberdeen Horn Comb Co., Limited, is making a tour of Canada in the interests of his firm. He carries a great many new samples of their varied manufactures, which are now known world-wide. He is at present staying at the Queen's Hotel, Toronto.

NEW PLOUGH FACTORY.

As a result of negotiations between the Council and Board of Trade of Paris, Ont., and F. Wraid, of Syracuse, N.Y., a large factory for the manufacture of ploughs, drills, etc., will soon be in operation at that town. A company with a capital of $250,000 is in course of formation, which will take over The Hilborn Plough Works, Ayr, Ont., and operate them until their plant at Paris has been erected. They will employ about 100 men. The site of the factory in Paris has not yet been located, but it will probably be a portion of South Dumfries, adjoining the town, and a movement is on foot to have it annexed to Paris.

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY MONTREAL.

Wanted—An Agent

ON COMMISSION

TO REPRESENT

Cocker Brothers, Ltd., Fitzalan Works, Sheffield, Eng.,

Manufacturers of high-grade Tool Steel, Die Blocks, etc. Also Wire in Coils, and Drill Rods, Ramsbottom's Piston Rings and Spiral Springs.

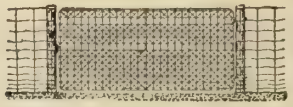
Apply direct, giving previous experience.

CARRIAGE BUYERS
should demand
DUNLOP
TIRES



Nothing but good wear can come from Dunlop Tires, because nothing but good rubber goes into them. Dunlop Tires are made for Autos and Bicycles.

Dunlop Tire Co., Limited, Toronto.



PAGE METAL GATES are so low in price no one can afford to use wooden ones. Light, and yet strong enough to support a heavy man on the end while he swings around the circle without causing them to sag. They are neat in appearance, will last a lifetime. Will not sag nor get rickety. They are supplied with latches which allow them to be opened either way and are self acting. The only good metal gate that is low enough in price for general farm purposes. We also make Farm and Ornamental Fence, Poultry Netting, Nails and Staples. The Page Wire Fence Co., Limited, Walkerville, Ont.

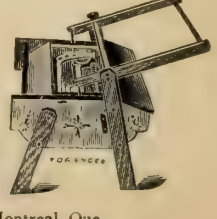


"DAISY" CHURN

Has tempered steel cased bicycle ball bearings, strongest, neatest and most convenient frame. Only two bolts to adjust in setting up. Steel Bow Levers, suitable for either a standing or sitting posture. Has four wheels and adjustable feet to hold stand steady while churning. When churn is locked to stand the bow can be used as handles to move it about on the front wheels as handy as a baby carriage. Open on both sides to centre, giving free space for pail. Made with wood or steel stands, with Cranks only, or Bow Levers as desired.

Vollmar Perfect Washer

Has a most enviable record. A perfection of its kind—will wash more clothes in less time, do it better and easier, with less wear and tear, than any other machine.



THE
Wortman & Ward Mfg. Co.,
Limited
LONDON, ONT.
Eastern Branch, 60 McGill Street, Montreal, Que.

JUN 2[illegible] 1902
to Canada Paint Co Montreal

"HIS ONLY PAIR"

The Painter who uses the Paints manufactured by **The Canada Paint Company** shows good judgment, and employs as his agents the best that money will produce.

The Paint that **stands** on a house is the Paint the people want. The people insist upon getting good Paints. They are looking for Paint that goes on easy, that is true to color, a paint that will retain its brilliancy, that stands up against the weather and puts off the necessity for repainting.

The Canada Paint Company's Paints are made on that principle. They are Pure Paints, made as Paints should be made, and there are none better. Always insist upon getting

THE

CANADA PAINT COMPANY'S

Paints, and then you have the best that money can buy.



MARKETS AND MARKET NOTES

QUEBEC MARKETS.

Montreal, March 21, 1902.

HARDWARE.

A CHANGE for the better has come over the hardware business during the past week, and the demand is gradually improving as the spring advances. Heavy goods are moving better than other lines, but there is also a good demand for shelf goods and cutlery. Barb wire and fence staples have commenced to move more freely, and a fair inquiry for spring is experienced at present. Since the new discount on bolts came into force, the business in this line has dropped off somewhat. Several small import orders are beginning to come in for skates for next year, which is rather earlier than usual. It is expected, though, that there will not be as good a demand for skates next year as there was this, and that toboggans and snowshoes will sell better. A few inquiries for horseshoes and horse nails mark the opening up of spring business in this line. Some sizes of Norway iron appear to be scarce, and it is very hard to obtain an assortment of all sizes. Kitchen utensils are selling well, and in churns, washing machines, wringers and egg crates there is a good demand springing up. Prices on the great majority of hardware lines are well maintained, and show, if anything, a tendency to stiffen.

BARB WIRE—There is a noticeable improvement in this, several orders being booked for the spring trade. No quotable change, however, can be reported. The price per 100 lb. is $3 f.o.b. Montreal.

GALVANIZED WIRE—There is a steady call for galvanized wire, but orders are, as a rule, small and the volume of business is not large. We quote: Nos. 6, 7 and 8 gauge, $3.45; No. 9, $2.80; No. 10, $3.55; No. 11, $3.65; No. 12, $2.95; No. 13, $3.05; No. 14, $4.05; No. 15, $4.55; No. 16, $4.80; No. 17, $5.20; No. 18, $5.45.

SMOOTH STEEL WIRE—A fair amount of business is being done. We quote: Bright iron and annealed on a base of $2.60 per 100 lb., f.o.b. Montreal, Toronto, Halifax, London, Hamilton and St. John. Net extras, per 100 lb. are as follows: Coppered wire, 60c.; tinned wire, $2; oiling, 10c.; spring wire, $1.25; best steel wire, 75c.; bright soft drawn, 15c.; special hay-baling wire, 30c.

FINE WIRE—There is a quiet market. The discount on fine wire is 22½ per cent.

BRASS AND COPPER WIRE—Brass and copper wire are to be discounted at 60 per cent. There is not much doing.

FENCE STAPLES—Business in fence staples has much improved, and a gradually growing demand is looked for from now out. We quote: $2.90 per 100 lb. keg for bright, and $3.25 for galvanized.

WIRE NAILS—There is some business doing, but a quiet market continues. Prices are unchanged. We quote: $2.25 for small lots and $2.50 for carlots f.o.b. Montreal, London, Hamilton, Toronto, Gananoque, Brantford, Windsor, Ont., St. John and Halifax.

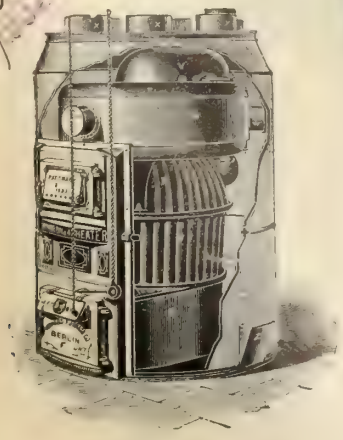
CUT NAILS—There is not much doing. The price per keg, in small lots, is $2.35, and in carlots, $2.27½. Coopers' and flour barrel nails are both discounted at 40 per cent.

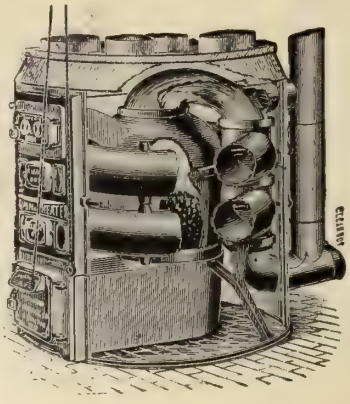
HORSENAILS—A number of small orders have been booked for spring, and the market is in a much better condition than a week ago. We quote: "C" brand at 50 and 7½ per cent. off and "M" brand at 60 per cent. off on oval and new city heads and 66⅔ per cent. off for new countersunk heads.

The Improved Celebrated

"HOWARD"

WARM AIR AND COMBINATION





FURNACES

Made In Ten Sizes.

WRITE FOR PRICES.

Agents wanted in every town and city in Canada.

I. E. SHANTZ & CO.

BERLIN, ONT.

TORONTO

9 RICHMOND STREET EAST

CANADA PLATE AND WINDOW GLASS CO.

Invite your correspondence in reference to

Best Polished Plate Glass

in all sizes



ALSO

ROUGH RIBBED or ROLLED PLATE.

ROLLED or MUFFLED CATHEDRAL and FIGURED GLASS in white and tints.

Special prices for Import Specifications.

COMMON WINDOW GLASS and DOUBLE DIAMOND by the case or pane.

LEADED and COPPERED Art Glass.

MIRRORS and BEVELED PLATES.

FINE WOOD MANTELS GRATES and TILES.

TILE FLOORS and WALLS.

CANADA PLATE AND WINDOW GLASS CO.

9 RICHMOND STREET EAST

TORONTO

ENGLISH
GERMAN
BELGIAN
CANADIAN
AMERICAN
} PORTLAND CEMENTS.

FIRE
BUILDING
ENAMELLED
SILICA
MAGNESIA
} BRICKS.

DRAIN
CULVERT
} PIPES.

F. HYDE & CO.
31 WELLINGTON ST., MONTREAL

. . FULL STOCK . .
Salt Glazed Vitrified
SEWER PIPE
Double Strength Culvert Pipe a Specialty.
THE CANADIAN SEWER PIPE CO.
HAMILTON, ONT. TORONTO, ONT.
ST. JOHNS, QUE.

Deseronto Iron Co.
LIMITED
DESERONTO, ONT.
Manufacturers of
CHARCOAL PIG IRON
BRAND "DESERONTO."
Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

The Robin Hood Powder Company
If you want the best Trap or Game load in the world, buy "Robin Hood Smokeless," in "Robin Hood" Shells. It is quick, safe, and reliable. Try it for pattern and penetration from forty to seventy yards against any powder on the market. We make the powder, we make the shells, and we load them. Write for our booklet, "Powder Facts."
The Robin Hood Powder Company
SWANTON, VT.

HORSESHOES—These also are in considerably better demand. Prices have not changed. We quote as follows: Iron shoes, light and medium pattern, No. 2 and larger, $3.50; No. 1 and smaller, $3.75; snow shoes, No. 2 and larger, $3.75; No. 1 and smaller, $4; X L steel shoes, all sizes, 1 to 5, No. 2 and larger, $3.60; No. 1 and smaller, $3.85; feather-weight, all sizes, $4.85; toe weight, steel shoes, all sizes, $5.95 f.o.b. Montreal; f.o.b. Hamilton, London and Guelph, 10c. extra.

SCREWS—The demand for screws is still light, there being little, if any, change for the better since our last report. No change in discounts has occurred. They are as follows: Flat head bright, 87½ and 10 per cent. off list; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.

BOLTS—Since the change in discounts of last week there has not been as satisfactory a business done in bolts or nuts. Most of the trade became pretty well stocked before the changes occurred, and they can afford to wait some time before buying under the new figures. The discounts are as follows: Norway carriage bolts, 55 per cent.; common, 50 per cent.; full square carriage bolts, 55 per cent.; machine bolts, 50 and 5 per cent.; coach screws, 66⅔ per cent.; sleigh shoe bolts, 65 and 5 per cent.; blank bolts, 50 and 5 per cent.; bolt ends, 50 and 5 per cent.; plough bolts, 50 and 5 per cent. To any retailer an extra discount of 10 per cent. is allowed. Tire bolts, 67½ per cent.; stove bolts, 67½ per cent. Nuts, square, 3½c. per lb. off list; hexagon nuts, 3¾c. per lb. off list. To all retailers an extra discount. of ¼c. per lb. is allowed.

BUILDING PAPER—A brisk demand continues for building paper, and prices are steady, though fairly firm. We quote as follows: Tarred felt, $1.70 per 100 lb.; 2-ply, ready roofing, 85c. per roll; 3-ply, $1.10 per roll; carpet felt, $2.25 per 100 lb.; dry sheathing, 30c. per roll; tar sheathing, 40c. per roll; dry fibre, 50c. per roll; tarred fibre, 60c. per roll; O K and I X L, 65c. per roll; heavy straw sheathing, $30 per ton; slaters' felt, 60c per roll.

CORDAGE—Trade is improving gradually, and the number of orders for spring delivery is increasing. There have been no changes in prices. We quote: Manila, 16c.; British manila, 14c.; sisal, 12½c.; lathyarn, 11c. Prices on binder twine are as follows: Blue ribbon, 650 feet to the pound, 14½c.; Redcat, 600 feet to the pound, 13½c.; Tiger, 550 feet to the pound, 12½c.; Standard, 500 feet to the pound, 11c.; sisal, 500 feet to the pound, 11c. Prices are subject to a rebate of ¼c. in carload lots.

RIVETS AND BURRS—Trade is taking on a little more activity, and there is a bright outlook for spring business. The discounts are as follows: Best iron rivets, section, carriage, and wagon box, black rivets, tinned do., coopers' rivets and tinned swedes

THE BEST BRANDS
TINPLATES
"Allaways" Charcoal.
"Lydbrook," "Trym," "Grafton" Cokes.
TINNED SHEETS
"Wilden" Best Coke or Charcoal.
TERNE PLATES
"Dean," dull finish.
CANADA PLATES
"Dominion," polished.
Accept no Substitutes.
A. C. LESLIE & CO.
MONTREAL.


IRON AND BRASS
Pumps
Force, Lift and Cistern Hand and Power.
For all duties. We can supply your wants with—quality the best and prices right. Catalogues and full information for a request.
THE R. McDOUGALL CO., Limited,
Manufacturers, GALT, CANADA.

ADAM HOPE & CO.
Hamilton, Ont.
We offer for prompt shipment
Pig Tin,
L. & F. and STRAITS.
Ingot Copper, O.C.
Pig Lead.
Spelter.
Antimony.

NOVA SCOTIA STEEL & COAL CO., Limited
NEW GLASGOW, N.S.
Manufacturers of
Ferrona Pig Iron
And SIEMENS MARTIN
OPEN HEARTH STEEL.

If you could look into the future



and see the healthy conditions your Varnish Business would be in, by reason of your having handled

"Elastilite,"

you would telegraph for some of it to be sent by express, as a letter and freight would be too slow.

"Elastilite" Varnish

always pleases a particular customer. For outside and inside use. In tins only, from half pints to one gallon. Sealed with our brass cap.

MANUFACTURED ONLY BY

The Imperial Varnish & Color Co. LIMITED

Toronto, Ont., Canada.

Canadian Agents for Buehne's "Red, White and Blue" Brand Steel Wool.

Floor Paints.

Isn't it to your interest to carry in stock the best Floor Paint?

"Ark Brand" Floor Paints are made especially for Verandah and Hotel Floors, Public Halls, Steps, Walks, and interior floors of all kinds.

They are made to stand rough usage, such as scrubbing, walking, weather, etc.

They are like iron and dry over night with a nice finish.

THE FRANCIS-FROST CO. Limited
TORONTO.

Canadian Distributing Agents for Grippin's Crack Filler.

rivets, 60 and 10 per cent.; swedes iron burrs are quoted at 55 per cent. off; copper rivets, 35 and 5 per cent. off, and coppered iron rivets and burrs, in 5-lb. carton boxes, are quoted at 60 and 10 per cent. off list.

SCREEN WIRE CLOTH — The market is steady, with a fair trade doing at $1.25 per 100 sq. ft.

POULTRY NETTING—There is a fair inquiry, and a somewhat better business done than last week. Discounts for Canadian or English are: 60 per cent. off 2 x 2 mesh, 19 wire, and 55 per cent. off 2 x 2 mesh, heavier, Canadian list.

HARVEST TOOLS—Since the change in the discount of last week, there has been a quiet market in harvest tools, as compared with the past two or three weeks. A moderate amount of business, however, is doing. The discount is 60 and 10 and 10 per cent.

FIREBRICKS—The prices in this line remain the same, and nothing new is likely to occur until the opening of navigation. The demand has improved this week. We quote: Scotch, $19 to $23.50; English, $18.50 to $22.50 per 1,000.

CEMENT—There is a fairly active inquiry at steady and unchanged prices. We quote as follows: German cement, $2.30 to $2.40; English, $2.25 to $2.35; Belgian, $1.70 to $1.95 per bbl. ex-wharf, and American, $2.20 to $2.30 ex-cars.

METALS.

The firm feeling in the foreign market has not been relieved, and, instead, several small advances have been made in different lines. Iron continues firm, and there is an active trade doing at quoted prices. Most of the orders are for small amounts, but, being large in numbers, they swell the total up to a very good volume of business. The pig iron market shows something of a firmer tone, and in some quarters an advance is looked for. Toe-calk and tire steel are both in good demand at present, and the prices are firm. As yet, quotations on most metals remain at last week's figures, but on iron pipe, black and galvanized, a slight reduction will be noted in some sizes.

PIG IRON—There still exists a difficulty in securing prompt shipments. It is expected that higher prices will be asked before long. We quote: Summerlee, $21 to $21.50; Canadian, $18.50 to $19.

BAR IRON—This is an active market and prices are firm. We quote: Merchant bar, in small lots, $1.95; horseshoe iron, $2.15 to $2.20.

BLACK SHEETS—There is a steady demand for black sheets at unchanged prices. The market, however, is not active. Our quotations are: 28 gauge, $2.65; 26 gauge, $2.60; 20 to 24 gauge, $2.50; 8 to 20 gauge, $2.50.

GALVANIZED IRON—The demand for this article has not improved, and trade remains quiet, at steady prices. We quote: No. 28, Queen's Head, $4.40; Apollo, 10¾ oz., $4.40; Comet, $4.25, with 10c. extra, for less than case lots.

INGOT COPPER—There is not much doing, and the price remains steady at 14c.

INGOT TIN—There is a moderate inquiry, but the market is featureless. Straits are worth 29c.

PIG LEAD—Some improvement is reported, but the market is still quiet at $3.25.

LEAD PIPE—In this there is little doing, and prices are unchanged. Composition, 7½c.; ordinary, 7c. The discount is 35 per cent.

IRON PIPE—The demand is fair. In black standard pipe, ¼ and ⅜ sizes, and in galvanized, ⅜ size, there has been a reduction of 10c. per 100 feet. We quote standard pipe, per 100 feet, screwed and coupled, in lengths under 19 feet, as follows: Black pipe, ⅛, $3; ¼, $2.40; ⅜, $2.65; ½, $3; ¾, $3 70; 1-inch, $5.25; 1¼, $7.40; 1½, $8.90; 2-inch, $12.40. Galvanized, ¼, $3.20; ⅜, $3.45; ½, $4; ¾, $5.05; 1-inch, $7.25; 1¼, $10.10; 1½, $12.15; 2-inch, $16.70. Extra heavy pipe, plain ends, are quoted, per 100 feet, as follows: Black, ½, $4.35; ¾, $5.30; 1-inch, $7.60; 1¼, $10.60; 1½, $12.70; 2-inch, $17.45. Galvanized, ½, $5.35; ¾, $6.70; 1-inch, $9.60; 1¼, $13.30; 1½, $15.95; 2-inch, $21.75. For threads and couplings, 5 per cent. is added.

TINPLATES—The market is not very active, but both locally and on the primary markets there is a continued firm feeling. We quote: Cokes, $4.25 to $4.50 per box; charcoal, $4.75 to $5.25 per box.

CANADA PLATE—There is no change. The market is as firm as ever. We quote as follows: 52's, $2.65 to $2 70; 60's, $2.75 to $2.80; 75's, $2.80 to $2.85; full polished, $3.75, and galvanized, $4.25 to $4.35.

STEEL—An active trade continues. Toecalk and tire steel are in particularly good demand, and the prices all round are very firm. We quote: Sleighshoe, $2.10, tire, $2.15; bar, $2.05; spring, $2.85; reeled machinery, $3; toecalk, $2.60.

SHEET STEEL—There is still a very quiet market. We quote: Nos. 10 to 20, $2.50; 3-16, $2.50; ¼, 5-16 and ⅜, $2.40.

TOOL STEEL—There is a noticeable improvement this week and prices are steady. "Diamond" sells for 8c.; Jessop's for 13c.

TERNE PLATES—The market is dull. The price is $7.75 to $8.

COIL CHAIN—This market continues to improve, and a good number of orders are being booked for spring. The prices, generally speaking, are firm. Our quotations are: No. 6, 12½c.; No. 5, 10½c.; No. 4, 10c.; No. 3, 9½c.; ¼-in., 7¼c. per lb.; 5-16, $4.80; 5-16 exact, $5.25; ⅜, $4.25; 7-16, $4.05; ½, $3.85; 9-16, $3.75; ⅝, $3.55; ¾, $3.50; ⅞, $3.45, and 1-in., $3.45. In carload lots an allowance of 10c. is made.

SHEET ZINC—Trade is quiet. The price is $5.75 to $6.25.

ANTIMONY—Wholesale houses were notified that prices on antimony were withdrawn, but nothing new has transpired, and the retail trade can still obtain this article at 10c. This figure is for small lots. It was expected by some of the jobbing trade that an advance would have been asked, but nothing of the kind has occurred as yet.

ZINC SPELTER—The market remains very quiet, and the price is unchanged from 5c.

SOLDER—Both wire and bar solder are moving out very well, and prices are well maintained. We quote: Bar solder, 18c.; and wire solder, 20c.



PAINTS AND OILS.

The only noticeable feature of the paint and oil market for the past two weeks has been the marked increase in the volume of business as compared with the corresponding weeks of last year. The general prosperity of the country has, no doubt, had much to do with the increase in consumption, and the mild weather prevailing has led to earlier operations than usual, so that the present season is, perhaps, a little ahead of time as regards paints and oils. At any rate, the unusual condition exists of the factories being almost as busy as in the height of the season. Prices on all lines are the same as last week. Linseed oil shows a somewhat easier feeling on the English market. Turpentine, on the other hand, is as firm as ever, and an advance may take place almost any time. We quote:

WHITE LEAD.—Best brands, Government standard, $5.87½; No. 1, $5.50; No. 2 $5.12½; No. 3, $4.75; No. 4, $4.37½ all f.o.b. Montreal.

DRY WHITE LEAD—$5.25 in casks; kegs, $5.50.

DRY WHITE ZINC — Pure dry, 6¼c.; No. 1, 5¼c.; in oil, pure, 7¼c.; No. 1, 6¼c.; No. 2, 5¼c.

PUTTY — We quote: Bulk, in bbls., $1.90 per 100 lb.; bulk, in less quantity, $2.05; bladders, in bbls., $2.25; bladders, in 100 or 200 lb. kegs or boxes, $2.40; in tins, $2.55 to $2.65; in less than 100-lb. lots, $3 f.o.b. Montreal, Ottawa, Toronto, Hamilton, London and Guelph. Maritime Provinces, 10c. higher, f.o.b. St. John and Halifax.

ORANGE MINERAL—Casks, 7c.; 100 lb. kegs, 7¼c.; smaller quantities, 8¼c.

RED LEAD — Genuine red lead in casks, $4.50; in 100-lb. kegs, $4.75; less quantities, $5.75 per 100 lb. No. 1 red lead, casks, $4.25; kegs, $4.50, and smaller quantities, $5.50.

LITHARGE—Ground, casks, 5c.; less, 5½c.; flake litharge, casks, $5.25; smalls, $5.75 per 100 lb.

LINSEED OIL.—Raw, 80c.; boiled, 83c. In 5 to 9 bbls., 1c. less; 10 to 20 bbl. lots open, net cash, plus 2c. for four months. Delivered anywhere in Ontario between Montreal and Oshawa at 2c. per gal. advance and freight allowed.

TURPENTINE.—Single bbls., 67c.; 2 to 4 bbls., 66c.; 5 bbls. and over, open terms.

SHELLAC VARNISH — Pure white, $2.35 to $2.45; orange, $2.25 to $2.35.

MIXED PAINTS—$1.20 to $1.45 per gal.

CASTOR OIL—8¾ to 9¼c. in wholesale lots, and ½c. additional for small lots.

SEAL OIL.—47½ to 49c.

COD OIL—32½ to 35c.

PARIS GREEN — Petroleum barrels, 16¾c. per lb.; arsenic kegs, 17c.; 50 and 100-lb. drums, 17½c.; 25-lb. drums, 18c.; 1-lb. packages, 18½c.; ½-lb. packages, 20½c.; 1-lb. tins, 19½c.; ½-lb. tins, 21½c. f.o.b. Montreal. Terms: 3 per cent. 30 days, or four months from date of delivery.

SCRAP METALS.

Business in scrap metals is as active as usual at this season of the year, and the scarcity which has existed on some lines has not been relieved. Prices on wrought iron show some signs of falling off, due to the fact that the mills do not seem as anxious to buy. There is, however, still very little iron to be obtained. Steel is in good demand. Lead is weaker, and a shade lower in price. Quotations are: Heavy copper and wire, 11c. per lb.;

light copper, 8c.; heavy red brass, 11c.; heavy yellow, 9c.; light brass, 5c.; lead, 2⅜ to 2⅝c.; zinc, 2 to 2¼c.; iron, No. 1 wrought, $17; machinery scrap, $15; stove plate, $9 to $11; light iron, No. 2, $7 per ton; malleable and steel, $4; rags, country, 60 to 70c. per 100 lb.; old rubbers, 6c. per lb.

GLASS.

The market for glass has not perceptibly altered since our last report. Nearly all the retail orders have been booked, and the trade is quiet at steady prices. Our quotations are now as follows: First break, 50 feet, $2.10; second, $2.20 for 50 feet; first break, 100 feet, $4.00; second break, $4.20; third break, $4.70; fourth break, $4.95.

HIDES.

The hide market is rather quiet. The bad condition of the country roads has been the cause of light receipts, and although there is little doing, yet the stocks have been brought down pretty low on this account. We quote: No. 1 hides, 7c.; No. 2, 6c.; No. 3, 5c.; No. 1 calfskins, 10c.; sheepskins, 65c.

MONTREAL NOTES.

Black standard pipe, in ¼ and ⅜ sizes, is 10c. per 100 ft. lower.

Galvanized standard pipe has been reduced in price 10c. per 100 ft., in ⅜ size.

It will be worth the while of the retail hardware trade to look up The Canada Hardware Co.'s offer on "Magnolia Metal." They have a large quantity of this which they are willing to dispose of at an exceptionally low figure for the purpose of clearing it out.

ONTARIO MARKETS.

Toronto, March 21, 1902.

HARDWARE.

TRADE conditions remain much about the same as a week ago. While a good business is being done, the bad condition of the country roads is undoubtedly preventing business from being as active as it otherwise would be. A good deal of fence wire is being shipped. The demand for wire nails shows more activity and a good many retailers who placed orders for delivery in April are now asking that shipment be made at once. There is quite a little rope going out. Inquiries are now beginning to come in for gas and oil stoves. Some ice-cream freezers are going out and dealers are stocking up with refrigerators. Churns are moving out well. A good many orders are being booked in tinware and enamelled ware. Barn door hinges are 25c. dearer. The manufacturers of chain have notified the trade of an advance of $2 per ton.

BARB WIRE.—Orders booked some time ago for barb wire and plain twist are now being delivered with a good deal of freedom. We quote as follows: F.o.b. Cleveland, $2.77½ for less than carlots, and $2.65 for carlots. From stock Toronto, $3.

GALVANIZED WIRE.—A good many shipments are being made this week. Quotations are as follows: Nos. 6, 7 and 8, $3.50 to $3.85 per 100 lb., according to quantity; No. 9, $2.85 to $3.15. No. 10, $3.60 to $3.95; No. 11, $3.70 to $4.10; No. 12, $3 to $3.30; No. 13, $3.10 to $3.40; No. 14, $4.10 to $4.50; No. 15, $4.60 to $5.50; No. 16, $4.85 to $5.35. Nos. 6 to 9 base f.o.b. Cleveland are quoted at $2.52½ in less than carlots and 12c. less for carlots of 15 tons.

SMOOTH STEEL WIRE.—The movement is light in both oiled and annealed and hay-baling wire. Base price: $2.60 per 100 lb. Oiling, 10c.; coppering, 60c.; and tinning, $2 per 100 lb. extra. Delivery points Toronto, Hamilton, London and Montreal, with freights equalized on those points.

FINE STEEL WIRE.—Trade is only moderate. Discount 22½ per cent.

WIRE NAILS.—Business has improved and the demand is quite active. Dealers who ordered for April delivery are, in many instances, asking for immediate shipment. Our quotations are as follows: $2.55 for less than carlots and $2.50 for carlots. Delivery points, Toronto, Hamilton, London, Gananoque and Montreal.

CUT NAILS.—These continue dull. We quote base price $2.35 per keg, with 7½c. allowance on carlots.

HORSE NAILS.—Trade is quiet, and the discounts are as follows: "C" brand, oval head, 50 and 7½ per cent., and on "M" and other brands, 50, 10 and 5 per cent. Countersunk head 60 per cent.

HORSESHOES.—Very little doing. We quote f.o.b. Toronto as follows: Iron shoes, No. 2 and larger, light, medium and heavy, $3.60; snow shoes, $3.85; light steel shoes, $3.70; featherweight (all sizes), $4.95; iron shoes, No. 1 and smaller, light, medium and heavy (all sizes), $3.85; snow shoes, $4; light steel shoes, $3.95; featherweight (all sizes), $4.95.

SCREWS.—A nice business is still the feature of the screw trade. Discounts are as follows: Flat head bright, 87½ and 10 per cent.; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.; round head bronze, 65 per cent., and flat head bronze 70 per cent.

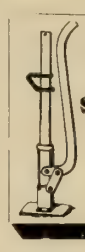
RIVETS AND BURRS.—Business is fairly good in rivets. The machinery and boiler manufacturers are gradually becoming more busily employed. We quote as follows: Iron rivets, 60 and 10 per cent.; iron burrs, 55 per cent.; copper rivets, with usual proportion of burrs, 45 and 10 per cent.; copper burrs alone, 30 and 10 per cent.

BOLTS AND NUTS.—Trade in this line is decidedly brisk with prices firm at the recent advance. We quote: Carriage bolts, common ($1 list), 50 per cent.; carriage bolts, full square ($2.40 list), 55 per cent.; carriage bolts, Norway iron ($3 list), 55 per cent.; machine bolts, all sizes, 50 and 5 per cent.; coach screws, cone points, 66 2-3 per cent.

CAST IRON AND MALLEABLE FITTINGS.—There has been a change in the discounts of cast iron and malleable fittings in the shape of a small advance and these are now quoted at a discount of 40 and 60 per cent. respectively for all excepting plugs, brushings, unions and nippers in cast-iron fittings, which are still subject to a discount of 65 per cent. This advance is in sympathy with the rise in the United States, where the manufacturers have been taxed to their limit to fill all their orders and thus have been induced to put up the prices.

ROPE.—There is quite a good demand for rope. The statistical position of the hemp market remains firm. We quote:

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.
'WELLINGTON' KNIFE POLISH
JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
Wellington Mills, London, England.
Agent:
JOHN FORMAN, 644 Craig Street
MONTREAL


COVERT MFG. CO.
West Troy, N.Y.
Steel Carriage and Wagon Jacks,
Harness Snaps, Chain, Rope and Web Goods, etc.
FOR SALE BY JOBBERS AT MFRS. PRICES.

PRIEST'S CLIPPERS
BALL BEARINGS

Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., U.S.A.

NEWMAN'S PATENT
INVINCIBLE FLOOR SPRINGS
Combine all the qualities desirable in a Door Closer. They work silently and effectually, and never get out of order. In use in many of the public buildings throughout Great Britain and the Colonies.
MADE SOLELY BY
W. NEWMAN & SONS, Birmingham.

Oneida Community Goods
HALTERS, COW TIES SNAPS, etc., etc.,
in all sizes and styles. May be had of all jobbers throughout Canada.
Factory—NIAGARA FALLS, ONT.

GARDEN AND ALL OTHER STYLES OF
WHEELBARROWS, WASHING MACHINES,
ROUND AND SQUARE,
ROTARY AND REACTING.
Warehouse Trucks, Bag Trucks, Barrel Trucks, etc., etc.
WRITE FOR PRICES.
CLELAND BROS & CO.,
MEAFORD, ONT. (12)

Pure manila, 16c.; British manila, 14c.; sisal, 12½c.; lathyarn, 11c.; sisal bed cord, 3 cord, 48 ft., 65c.; 60 ft., 80c.; 72 ft., 95c. per doz.

BINDER TWINE.—A fair business is being done. We quote: "Blue Ribbon," 650 ft., 14½c.; "Red Cap," 600 ft., 13½c.; "Tiger," 580 ft., 12½c.; sisal, 500 ft., 11 cents.

BARN DOOR HINGES.—Prices are 25c. higher. We now quote: 6 to 10 inch at $4.50, and 12-inch and up, $3.50. Business is fairly good.

WASHERS.—Iron and steel-plate washers are now quoted at a discount of 33 1-3 to 35 per cent., and a revised list of prices has been issued. This list is given in full on another page.

CHAIN.—The manufacturers of chain have notified the wholesale trade of an advance of $2 per ton, and the latter may be expected to mark up their figures.

MILK-CAN TRIMMINGS.—Not many orders are being placed. Early orders have been delivered, and until these have been worked up, which will probably not be for amonth or six weeks' hence, not much of a sorting-up trade is, of course, expected. Discount 25 per cent.

SAP BUCKETS.—Very little is being done. The recent cold snap naturally stopped the sap from flowing. Discount 40 and 10 per cent.

EAVETROUGH.—Some business is being done. We quote $3.10 per 100 ft.

ENAMELLED WARE AND TINWARE.—A good many orders have been booked for shipment April 1, but at present very few shipments are being made.

GAS AND OIL STOVES.—Inquiries are beginning to come in for both gas and oil stoves.

SCREEN DOORS AND WINDOWS.—Nothing is yet being done in the way of forward shipment. Common doors, 2 or 3 panel, are quoted f. o. b. factory points as follows: Walnut, stained, 3-in. style, $6.80 per dozen; stained, yellow, $7; natural color, oil finish, $8.15; 4-in. style, 20c. extra per dozen. Windows: No. 0, $1.60; No. 1, $1.70; No. 2, $1.95; No. 3, $2.10; No. 4, $2.50 per dozen.

GREEN WIRE CLOTH.—Little or nothing is going forward yet. We quote $1.25 per 100 square feet.

SPADES AND SHOVELS.—Quite a quantity of spades and shovels is being shipped. Discount 40 and 5 per cent.

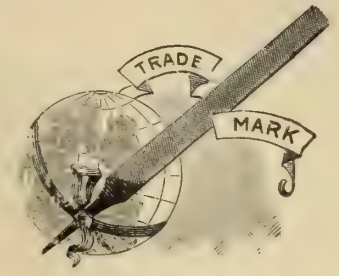
HARVEST TOOLS.—Quite a lot of harvest tools are being shipped. There are some lines which have not yet been taken into stock by the jobbers, but they are such, at any rate, which will not be required till later in the season. Discount 60, 10 and 10 per cent.

BUILDING PAPER.—Business keeps fair. Quotations are as follows: Dry sheathing, grey or straw, 30c. per roll; tar sheathing, grey or straw, 40c. per roll; dry fibre, 50c. per roll; tarred fibre, 60c per roll.

LAWN MOWERS.—Some business is being done. We quote: Discount on high-wheel mowers, 50 per cent.; "Star" mowers, 9-in. wheels, $2.50 to $3; "Daisy" mowers, 17-in. wheels, $2.25 to $2.50.

CEMENT.—Trade continues quiet, but there are numerous inquiries for quotations, indicating that there will shortly be a good demand. Prices are firm. We quote: Canadian Portland, $1.90 to $2.75; Canadian hydraulic, $1.25 to $1.50; German cement, $3; English, $3 to $3.15; Belgian, $2.50 to $2.75 per barrel

GLOBE BRAND
Files and Rasps

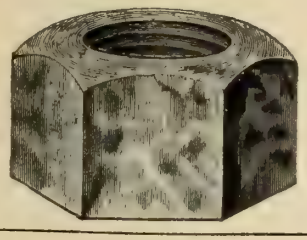


ALL SIZES,
ALL SHAPES,
ALL CUTS,
FOR ALL PURPOSES.

Are now manufactured by the NICHOLSON FILE CO. at their DOMINION WORKS, Port Hope, CANADA.

Made from first quality Cast Steel, by experienced workmen.
Every File carefully inspected, thoroughly tested and fully warranted.
For sale by all prominent Hardware Merchants throughout the Dominion.

WALTER GROSE, Selling Agent, MONTREAL



THE JOHN MORROW MACHINE SCREW COMPANY, Limited

Manufacturers of

Set and Cap Screws, Special Milled Work, Engine Studs, Etc. Cold Punched Nuts of every variety of finish.

INGERSOLL, ONT.

METALS.

The position of iron and steel is still strong and in both lines the demand exceeds the supply. In sheet metals there is a good trade being done and prices, as a rule, are firm.

PIG IRON.—The Canadian market is very strong and all the furnaces appear to be oversold. Some of the furnaces are quoting extravagant prices, evidently for the purpose of keeping buyers off. To good buyers the ruling idea for No. 2 foundry seems to be around $18.50.

BAR IRON.—The demand is good and at least some of the mills are a long distance behind with their orders. Prices are firm. We now quote $1.95 to $2.05. Extras cut to length while rolling: 2 ft. and over, 10c. per 100 lb.; 1 ft. and under 2 ft., 15c.; under 1 ft., 20c.; over 20 ft. by special agreement, according to length and size.

STEEL.—The scarcity of steel in Canada as in the United States, is most pronounced and in some instances orders cannot be accepted. Letters to this effect are being received by the wholesale trade. We quote as follows: Merchantable cast steel, 9 to 15c. per lb.; drill steel, 8 to 10c. per lb.; "B C" and "Black Diamond" tool steel, 10 to 11c.; Jessop's, Morton's and Firth's tool steel, 14c.; toe-calk steel, $2.85 to $3; tire steel, $2.30 to $2.50; sleighshoe steel, $2.10 to $2.25; reeled machinery steel, $3; hoop steel, $2.90.

BLACK SHEETS.—The demand is active with stocks light. We quote: Common, $3.15 for 28 gauge; and dead flat, $2.50 for 26 gauge.

CANADA PLATES.—Although the bulk of the import orders have been placed there is still some business being done on that account. There is a moderate demand from stock. We quote: All dull, $3; half polished, $3.10; all bright, $3.75.

GALVANIZED SHEETS.—A fair number of import orders are being booked, and there is a steady demand from stock. Stocks are light. We quote: "Queen's Head" brand at $4.50 in case lots, and $4.65 in less quantities.

TIN.—Business has been quiet during the past week, buyers holding off on account of the high prices. The London, Eng., market is firm with prices slightly higher, but spot tin is slightly weaker in New York. Prices are unchanged here at $29 to $30 per 100 lb.

TINPLATES.—The demand is good. Although some shipments are coming to hand stocks locally are becoming much reduced. Some houses are practically cleaned out, while others report they are very close to being so. I C is still quoted at $4.25.

TINNED SHEETS.—The demand is fair. We quote: 72 x 30, up to 24 gauge, 7½c.; ditto, up to 26 gauge, 8c.

TERNE PLATES.—There has been an active demand during the week for terne plates. This article again appears to be coming into more general use for roofing purposes. We quote I C, 20 x 28, at $8.50.

COPPER.—Business is active in ingot copper. The recent decline in prices appears to have greatly stimulated the consumptive demand. Business in sheet copper is fair. The London market is slightly lower and the New York market is

dull. We quote ingot unchanged at $15 per 100 lb.

BRASS.—Business is quiet. Discount 15 per cent.

PIG LEAD. There is more inquiry for pig lead, but the orders are small. We quote: Pig lead at $3.50 to $3.75, and bar lead at $5.

IRON PIPE. Business is fairly active and quotations are as given last week. We quote per 100 ft.: ⅜ in., $3; ¼ in., $2.50; ½ in., $2.70; ¾ in., $3; ¾ in., $3.70; 1 in., $5.25; 1¼ in., $7.10; 1½ in., $8.90; 2 in., $12.40. Galvanized, 1 in., $7.25. Trade discount 4 per cent.

ZINC SPELTER. Some business in a jobbing way has been done during the past week. We quote $5.50 to $6 per 100 lb.

ZINC SHEET. Orders, while numerous, are for small lots. We quote: $6 to $6.25 in casks and $6.25 to $6.50 in part casks.

SOLDER. The demand is fairly active. We quote: Half-and-half, guaranteed, 19c.; do. commercial, 18½c.; refined, 18c.; wiping, 17½c.

ANTIMONY.—Trade is fair. We quote 10c. per lb. for Cookson's.

PAINTS AND OILS.

The market for turpentine is strong with an upward tendency, owing to the recent advance in the Southern States, but prices in Toronto have not yet been changed. The demand is fair for raw and boiled linseed oil and the prices are steady. White leads, ground in oil, continue active. About three quarters of the trade is being done in the pure white leads and the balance in the inferior grades. Dry colors are selling more freely. Jobbers this week are busy shipping orders they received during the winter and report that this year business is ahead of the same time last year. We quote:

WHITE LEAD.—Ex-Toronto, pure white lead, $5.87½; No. 1, $5.50; No. 2, $5.12½; No. 3, $4.75; No. 4, $4.37½ in pkgs. of 25-lb. and upwards; ½c. per lb. extra will be charged for 12½-lb. pkgs.; genuine dry white lead in casks, $5.12½.

RED LEAD.—Genuine, in casks of 560 lb., $5.12½; ditto, in kegs of 100 lb., $5.50; No. 1, in casks of 560 lb., $4; ditto, kegs of 100 lb., $4.50.

LITHARGE.—Genuine, 6 to 6½c.

ORANGE MINERAL.—Genuine, 7½ to 8c.

WHITE ZINC.—Genuine, French V.M., in casks, $6 to $6.25; Lehigh, in casks, $6.00.

BENZINE.—In barrel lots, 16½c. per gal.; less quantities, 25c. per gal.

PARIS WHITE.—90c. to $1 per 100 lb.

WHITING.—65c. per 100 lb.; Gilders' whiting, 80c.

GUM SHELLAC.—In cases, 35c.; in less than cases, 40c. per lb.

LIQUID SHELLAC.—Pure orange, in bbls., $2.25 to $2.35; white, $2.35 to $2.45 per gal.; in less quantities 10c. extra.

PUTTY.—Bladders, in bbls., $2.25; bladders, in 100-lb. kegs, $2.40; bulk in bbls., $1.90; bulk, less than bbls. and up to 100 lb., $2.05; bladders, bulk or tins, less than 100 lb., $2.90.

PLASTER PARIS.—New Brunswick, $1.90 per bbl.

PUMICE STONE.—Powdered, $2.50 per cwt. in bbls., and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in bbls.

LIQUID PAINTS.—Pure, $1.20 to $1.30 per gal.

CASTOR OIL.—English, in cases, 9½ to 10c. per lb. and 10 to 10½c. for single tins.

LINSEED OIL.—Raw, 1 to 4 bbls, 82c.; boiled, 85c.; 5 to 9 bbls., raw 81c.; boiled, 84c.; delivered. To Toronto, Hamilton and London, 2c. less.

TURPENTINE.—Single bbls., 68c.; 2 to 4 bbls., 67c. delivered. Toronto, Hamilton and London, 1c. less. For less quantities than barrels, 5c. per gallon extra will be added, and for 5-gallon packages, 50c., and 10-gallon packages, 80c. will be charged.

GLASS.

There is a good import demand and the market is steady. The local trade is improving. Our quotations are now as follows: Under 26 in., $4.25; 26 to 40 in., $4.65; 41 to 50 in., $5.; 51 to 60 in., $5.35; 61 to 70 in., $5.75; 71 to 80 in., $6.25; 81 to 85 in., $7; 86 to 90 in., $7.75. Toronto, Hamilton and London. Terms, 4 months, or 3 per cent. 30 days. Discount off pane price list, 33 1-3 per cent.

PETROLEUM.

The demand is moderate and prices are firm. We quote: Pratt's astral, 16½ to 17c. in bulk (barrels, extra); American water white, 17 to 17½c. in bbls; Photogene, 16½ to 17c.; Sarnia water white, 16 to 16½c. in bbls.; Sarnia prime white, 14½ to 15c. in bbls.

NOTES.

Barn door hinges are 25c. dearer.

The chain manufacturers have advanced their prices $2 per ton.

NOVA SCOTIA MARKETS.

Halifax, March 18, 1902.

THE general state of trade in hardware is considered by the dealers to be good, and spring activity has commenced much earlier than usual, there being every sign that a large amount of business will be done during the next few months. The orders coming in, and the general reports from the various sections of the Province are encouraging in all lines of the trade.

* * *

Prices remain practically unchanged, but a feeling prevails that such firmness will be followed by advances in many directions. The manufacturers are rushed to fill orders. In fact, some of the manufacturers are said to have so many orders booked that they refuse to accept more for any definite period of delivery. The same trouble was experienced by the dealers here last season to some extent, which seriously interfered with their trade. An easier feeling in the iron and steel markets would be hailed with delight.

* * *

Linseed oil and turpentine remain firm at the late advances, and the reports from the source of supply do not encourage any early reduction in either commodity this season. The cotton market also being very high has had an effect on canvas, cordage and twines, which are very firm with some late advances. Last week twines advanced ½c., and British manila cordage, which lately advanced slightly, has had another advance, and is now quoted at 14½c.

* * *

In most lines the hardware stocks are fully equipped, and are being augumented by arrivals by every incoming steamer.

* * *

The fire at Messrs Crowell Bros., though only lasting a few minutes, did a tremendous amount of damage. The stock was valued in the vicinity of $40,000 with $25,000 insurance. The insurance adjusters were at work last week and awarded the firm $17,500, which is divided among twelve insnrance companies, as follows: Insurance Co. of North America, $2,240; British American and Aetna, $2,100 each; S. U. & National, Quebec, and Anglo-American, $1,750 each; Phoenix, of Brooklyn, $1,540; Acadia, $1,400; Western, $840; Phoenix, of Hartford, and N. B. Mercantile, $700 each; L. L. and Globe, $630. With the assistance of other firms Crowell Bros. were able to fill all their orders promptly. No doubt a large part of their stock will have to be disposed of at auction, being damaged by water.

R. C. H.

APOLLO BEST BLOOM
GALVANIZED IRON

What are you in business for?

That's what Apollo galvanized iron is for.

American Sheet Steel Company, New York

Representatives for Canada
B. & S. H. Thompson & Company
33 St. Sulpice Street
Montreal

WILLIAM ABBOTT,

13 St. John Street,

Telephone Main 4552. MONTREAL

Representing manufacturers of **IRON AND STEEL MATERIAL FOR ALL STRUCTURAL AND MECHANICAL PURPOSES,** comprising Iron and Steel Bars, Beams and Sections, Rails, Plates and Sheets, Steel and Iron Boiler Tubes, Pipes, etc.

CAST STEEL of all descriptions, for High Speed Lathe Tools, Dies, Drills, Reamers, Chisels, Punches, etc.

GALVANIZED SHEETS, PLAIN AND CORRUGATED
TELEPHONE WIRE, HIGH CONDUCTIVITY COPPER WIRE, CRUCIBLE STEEL WIRE, ETC.
COLD ROLLED STEEL SHAFTING.
RAILWAY APPLIANCES AND SPECIALTIES.

Orders are Solicited for Importation.

COPPER

SHEETS—Soft and Cold Rolled
RODS, BARS, BOLTS
TUBES—Seamless Drawn
BRAZIERS' RIVETS

YELLOW METAL SHEATHING
BOLTS, BARS, NAILS

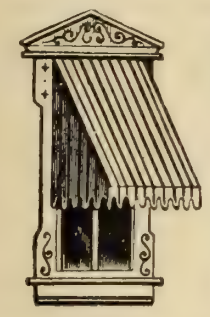
BRASS -

TUBES—Seamless Drawn
RODS
CONDENSER TUBES

MANGANESE BRONZE RODS, SHEETS, PLATES

H. W. DeCOURTENAY & CO.
86 and 88 McGILL STREET, - - - MONTREAL

TENTS



AWNINGS
FLAGS

WATERPROOF HORSE AND WAGON COVERS,
MEN'S BLACK OILED CLOTHING.
Write for Catalogue.

ROBT. SOPER, - HAMILTON, CAN.

If You Want

ICE CREAM FREEZERS
WIRE FENCING
GALVANIZED BARB WIRE
SEWING MACHINES

OR ANYTHING IN

Shelf and Heavy Hardware

it will pay you to secure our prices. We guarantee the right goods and right prices. Orders filled promptly. Mail orders receive prompt attention.

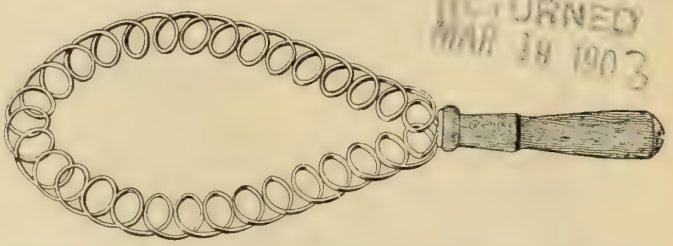
THE **LETANG HARDWARE CO.,** Limited
St. Paul Street, MONTREAL.

ADAM HOPE & CO.

Pig Tin
Copper
Casting and Lake
Copper Sheets
Pig Lead
Spelter
Antimony

30 John Street, - HAMILTON.

HERE'S A SELLER FOR YOU!



RUG, CUSHION AND CLOTHES WHIP.
Made of flat galvanized steel.
Makes the dust fly. Doesn't injure the fabric.

BESTYET FLEXIBLE WIRE DOOR MATS.



Self-Cleaning, Ornamental, Rolls Up, Lies Flat.

MANUFACTURED BY
The GEO. B. MEADOWS, Toronto,
Wire, Iron & Brass Works Company, Limited,
117 KING ST. WEST TORONTO.

SOMETHING NEW

Caldwell Lightning Auger Bits.



Patented May 21, 1901.

This bit will bore two holes in less time than it takes to bore one with any other bit.

AGENTS:

Caverhill, Learmont & Co., - - - - Montreal.
Wood, Vallance & Co., - - - - - Hamilton.
Geo. D. Wood & Co., - - - - - Winnipeg.

CURRENT MARKET QUOTATIONS.

March 21, 1902.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag and Straits—56 and 28 lb. ingots, 100 lb.	29 00 30 00

Tinplates.

	Per box
Charcoal Plates—Bright	
M.L.S., equal to Bradley	
I.C., usua zes	$6 75
I.X., "	8 25
I.X.X., "	9 75
Famous, equal to Bradley—	
I.C.	6 75
I.X	8 25
I.X.X	9 75
Raven & Vulture Grades—	
I.C., usual sizes	5 00
I.X., "	6 00
I.X.X "	7 00
I.XXX., "	8 00
D.C., 12½x17	4 50
D.X.	5 25
D.X.X	6 00
Coke Plates—Bright	
Bessemer Steel—	
I.C., usual sizes	4 25
I.C., special sizes, base	4 75
20 x 28	9 00
Charcoal Plates—Terne	
Dean or J. G. Grade—	
I.C., 20x28, 112 sheets	8 50
I.X., Terne Tin	10 50
Charcoal Tin Boiler Plates	
Cookley Grade—	Per lb.
X X., 14x56, 50 sheet bxs / " 14x60, " / " 14x65, "	0 06½
Tinned Sheets	
72x30 up to 24 gauge	0 07½
" 26 "	0 08

Iron and Steel.

Common Bar, per 100 lbs	1 95 2 05
Refined "	2 45
Horse Shoe Iron "	2 40
Hoop steel, 1½ to 3 in. base,	2 90
Sleigh Shoe Steel " base	2 10
Tire Steel	2 30 2 50
Reeled Machinery	3 00
Toe Calk Steel	2 85 3 00
T. Firth & Co's tool steel, per lb	0 12½ 0 13
Jessop's tool Steel	0 14
Morton's tool steel	0 12½ 0 13
Black Diamond and "B.C." tool steel	0 10 0 11
Chas. Leonard's tool steel	0 08 0 09
Drill Steel, per lb	0 08 0 10

Boiler Tubes.

1½-inch	0 12½
"	0 13
2½ "	0 15
3 "	0 16
3½ "	0 20
4 "	0 25

Steel Boiler Plate.

¼ inch	2 50 2 60
3-16 inch	2 60 2 70
⅜ inch and thicker	2 50 2 60

Black Sheets.

	Com.	D.Fl.
18 gauge	2 85	3 00
20 gauge	2 85	3 00
22 to 24 "	2 95	3 25
26 "	3 05	3 50
28 "	3 15	....

Canada Plates.

All dull, 52 sheets	3 00
Half polished	3 10
All bright	3 75

Iron Pipe.

Black pipe—	Per 100 Feet.
⅛ inch	3 00
¼ "	2 50
⅜ "	2 75
½ "	3 00
¾ "	3 70
1 "	5 25
1¼ "	7 40
1½ "	8 90
2 "	12 40
2½ "	24 00
3 "	28 00
3½ "	36 00
4 "	43 00
4½ "	50 00
5 "	57 00
6 "	73 00
Galvanized pipe—	
¼ inch	3 30
⅜ "	3 55
½ "	4 00
¾ "	5 25
1 "	7 25
1¼ "	10 10
1½ "	12 15
2 "	16 70

Discount 4 per cent.
Malleable Fittings—Discount 40 p.c.

Galvanized Sheets.

	G C. Comet.	Amer.	Queen's Head.
16 gauge	....	....	....
18 to 24 gauge	4 05 3 75	....	4 05
26 "	4 25 4 00	....	4 25
28 "	4 50 4 25	....	4 50

Less than case lots 10 to 15c. extra.
28 gauge American equals 26 gauge English.

Chain.

Proof Coil, 3-16 in., per 100 lb	....	....
" ¼ " "	7 85	8 10
" 5-16 " "	4 95	5 25
" ⅜ " "	4 35	4 60
" 7-16 " "	4 15	4 40
" ½ " "	4 00	4 25
" 9-16 " "	3 90	4 15
" ⅝ " "	3 80	4 05
" ¾ " "	3 85	4 10

Halter kennel and post chains, 40 to 40 and 5 p.c.
Cow ties ..... 40 p.c.
Tie-out chains ..... 65 p.c.
Stall fixtures ..... 35 p.c.
Trace chain ..... 45 p.c.
Jack chain, iron, single and double, discount 35 p.c.
Jack chain, brass single and double, discount 40 p.c.

Copper.

	Ingot	Per 100 lb.
English B.S., ton lots	....	15 00
Lake Superior	....	....
Bars.		
Cut lengths round, ½ to ⅞ in.	23 00	25 00
" round and square 1 to 2 inches	23 00	25 00
Sheet.		
Plain, 14 oz., and light, 16 oz., 14x48 and 14x60	22 00	22 50
Plain, 14 oz., and light, 16 oz., irregular sizes	22 50	23 00
Tinned copper sheets	....	24 00
Planished	....	32 00
Braziers (In sheets.)		
4x6ft. 25 to 30 lbs. ea., per lb.	....	0 23
" 35 to 45 " "	....	0 22
" 50-lb. and above, "	....	0 21
Boiler and T. K. Pitts		
Plain Tinned, per lb	....	0 28
Spun, per lb	....	0 32

Copper Ware.

Discount, 50 per cent.

Brass.

Rod and Sheet, 14 to 30 gauge, 15 per cent.	
Sheets, hard-rolled, 2x4	0 23
Tubing, base per lb	0 23½

Zinc Spelter

Foreign, per lb	5 50 6 00
Domestic "	

Zinc Sheet.

5-cwt. casks	6 00 6 25
Part casks	6 25 6 50

Lead.

Imported Pig, per 100 lb	3 50 3 75
Bar, b	0 05
Sheets, 2½ lbs. sq. ft., by	0 06¼
Sheets, 3 to 6 lbs., "	0 06

NOTE.—Cut sheets ½ cent per lb. extra.
Pipe, by the roll, usual weights per yard, lists at 7c. per lb. and 35 p.c. dis. f.o.b. Toronto.
NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths lists at 7½ cents.

Shot.

Common, $6.50 per 100 lb.; chilled, $7.00 per 100 lb.; buck, seal and ball, $7.50. Discount, 22½ p.c. Prices are f.o.b. Toronto, Hamilton, Montreal, St. John and Halifax. Terms 3 per cent. cash, freights equalized.

Soil Pipe and Fittings.

Discount, 60 and 10 per cent. on medium and extra heavy, and 60 per cent. on light.

Solder.

	Per lb.	Per lb.
Bar half-and-half, guarant'd	0 19	
Bar half-and-half, commer'l	0 18½	
Refined	0 18	
Wiping	0 17½	

Antimony.

Cookson's, per lb	0 10

White Lead.

	Per 100 lb.
Pure	5 87½
No. 1	5 50
No. 2	5 12½
No. 3	4 75
No. 4	4 37½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B.B. Genuine	7 00
" " No. 1	6 00

Red Lead.

Genuine, 560 lb. casks, per cwt.	$4 75
Genuine, 100 lb. kegs, per cwt.	5 00
No. 1, 560 lb. casks, per cwt.	4 25
No. 1, lb. kegs, per cwt	4 50

White Zinc.

Extra Red Seal	0 06 0 08
No. 1	0 05½ 0 07
No. 2	0 05 0 06

Dry White Lead.

Pure, casks	5 25
Pure, kegs	5 50
No. 1, casks	5 00
No. 1, kegs	5 25

Prepared Paints

In ¼, ½ and 1 gallon tins.

Pure, per gallon	1 25
Second qualities, per gallon	1 10
Barn (in bbls.)	0 60 0 90
The Sherwin-Williams Paints	1 40
Canada Paint Co's Pure	1 25
Toronto Lead & Color Co's Pure	1 25
Sanderson Pearcy's Pure	1 20
Stewart & Wood's Champion Pure	1 20

Colors in Oil.

25 lb. tins, Standard Quality.

Venetian Red, per lb	0 04½ 0 06
Chrome Yellow	0 12 0 14
Golden Ochre	0 08 0 10
French "	0 06
Marine Black	0 09
Chrome Green	0 10
French Imperial Green	0 12
Sign Writers' Black	0 16
Burnt Umber	0 11
" Sienna	0 11
Raw Umber	0 11
" Sienna	0 11

Colors, Dry.

Common Ochre bbls	1 20 1 30
Yellow Ochre J.F.L.S.), bbls	2 00
Yellow Ochre (La Belle)	1 15 1 25
Brussels Ochre	2 00
Venetian Red (best). bbl	1 75 2 00
English Oxides, per cwt	3 00 3 25
American Oxides, bbls	1 25 2 00
Canadian Oxides, bbls	1 25 1 75
Super Magnetic Oxides, 93p.c.	2 00 2 25
Burnt Sienna, pure, per lb	0 10
" Umber, " "	0 10
Raw do	0 09
Drop Black, pure	0 09
Chrome Yellows, pure	0 18
Chrome Greens, pure, per lb.	0 19 0 10
Golden Ochre	0 04 0 05
Ultramarine Blue in 28-lb. boxes, per lb	0 06 0 18
Fire Proof Mineral, per 100 lb	1 00
Genuine Eng. Litharge, per lb	0 07
Mortar Color, per 100 lb	1 25 1 50
Pure Indian Red, No. 45 lb.	0 18 0 10
Whiting, bbl	0 55 0 60
English Vermillion in 30-lb. bags.	0 95

Paris Green.

	per lb.
Petroleum Casks	.....
Arsenic Kegs	....
50-lb. and 100-lb. drums	....
25-lb. drums	...
1-lb packages	....
½-lb. do	.....
1-lb. tins	.....
½-lb do	....

F.O.B. Toronto. Terms—3 p.c. off 30 days, or 4 mos. from date of delivery.

Blue Stone.

Casks, for spraying, per lb	0 07
100-lb. lots, do. per lb	0 08

Putty.

Bulk in bbls.,	1 90
Bulk in less quantity	2 05
Bladders in bbls	2 25
Bladders in kegs, boxes or loose	2 40
Bladders in 25-lb. tins	2 35
Bladders in 12½-lb. tins	2 65
Bladders in bulk or tins less than 100 lb	2 90

Varnishes.

In 5-gal. lots.	Per Gal. net.
Carriage, No. 1	1 50 1 60
Pale Durable body	4 10 4 25
" rubbing	2 85 3 00
Gold Size, Japan	2 85 3 00
No. 1 Brown Japan	0 85
Elastic Oak	1 50
Furniture, extra	1 25
" No. 1	0 85
Hard Oil Finish	1 65 1 75
Light Oil Finish	1 40 1 60
Demar	1 70 1 80
Shellac, white	2 3 2 45
" orange	2 25 2 35
Turpentine Brown Japan	1 25
" Black Japan	0 85 0 90
" No. 1.	0 70 0 75

Elastilite Varnish 1 gal. can, each, $3.00.
Granitine Floor Finish per gal., $2.75.
Maple Leaf Coach Enamels; Size 1, $1 20 Size 2, 70c.; Size 3, 40c. each.

Castor Oil.

East India, in cases, per lb	0 09½ 0 10
" " small lots	0 10 0 10½

Cod Oil, Etc.

Cod Oil per gal	0 50 0 55
Pure Olive	1 20
" Neatsfoot	90

Glue.

Common	0 08½ 0 09
French Medal	0 14 0 14½
Cabinet sheet	0 12 0 13
White, extra	0 18 0 20
Gelatine	0 22 0 30
Strip	0 18 0 20
Coopers	0 19 0 20
Huttner	0 18

JOSEPH RODGERS & SONS Limited

SHEFFIELD, ENGLAND.

Each blade of our Goods bears the exact mark here represented.

REGISTERED TRADE MARK. CRANTED 1682

JAMES HUTTON & CO., MONTREAL SOLE AGENTS IN CANADA.

HARDWARE.

Ammunition.

Cartridges.

B. B Caps Dom. 50 and 5 per cent.
Rim Fire Pistol, dis. 40 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Central Fire Pistol and Rifle, 10 p.c. Amer.
Central Fire Cartridges, pistol sizes Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 per cent.
Central Fire, Military and Sporting, Amer. add 5 p.c. to list. B.B. Caps, discount 40 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 10 p.c. advance on list.
Brass Shot Shells, 55 per cent.
Primers, Dom., 30 per cent.; American, $1.60.

Wads	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb. bags	70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	

Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 20 per cent.

Anvils.

Wright's, 80-lb. and over	0 10¾
Hay Budden, 80-lb. and over	0 09¼
Brook's, " " "	0 11¼

Augers.

Gilmour's, discount 65 and 5 p.c. off list.

Axes.

Chopping Axes		
Single bit, per doz	5 50	10 00
Double bit, "	11 00	18 00
Bench Axes, 40 p.c.		
Broad Axes, 25 per cent.		
Hunters' Axes	5 50	6 00
Boy's Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Axle Grease.

Ordinary, per gross	5 75	6 00
Best quality	13 00	15 00

Bath Tubs.

Zinc	6 00
Copper, discount 15 p.c. off revised list	

Baths.

Standard Enameled.

5½-inch rolled rim, 1st quality	25 00
" " " 2nd "	21 00

Anti-Friction Metal.

"Tandem" A per lb.	0 27
" B "	0 21
" C "	0 11½
Magnolia Anti-Friction Metal, per lb	0 25
Frictionless metal, per lb	0 23

SYRACUSE SMELTING WORKS.

Aluminum, genuine	0 41
Dynamo	0 27
Special	0 22
Aluminum, 99 p.c. pure "Syracuse"	0 45

Bells.

Hand

Brass, 60 per cent.
Nickel, 55 per cent

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Door.

Gongs, Sargant's	5 50	8 00
" Peterboro', discount 45 per cent		

Farm.

American, each	1 25	3 00

House.

American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00
Blacksmiths', discount 40 per cent.		

Belting.

Extra, 60 per cent.
Standard, 60 and 10 per cent.
No. 1, not wider than 6 in., 60 10 and 10 p.c.
Agricultural, not wider than 4 in., 75 p.c.

Bits.

Auger.

Gilmour's, discount 60 and 5 per cent.
Rockford, 50 and 10 per cent.
Jennings' Gen., net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind and Bed Staples.

All sizes, per lb. 0 07¾ 0 12

Bolts and Nuts.

	Per cent.
Carriage Bolts, common ($1 list)	55
" " full square ($2.40 list)	55
" " Norway iron ($3 list)	50
Machine Bolts, all sizes	50 and 5
Plough Bolts	50 and 5
Blank Bolts	50 and 5
Bolt Ends	50 and 5
Sleigh Shoe Bolts	65 and 5
Coach Screws, cone point	60
Nuts, square, all sizes, 3½c. per lb. off.	
Nuts, hexagon, all sizes, 3¾c. per lb. off.	
Stove rods, per lb. 5½ to 6c.	
Nuts, in 50 lb. lots ¼c. per lb extra in less than 50 lb. lots, ½c. extra.	

Boot Calks.

Small and medium, ball, per M	4 25
Small heel, per M	4 50

Bright Wire Goods.

Discount 62½ per cent

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent

Henis, No. 8		6 00
Henis, No. 9, "		7 00
Queen City "	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Butcher Knives.

Bailey's, per doz	0 60	6 30

Building Paper, Etc.

Tarred felt, per 100 lb	1 70
Ready roofing, 2-ply, not under 45 lb. per roll	85
Ready roofing, 3-ply, not under 65 lb. per roll	1 10
Carpet felt, per ton	45 00
Dry sheathing, per roll, 400 sq. ft.	30
Tar sheathing, " " "	40
Dry fibre " " "	50
Tarred fibre, " " "	60
O.K. & I.X.L., " " "	65
Resin-sized, " " "	40
Oiled sheathing, " 600 "	1 10
" " " 400 "	70
Roof coating in barrels, per gal	17
" " small packages	25
Refined tar, per barrel	4 50
Coal tar, "	4 00
Coal tar, less than barrels, per gal	15
Roofing pitch, per 100 lb	85

Bull Rings.

Copper, $2.00 for 2½ in. and $1.90 for 2 in.

Butts.

Wrought Brass net revised list

Cast Iron.

Loose Pin, dis., 60 per cent.

Wrought Steel

Fast Joint, dis. 65, 10 and 2½ per cent.
Loose Pin, dis. 65, 10 and 2½ per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.

Gen. Bronzed, per pair	0 40	0 65

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	....

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	8 50	9 50

Cement.

Canadian Portland	1 90	2 75
English "	3 00	3 15
Belgian "	2 50	2 75
Canadian hydraulic	1 25	1 50

Chalk.

Carpenters Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 70 per cent.
Warnock's, dis. 70 per cent.
P. S. & W. Extra 60, 10 and 5 p.c.

Churns.

Revolving Churns, metal frames—No. 0, $8—No. 1, $8.50—No. 2, $9.00—No. 3, $10.00—No. 4, $12.00—No. 5, $16.00 each. Ditto, wood frames—20c. each less than above.
Discounts: Delivered from factories, 56 p.c.; from stock in Montreal, 54 p.c.
Terms, 4 months or 3 p.c. cash in 30 days

Clips.

Axle dis. 65 per cent.

Closets.

	Net.
Plain York or Ontario Syphon Jet.	$9 60
Emb. York or Ontario Syphon Jet.	10 20
Fittings	1 00
Plain Elgin or Teu. Syphon Washout	6 00
Emb. Elgin or Teu. Syphon Washout	6 60
Fittings	1 25
Low Down Elgin or Teutonic, plain	9 60
" " " " emb.	10 20
Plain Richelieu	4 00
Emb. Richelieu	4 25
Connections	1 25
Low Down Ont. Sy. Jet, plain	11 70
" " " " emb'd.	12 30
Closet connection	1 25
Basins P.O., 14 in.	0 70
" oval, 17 x 14 in.	1 50
" " 19 x 15 in.	2 25

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Conductor Pipe.

Plain or Corrugated.

2-inch, per 100 feet	3 00
3 " "	4 00
4 " "	5 25
5 " "	6 75
6 " "	9 00

Cradles, Grain.

Canadian, dis. 25 to 33⅓ per cent.

Crosscut Saw Handles.

S. & D., No. 3, per pair	17½
" " 5, "	22½
" 6, "	15
Boynto pattern "	20

Door Springs.

Torrey's Rod, per doz (15 p.c.)	2 00
Coil, per doz	1 60
English, per doz	4 00

Draw Knives.

Coach and Wagon, dis. 50 and 10 per cent
Carpenters, dis. 70 per cent.

Drills.

Hand and Breast

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis., 37½ to 40 per cent.
Standard dis. 50 and 5 to 55 per cent.

Faucets.

Common, cork-lined, dis. 35 per cent.

ELBOWS. (Stovepipe.) per doz.

5 and 6-inch, common	1 20
7-inch	1 35

Polished, 15c. per doz. extra.

ESCUTCHEONS.

Discount, 45 per cent.

ESCUTCHEON PINS.

Iron, discount 40 per cent.

FACTORY MILK CANS.

Discount off revised list, 40 per cent.

FILES AND RASPS.

Great Western	70 and 10 per cent.
Arcade	70 " 10 "
Kearney & Foot	70 " 10 "
Disston's	70 " 10 "
American	70 " 10 "
J. Barton Smith	70 " 10 "
McClellan	70 " 10 "
Eagle	70 " 10 "
Nicholson, 60 and 10 to 60, 10 and 5	"
Royal	60 "
Globe	70 to 75 "

Black Diamond, 60 and 10 to 60, 10 and 5 p.c.
Jowitt's, English list, 25 to 27½ per cent.
Nicholson File Co.'s "Simplicity" file handle per gross, 85c. to $1.50.

GLASS—Window—Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	D. Diamond Per 50 ft.	D. Diamond Per 100 ft
Under 26	2 20	4 25	....	6 25
26 to 40	2 40	4 65	....	8 75
41 to 50	....	5 10	....	7 50
51 to 60	....	5 35	....	8 50
61 to 70	....	5 75	....	9 75
71 to 80	....	6 25	....	11 00
81 to 85	....	7 00	....	12 55
86 to 90	....	7 75	..	15 00
91 to 95	..	....	...	17 50
96 to 100	.. ..	....	.. ..	20 50
101 to 105	....	....	....	24 00
106 to 110	....	....	....	27 50

GAUGES

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's, Nos. 26 to 33, each	1 65	2 40

HALTERS.

Rope, ⅜ per gross	....
" ½ "	.... 9 00
" ⅝ to ¾ "	.... 14 00
Leather, 1 in., per doz	3 87½ 4 00
" 1¼ in., "	5 15 5 20
Web, — per doz	1 87 2 45

HAMMERS.

Nail

Maydole's, dis. 5 to 10 per cent 25 to 27½ per cent.	Can.	dis.

Tack.

Magnetic per doz	1 10	1 20

Sledge.

Canadian per lb	0 07½	0 08⅜

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz. net	1 50	2 00
Store door, per doz	1 00	1 50

Fork.

C. & B., dis. 40 per cent. rev. list.

Hoe.

C. & B., dis. 40 per cent. rev. ist.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 [illegible]	3 75

Hammer and Hatchet.

Canadian, 40 per cent.		

Cross-Cut Saws.

Canadian, per pair	0 13¾	

HANGERS.

	doz.	pairs.
Steel barn door	5 85	6 00
Stearns, 4 inch	....	5 00
" 5 inch	....	6 50
Lane's covered—		
No. 11, 5-ft. run	....	8 40
No. 11½, 10-ft. run	....	10 80
No. 12, 10-ft. run	....	12 60
No. 14, 15-ft. run	....	21 00
Lane's O.N.T. track, per foot	....	4½

HARVEST TOOLS

Discount, 60, 10 and 10 per cent.

HATCHETS

Canadian, dis. 40 to 42½ per cent.

Building Papers, Roofing Felts, Patent Wire Edged 2 and 3 Ply Ready Roofing.

We send out large quantities of samples and printed matter to the builders, in addition to advertising our ready roofing in the farming journals. In all cases we tell consumers they can buy our goods from their local hardware merchants. Wouldn't it be to your interest to place your orders with us?

THE PATERSON MFG. CO., Limited, TORONTO and MONTREAL.

HINGES.

Blind, Parker's, dis. 50 and 10 to 60 per cent.
Heavy T and strap, 4-in., per lb.... 0 06½
" " 5-in., " 0 06¼
" " 6-in., " 0 06
" " 8-in., " 0 05¾
" " 10-in., " 0 05½
Light T and strap, dis. 65 and 5 per cent.
Screw hook and hinge—
6 to 10 in., per 100 lbs.... .... 4 50
12 in. up, per 100 lbs..... .... 3 25
Per gro. pairs
Spring..... .... 12 00

HOES.

Garden, Mortar, etc., dis. 50 and 10p.c.
Planter, per doz..... 4 00 4 50

HOLLOW WARE

Discount,..... 45 and 5 per cent.

HOOKS.

Cast Iron.

Bird Cage, per doz.....	0 50	1 10
Clothes Line, per doz.....	0 27	0 63
Harness, per doz.....	0 72	0 88
Hat and Coat, per gross.....	1 00	3 00
Chandelier, per doz.....	0 50	1 00

Wrought Iron.
Wrought Hooks and Staples, Can dis. 47½ per cent.
Wire.
Hat and Coat, discount 45 per cent.
Belt, per 1,000 ..... 0 60
Screw, bright, dis. 55 per cent.

HORSE NAILS.

"O" brand 50 and 7½p.c. off new list } Oval-
"M" brand 50, 10 and 5 per cent. } head
Countersunk. 60 per cent

HORSESHOES.

Iron Shoes.	F.O.B. Montreal. No. 2 and larger.	No. 1. and smaller.
Light, medium and heavy...	3 50	3 75
Snow shoes.....	3 75	4 00
Steel Shoes.		
Light.....	3 60	3 85
Featherweight (all sizes).....	4 85	4 85

F.O.B. Toronto, Hamilton, London and Guelph, 10c. per keg additional.
Toe weight steel shoes..... 6 70

JAPANNED WARE.

Discount, 45 and 5 p.c. off list, June 1899.

ICE PICKS.

Star per doz..... 3 00 3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.
Copper, per lb..... 0 30 0 50
American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 45 p.c.
Cabinet, trunk, and padlock, Am. per gross 60

KNOBS.

Door, japanned and N.P., per doz.....	1 50	2 50
Bronze, Berlin, per doz.....	2 75	3 25
Bronze Genuine, per doz....	6 00	9 00
Shutter, porcelain, F. & L screw, per gross	1 30	4 00
White door knobs—per doz.		1 25

HAY KNIVES.

Discount, 50 and 10 per cent.

LAMP WICKS.

Discount, 60 per cent.

LANTERNS.

Cold Blast, per doz.....	7 00
No. 3 "Wright's".....	8 50
Ordinary, with O burner.....	4 00
Dashboard, cold blast.....	9 00
No. 0.....	5 75

Japanning, 50c. per doz. extra

LEMON SQUEEZERS.

Porcelain lined, ...per doz.	2 20	5 60
Galvanized.....	1 87	3 85
King, wood.....	2 75	2 90
King, glass.....	4 00	4 50
All glass.....	1 20	1 30

LINES.

Fish per gross.....	1 05	2 50
Chalk "	1 90	7 40

LOCKS.

Canadian, dis. 45 p.c.
Russel & Erwin, per doz.... 3 00 3 25
Cabinet.
Eagle, dis. 30 p.c.

Padlocks.

English and Am. per doz....	50	6 00
Scandinavian, "	1 00	2 40

Eagle, dis. 20 to 25 p.c.

MACHINE SCREWS. Iron and Brass.

Flat head discount 25 p.c
Round Head discount 20 p.c.

MALLETS.

Tinsmiths' per doz.....	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz..	3 85	5 00
Caulking each.....	60	2 00

MATTOCKS.

Canadian, per doz..... 5 50 6 50

MEAT CUTTERS.

American, dis. 25 to 30 p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are:	Cut.	Wire.
2 d and 3d	$3 35	$3 55
3 d	3 00	3 22
4 and 5d.....	2 75	3 05
6 and 7d.....	2 65	2 90
8 and 9d.....	2 50	2 70
10 and 12d.....	2 45	2 65
16 and 20d.....	2 40	2 60
30, 40, 50 and 60d. (base).....	2 35	2 55

Wire nails in carlots are $2 50
Galvanizing 2c. per lb. net extra.
Steel Cut Nails 10c. extra.
Miscellaneous wire nails, dis. 75 p.c.
Coopers' nails, dis. 30 per cent.
Flour barrel nails, dis. 25 per cent

NAIL PULLERS.

German and American.....	1 85 3 50

NAIL SETS.

Square round, and octagon per gross.....	3 38	4 00
Diamond.....	12 00	15 00

POULTRY NETTING.

2-in. Mesh, 19 w.g., dis. 60 p.c.
2-in. Mesh, 18 w.g. and heavier, 50 and 10 p.c.

OAKUM. Per 100 lb.

Navy.....	6 00
U.S. Navy.....	7 25

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal. per doz..... .... 10 00
Zinc and tin, dis. 50, 50 and 10.

Copper, per doz.....	1 25	3 50
Brass, "	1 50	3 50

Malleable, dis. 25 per cent.

GALVANIZED PAILS.

Dufferin pattern pails, dis. 45 p.c.
Flaring pattern, discount 45 per cent
Galvanized washtubs discount 45 per cent.

PIECED WARE.

Discount 40 per cent. off list, June, 1899.
10-qt. flaring sap buckets. dis. 40 p.c.
8, 10 and 14-qt. flaring pails, dis. 40 p.c.
Creamer cans, dis. 40 p.c.

PICKS.

Per doz..... 6 00 9 00

PICTURE NAILS.

Porcelain head, per gross...	1 75	3 00
Brass head "	0 40	1 00

PICTURE WIRE.

Tin and gilt, discount 75 p.c.

PINE TAR.

½ pint in tins, per gross..... 7 80
1 " " " 9 60

PLANES.

Wood, bench, Canadian dis. 40 per cent. American dis. 50.
Wood, fancy Canadian or American 7½ to 40 per cent.

PLANE IRONS.

English, per doz..... 2 00 5 00

PLIERS AND NIPPERS.

Button's Genuine per doz pairs, dis. 37½ 40 p.c.
Button's Imitation, per doz.. 5 00 9 00
German, per doz..... 0 60 2 60

PLUMBERS' BRASS GOODS.

Standard Compression work, dis. 60 p.c.
"J.M.T." Cushion work, dis. 50 p.c.
Fuller work, dis. 65 p.c.
6 doz. lots and over of the above, extra dis. 10 p.c.

Lever Handle Stops and Waste, discount, 60 p.c. With, in lots of 2 doz. and over, an extra dis. of 10 p.c.
"J.M.T." Globe, Angle and Check Valves, dis. 55 p.c.
Standard Globe, Angle and Check Valves, dis. 65 p.c.
"J.M.T." Radiator Valves, dis. 55 p.c.
Standard " " dis., 65 p.c.
Patent Quick Opening Valves, dis. 70 p.c.

No. 1 compression bath cock, net ..	2 00
No. 4 " " "	2 00
No. 7, Fuller's.....	2 50
No 4½, "	2 35
Patent Compression Cushion, basin cock, hot and cold, per doz.	15 00
Patent Compression Cushion, bath cock No. 2208	2 25

Square head brass cocks, 60 p.c.
" " iron " 60 p.c.
Globe Angle or check valves, 70 p.c
Competition Globe, Angle and Check Valves discount, 70 p.c.
Competition Quick Opening Radiator Valves, discount, 70 p.c.

PRESSED SPIKES.

Discount 75 per cent.

PULLEYS.

Hothouse, per doz.....	0 55	1 00
Axle	0 22	0 33
Screw.....	0 27	1 00
Awning.....	0 35	2 50

PUMPS.

Canadian cistern.....	1 80	3 60
Canadian pitcher spout....	1 40	2 10

PUNCHES.

Saddlers', per doz.....	1 00	1
Conductors' "	9 00	15 00
Tinners', solid per set.....	0 00	0 72
" hollow per inch	0 00	1 00

RANGE BOILERS Net.

Dominion, 30 gal.	5 75
Dominion, 35 "	6 75
" 40 "	7 75
Ronald's Galvanized 30 gallons	6 50
" " 35 "	7 50
" " 40 "	8 50
Copper, 30 gallons.....	20 00
" 35 "	23 20
" 40 "	26 40

RAKES.

Wood, 10 per cent.

RAZORS.

	per doz.
Elliot's	4 00 18 00
Geo. Butler & Co.'s,.....	4 00 18 00
Boker's	7 50 11 00
" King Cutter	12 50 50 00
Wade & Butcher's...	3 60 10 00
Theile & Quack's	7 00 12 00
Bailey's	6 00 12 00
Carbo Magnetic Razor	15 00
Griffon Barbers' Favorite.....	10 75
Griffon No. 65.....	13 0
Griffon Safety Razors	1 50
" Stropping Machines...	13 50

All other razors 50 p.c. off catalogue price.

REGISTERS.

Discount..... 40 per cent.

RIVETS AND BURRS.

Iron Rivets, black and tinned, discount 60 and 10 per cent.
Iron Burrs, 55 discount 55 per cent.
Extras on Iron Rivets in 1-lb. cartons ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons 1c per lb.
Copper Rivets with usual proportion burrs, 45 and 10 dis., cartons, 1c. per lb. extra, net.
Copper Burrs only, 30 and 10 p.c.
Extras on Tinned or Coppered Rivets ½-lb. cartons, 1c. per lb.

RIVET SETS

Canadian dis. 35 to 37½ per cent

ROPE ETC.

Sisal	12½
Pure Manilla.....	16
"British" Manilla.....	14
Cotton, 3-16 inch and larger	16
" 5-32 inch.....	21
" ⅛ inch.....	22
Russia Deep Sea	15
Jute	8
Lath Yarn	11

Sisal bed cord, 48 ft.....per doz.		65
" 60 ft..... "		80
" " 72 ft..... "		

RULES.

Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS. per set.

Mrs. Potts, No. 55, polished..	65
" No. 50, nickle-plated	75

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 5 per cent.
Emery, 40 per cent.
Garnet (Rurton's), 5 to 10 p.c. advance on list.

SAP SPOUTS.

Bronzed iron with hooks, per doz... 9 50

SAWS.

Hand Disston's, dis. 12½ p.c.
S. & D., 40 per cent.

Crosscut, Disston's, per ft....	35	0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.		
Hack, complete, each.....	0 75	2 75
" frame only.....		0 75

SASH WEIGHTS.

Sectional, per 100 lbs.....	2 25	2 50
Solid, "	1 75	2 00

SASH CORD.

Per lb..... 0 23 0 30

SAW SETS.

Lincoln and Wharting, per doz.....	4 75
Hand Sets, No. 1 Woodyatt (Morrill)	4 25
X-cut sets, No. 3 Woodyatt (Morrill)	9 50

SCALES.

Standard, 45 p.c.
Spring Balances, 10 p.c.
Fairbanks Standard, 35 p.c.
" Dominion, 55 p.c.
" Richelieu, 55 p.c.
Warren's new Standard 45 p.c.
" " Champion 65 p.c.

SCREW DRIVERS.

Sargent's per doz..... 0 65 1 00

SCREWS

Wood, F. H., bright and steel, 87½ and 10 p.c
Wood R. H., " dis. 82½ and 10 p.c.
" F. H., brass dis. 80 and 10 p.c.
Wood, R. H., " dis. 75 and 10 p.c.
" F.H., bronze, dis. 75 p.c.
" R.H. " 70 p.c.
Drive Screws, 87½ and 10 per cent.

Bench, wood, per doz.....	3 25	4 00
" iron, "	4 25	5 75

Set, Case hardened, 60 per cent.
Square Cap, 50 and 5 per cent.
Hexagon Cap, 45 per cent.

SCYTHES.

Per doz. net..... 9 00

SCYTHE SNATHS.

Canadian, dis. 45 p.c.

SHEARS.

Bailey Cutlery Co., full nickeled, dis. 60 and 2½ p.c.
Bailey Cutlery Japan handles, 67½ p.c
Seymour's, dis. 50 and 10 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SINKS.

Stee and galvanized, discoun 45 per cent.

SNAPS.

Harness, German, dis. 25 p.c.

Lock, Andrews'.....	4 50	11 50

SOLDERING IRONS.

1, 1½ lb., per lb.....	0 37
2 lb. or over, per lb.	0 34

SQUARES.

Iron, No. 493, per doz	2 40	2 55
" Mo. 494, "	3 25	3 40

Steel, dis. 60. 10 and 5 p.c.
Try and bevel, dis. 50 to 52½ p.c

STAMPED WARE.

Plain, dis. 75 and 12½ p.c. off revised list.
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized 3 50		00
Plain 3 25		3 75

Poultry netting staples, 40 per cent.

STANDARD CHAIN CO., PITTSBURGH, U. S. A.

MANUFACTURERS OF **CHAIN** OF ALL KINDS.

Proof Coil, B.B., B.B.B., Crane, Dredge Chain, Trace Chains, Cow Ties, etc.

ALEXANDER GIBB, Montreal. —Canadian Representatives— A. C. LESLIE & CO., Montreal.

For Provinces of Ontario and Quebec. For other Provinces.

STOCKS AND DIES.

American dis. 25 p.c.

STONE.	Per lb.	
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip,	0 09	0 09
Labrador	....	0 13
" Axe	....	0 15
Turkey	....	0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, 2 in, 40 to 200 lb, per ton	....	25 00
" under 40 lb. "	....	28 00
Grind. under 2 in. thick "	....	29 00

STOVE PIPES.

5 and 6 inch Per 100 lengths	....	7 00
7 inch " "	....	7 50

ENAMELINE STOVE POLISH.

No. 4—3 dozen in case, net cash	$4 80
No. 6—3 dozen in case, "	8 40

TACKS, BRADS, ETC.

Cheese-box tacks, blued .....80 & 12½
Trunk tacks, black and tinned 85
Carpet tacks, blued .....80 & 15
" " tinned .....80 & 20
" " (in kegs) 40
Cut tacks, blued, in dozens only ..80
" ¼ weights.....60
Swedes cut tacks, blued and tinned—
In bulk.....80 & 10
In dozens.....75
Swedes, upholsterers', bulk....85, 12½ & 12½
" brush, blued & tinned, bulk..70
" gimp, blued, tinned and japanned..... .....75 & 12½
Zinc tacks 35
Leather carpet tacks 55
Copper tacks 50
Copper nails 52½
Trunk nails, black.....65 and 5
Trunk nails, tinned.....65 and 10
Clout nails, blued .....65 and 5
Chair nails 35
Patent brads 40
Fine finishing..... 40
Lining tacks, in papers 10
Lining tacks, in bulk 15
" " solid heads, in bulk.... ... 75
Saddle nails in papers..... 10
" " in bulk..... 15
Tufting buttons, 22 line, in dozens only 60
Tin capped trunk nails..... 25
Zinc glazier's points..... 5
Double pointed tacks, papers.....90 and 10
" " " bulk 40

TAPE LINES.

English, ass skin, per doz....	2 75	5 00
English, Patent Leather....	5 50	9 75
Chesterman's each.....	0 90	2 85
" steel, each	0 80	8 00

TINNERS' SNIPS

Bailey's, dis. 25 p.c.

THERMOMETERS.

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TRAPS. (Steel.)

Game, Newhouse, dis. 25 p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's discount 10 per cent.

German, per doz.....	4 75	6 00

S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb.....	....	0 27
Wrapping, cotton, 3-ply.....		0 18½
" 4-ply.....	....	0 23½
Mattress, per lb.....	0 33	0 45
Staging, "	0 27	0 35

VISES.

Wright's	....	0 13½
Brook's	....	0 12¾
Pipe Vise, Hinge, No. 1.....	....	3 50
" " " No 2	....	5 50
Saw Vise	4 50	9 00

ENAMELLED WARE.

White, Princess, Turquoise, Blue and White, discount 50 per cent.
Diamond, Famous, Premier, 50 and 10 p.c.
Granite or Pearl, Imperial, Crescent, 50, 10 and 10 per cent.

WIRE.

SMOOTH STEEL WIRE.

No. 0-9 gauge		$2 60
10 "	6c.	extra
11 "	12c.	"
12 "	20c.	"
13 "	30	"
14 "	40c.	"
15 "	55c.	"
16 "	70c.	"

Add 60c. for coppering and $2 for tinning

Extras net per 100 lb. — Oiled wire 10c., spring wire $1.25, special hay baling wire 30c., best steel wire 75c., bright 8 ft drawn 15c., charcoal (extra quality) $1.25, packed in casks or cases 15c., bagging and papering 10c., 50 and 100-lb. bundles 10c., in 25-lb. bundles 15c., in 5 and 10-lb. bundles 25c., in 1-lb. hanks 50c., in ½-lb. hanks 75c., in ¼-lb. hanks $1.

Fine Steel Wire, dis. 22½ per cent. List of extras : In 100-lb. lots : No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, 7.65—No. 24, $8—No. 25, $9—No. 26 $9.50—No. 27, $10—No. 28, $11 No. 29. $12—No. 30, $13—No. 31, $14—No. 32 $15, No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31 $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles, 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.50 to $3.85—No. 9, $2.85 to $3.15—No. 10, $3.60 to $3.95—No. 11, $3.70 to $4.10—No. 12, $3 to $3.30—No. 13, $3.10 to $3.40—No. 14, $4.10 to $4.50—No. 15, $4.60 to $5.05—No. 16. $4.85 to $5.35. Base sizes, Nos. 6 to 9 $2.52½ f.o.b. Cleveland.
Clothes Line Wire, regular 7 strand No. 17, $4.65; No. 18, $2.90; No. 19, $2.60. Hollow 6 strand, No. 17, $4.30; No. 18. $2.70, No. 19, $2.35; No 20, $2.30, f.o.b. Hamilton, Toronto Montreal.

WIRE FENCING.

Galvanized barb	....	3 00
Galvanized, plain twist.....	....	3 00

Galvanized barb, f.o.b. Cleveland, $2.77½ in less than carlots, and $2.65 in carlots

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net.. 1 25

WASTE COTTON.

	per lb.
Colored.....	6
White	8

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 60 p.c.
Coe's Genuine, dis. 20 to 25 p.c.

Towers' Engineer, each.....	2 00	7 00
" S., per doz.....	5 80	6 00
G. & K.'s Pipe, per doz.....	....	3 40
Burrell's Pipe, each.....	....	3 00
Pocket, per doz.....	0 25	2 90

WRINGERS.

Leader..... per doz.	$30 00	33 00
Royal Canadian.. "	...	24 00
Royal American., "	....	24 00
Sampson..... "	....	24 00

Terms 4 months, or 3 p.c. 30 days.

WROUGHT IRON WASHERS.

Canadian make, discount, 40 per cent.

ADVERTISING in WESTERN CANADA

will be Carefully Efficiently, and Promptly attended to, by

The Roberts Advertising Agency,

WINNIPEG CANADA.

Returned to below address

Standard Paint & Varnish Works. Limited

Makers of High Grade Varnishes, Japans, Paints, Colors & Enamels.

Windsor, Ont.

March 31/02.

"PULLMAN"

TROUSER or SKIRT HANGERS.

TWO SIZES



PULLMAN SASH BALANCE CO.,

ROCHESTER, N.Y., U.S.A.

DIAMOND VISE AND DRILLING ATTACHMENT

U. S. Patent Jan. 15, '95. Canadian Patent July 22, '95.





JAWS are faced with steel ⅞ inch wide, 4 inches long, firmly fastened to jaw, checked and hardened. VISE weighs 38 pounds. DRILL weighs 13 pounds.

For Sale by Jobbers of Hardware.

Made by—
The Adams Company, Dubuque, Iowa, U.S.A.
Made by **A. R. Woodyatt & Co.**, Guelph, Ont.

TRADE

NOBLES & HOARE NH LONDON

MARK

Nobles & Hoare.

CORNWALL ROAD STAMFORD STREET.

LONDON, ENG.

Manufacturers of

HIGH-CLASS VARNISHES ONLY

Which can be obtained direct from the works or from the principal Color Dealers in Canada.

INDEX TO ADVERTISEMENTS.

A PAGE

Abbott, Wm. 161
Agent wanted 152
Acme Can Works 69
Adams Co., The 165
Alabastine Co., Limited, The 140
Allen, Geo. 141
American Shearer Mfg. Co 158
American Sheet Steel Co 160
American Steel and Wire Co 135
Anderson & Sons, W. H. 105, 143
Atlantic Refining Co. 56
Atlas Mfg. Co 143
Australasian Hardware and Machinery 28
Aylmer Iron Works Co., Limited 142

B

Bailey Cutlery Co., The Inside back cover
Batty Stove and Hardware Co Inside back cover
Bennett, J. S. 57
Black Diamond File Works Outside back cover
Bliss Mfg. Co., The R Inside back cover
Boker & Co., H. Outside front cover
Bowman Hardware & Coal Co., John 41
Bradstreets Inside back cover
Burman & Sons, Limited 31
Burrow, Stewart & Milne Co., Limited 1
Butler & Co., George 31

C

Caldwell's Auger Bits 162
Cameron-Dunn Mfg. Co 105
Canada Foundry Co 135
Canada Horse Nail Co 126
Canada Iron Furnace Co 149
Canada Paint Co., Limited 147, 153
Canada Paper Co., Limited Inside back cover
Canada Plate and Window Glass Co. 154
Canadian Hardware Co., Limited 47
Canadian Portland Cement Co., Limited 150
Canadian Rubber Co Inside back cover
Canada Screw Co. 37
Canadian Sewer Pipe Co., The 155
Canadian Wringer Co. 143
Cartland & Son, Limited, James 28
Cary Mfg. Co 151
Caverhill, Learmont & Co 85
Chown & Son, Edwin 117
Clare Bros. & Co 121
Cleland Bros. & Co 158
Columbian Hardware Co. 8
Consumers Cordage Co. 77, 93
Covert Mfg. Co. 158
Cowan & Britton 29
Croft & Sons, Wm 142
Crooks & Co., Robt. 10
Crosby & Co., G. A 149
Cumming Mfg. Co., Limited, P. R. 5
Cunningham, Jas. 141

D

Davidson Mfg. Co. Thos., Limited 80
De Courtenay & Co., H. W. 119, 150, 161
Dennis Wire & Iron Co. 51
Desbarats Advertising Agency 152
Deseronto Iron Co., Limited 155
Dods P. D. & Co. Inside front cover
Dominion Radiator Co., Limited Outside front cover
Dominion Wire Mfg. Co 74
Dowswell Mfg. Co. 73
Dowsley Spring & Axle Co. 122
Dovercourt Twine Mills 95
Dundas Axe Works 146
Durham Rubber Co., Limited 32
Dunlop Tire Co., Limited 152

E

Eclipse Office Furniture Co., Limited 29
Edinburgh Roperie & Sailcloth Co., Limited 69
Erie Specialty Co 28
Eureka Planter Co., Limited, The 105

F

Fairbanks Co., The 116
Findlay Bros. 85
Francis-Frost Co., Limited, The 62, 156
Frost Wire Fence Co 43

G PAGE

Gardner Bros. & Co. 10
General Fire Equipment Co. 139
Gibb Alex. 37, Inside back cover
Gibson W. J. 125
Greening Wire Co., B., The 71
Grey & Bruce Portland Cement Co. 146
Grose Walter 159
Guelph Axle Mfg. Co. 125
Guelph Acetylene Gas Co., Limited 29
Gurney Foundry Co., Limited 75
Gurney-Tilden Co. 15
Gutta Percha & Rubber Co. Outside back cover

H

Hamilton Bridge Works Co. 139
Hamilton Cotton Co. 36, 141
Hamilton Model Works 128
Hamilton Powder Co. Outside back cover
Hamilton Whip Co. 125
Hanson, J. H. 36
Harrington & Richardson Arms Co. 140
Heinisch's Sons Co., R. Inside back cover
Henderson & Potts 89
Henry, Knox 140
Hill, Wm. 36
Hollywood Paint Co., Limited 149
Hope & Co., Adam 155, 161
Howden & Co., D. H. 77
Howland, Sons & Co., H. S. 101
Hutton & Co., James 163
Hyde & Co., F. 155

I

Imperial Varnish & Color Co. 65, 66, 156
Independent Cordage Co. 140
International Mercantile Agency 139

J

Jardine & Co 149
Johnson's Arms & Cycle Works, Iver 136
Johnston, Richard, Chapham & Morris, Limited 28
Jolley & Sons, James 125
Jones Bros. 143, 150

K

Kemp Mfg. Co. 16
King & Son, Limited, Warden 120

L

Lamplough & McNaughton 81
Langwell's Babbit Front cover
Laurie Engine Co. 128
LePage Door Check Mfg. Co. 10
Leitch & Turnbull Co. 149
Leslie & Co., A. C. Outside front cover, 21, 155
Letang Hardware Co. 161
Lewis Bros. & Co. 3, 4, 27
Lewis & Son, Rice Inside front cover
London Fence Machine Co. 135
London Machine Tool Co. 128
London Scale Works 143
Lysaght, Limited, John 21

M

McArthur, Corneille & Co. 95
McCaskill, Dougall & Co. Outside back cover, 59
McClary Mfg. Co. 12, 90, 91
McDougall Co., R. 69, 155
McGregor, Banwell & Co. 141
McKinnon Dash & Metal Works Co., Limited 122
McNally & Co. 23
Macpherson & Son, A. 43
Maxwell & Sons, David 49
Meadows, Geo. B. 161
Meakins, Sons & Co. 142
Mechanics Supply Co 112
Menzie Mfg. Co. 9
Metal Shingle and Siding Co 6
Metallic Roofing Co. 157
Millen & Sons, John 111
Miller, Frank 141
Moore Co., D. 82
Montreal Rolling Mills Co. 103
Morrison Brass Mfg. Co., Limited, James 117
Morrow Machine Screw Co. 128, 159
Muralo 136

N

Nerlich & Co. 35
Newman & Sons, W. 158
Nobles & Hoare 165
North Bros. Mfg. Co. 2
Nova Scotia Steel & Coal Co 45, 155

O PAGE

Oakey & Sons, John 158
Oneida Community, Limited 122, 158
Ontario Farmers Cordage Co. 93
Ontario Lead and Wire Co. 119
Ontario Nut Works Inside back cover
Ontario Silver Co. Inside back cover, 87
Ontario Tack Co., Limited 31, 146
Ontario Wind Engine & Pump Co. 146
Ontario Wire Fencing Co. 36, 149
Ottawa Paint Works 143

P

Page Wire Fence Co., Limited 152
Parmenter & Bulloch Co. 23
Paterson Mfg. Co. 164
Pearcy & Co., Sanderson 98
Pease Furnace Co, J. F. 119
Philip, David 141
Phillips, Chas. D. Inside back cover
Pilkington Bros., Limited 135
Pillow & Hersey Mfg. Co. 106
Plymouth Binder Twine Agency 133
Pullman Sash Balance Co. 165

R

Ramsay & Son, A. 55
Roberts Advertising Agency 165
Robin Hood Powder Co. 155
Rochester Lamp Co. of Canada 43
Rudd & Co., Geo. A 125

S

Samuel, Benjamin & Co., M and L. Inside front cover
Scott, Frank H. 7
Seybold & Sons Co. 13
Shantz & Co., I. E. 154
Sherwin-Williams Co. 67
Silica Barytic Stone Co. 51
Simms & Co., Limited, T. S. 57
Smart Mfg. Co., Jas. 115
Soper, Robert 161
Spence & Co., R. 136
Squire, Watson & Co. 95
Standard Chain Co. 165
Standard Paint & Varnish Works Co., Ltd. 59, 165
Standard Silver Co. 39
Standard Tin Works 140
Stanyon Engineering Co. 128
Stauntons Limited 61
Stephens & Co., G. F. 146
Stevens Arms and Tool Co. 140
Stewart Mfg. Co., Limited Jas. 78
Syracuse Smelting Works. 25, 133

T

Thompson & Co., B. & S. H. Outside back cover
Tockwotton Co. 142
Toronto File Co. 136
Toronto Hardware Mfg. Co. 117
Toronto Lead & Color Co. 139
Toronto Plate Glass Importing Co. 63, 133
Toronto Silver Plate Co. 14
Tuerk Iron Works 131

U

United Factories, Limited 145
United Incandescent Light Co. 149

W

Warnock & Co., Jas. 143
Warren Scale Co. 109
Watson, Foster Co. 97
Weese & Co. 146
Westwood & Co., Limited, C. H. 87
Wheeler & Bain 87
White Mountain Freezer Co. 110
Windsor Awning and Tent Co. 51
Wood Art Glass Co. 57
Wood Bros. 134
Wood & Co., Geo. D. 9
Woodbridge & Co., T. 77
Wortman & Ward Mfg. Co. 152
Wright & Co., E. T. 11, 140

Y

York, F. A 140
Young Co., C. G. 146

Z

Zanzibar Paint Co. 52

NIXON AND WINTERBOTTOM, Ltd.

MANUFACTURERS

Registered Trade Mark

Registered Trade Mark

PYRAMID WORKS, SHEFFIELD, ENGLAND

ESTABLISHED 1861

TABLE CUTLERY
BUTCHERS' KNIVES & STEELS
FARRIERS' KNIVES

BREAD KNIVES
PUTTY, PALLETTE, SHOE &
POTATO KNIVES

TELEGRAMS
"PYRAMIDS, SHEFFIELD."



Case Carvers a Specialty

Canadian Agents:

MESSRS.
W. L. HALDIMAND
& SONS,
St. Dizer St.,
MONTREAL

1151 1232 1224 1222 1290 1294 1322

SHOULD A BUSINESS MAN RETIRE AT SIXTY?

THE newspapers discuss many subjects that are of more or less public or individual interest. Recently, quite a number of comments have been observed upon the question, "When a man is 60 years old, should he withdraw from business?"

The opinions of different individuals upon this subject have been sought. Among these is Mr. Henry Clews, the oldest broker in Wall Street, and who is the only man remaining in the street who has done business under his own sign for 43 years.

Mr. Clews, in a signed interview, says: "I think a man ought to retain an active interest in his business as long as his vitality holds out, no matter how old he is or how much money he has accumulated. It is dangerous to have nothing but time on your hands. My business is in such shape that I need not come to the office once a week, but I am here every day anyway, and I haven't the slightest intention of retiring."

Mr. Clews is considerably over 60, and, in a reminiscent way, he refers to several well-known men who have passed the 60 mile post.

Andrew Carnegie is one of these. He made the greatest success of his life after he was 60 years old, Mr. Clews says, and, in fact, after that time, as in less than two years he cleaned up $150,000,000, though, of course, he had laid the foundation for what resulted during many years prior to the time of his last great deal.

J. P. Morgan is another man instanced who is making the greatest of his successes just now, and he is a man more than 60, and it does not seem likely that he has any thought of retiring.

Russell Sage is another veteran business man who comes to his office every day and attends personally to every detail in his business,

Mr. Clews refers to these men as examples, very likely because they belong to his own business set, but their careers illustrate that a man is only in his prime ordinarily when he has reached the age of 60. As for Mr. Clews, he says: "I come to my office every day and can attend personally, if I wish, to the orders of more than 4,700 customers that I have on my books."

That although over 60 years of age, Mr. Clewes attributes the fact that he possesses this degree of vigor to his habit of life in having never indulged in violent physical exercise. This kind of exercise, "athletic" is the popular term for it, he regards as extremely harmful, believing that it is more injurious than beneficial, as almost always it is attended with over exertion, resulting in harmful results which, if not before, are shown late in life. The only exercise this man says that he has ever been known to take is walking, and that with a gentle pace, and not for a great distance. The result is that he is perfectly well and has always been so.

There are two rather interesting and significant features in the views above expressed, remarks a contemporary. On one hand there is sufficient confirmation of the fact that a man is, or ought to be, at his best when he has arrived at 60 years of age. In the next place, the views entertained in regard to the violent physical exercises that are thought necessary to the training of the coming man and the college man of to-day, the views expressed in the highest degree possess practical common sense. If a man is to live out his days retaining the vigor of his faculties, it is certain that he cannot afford to burn the candle at both ends.

IF THEY DID.

If some merchants appreciated the value of advertising as much as some politicians do, their business would prosper accordingly.—St. Louis Ad-Writer.

FILES MADE IN SHEFFIELD.

J. H. Bramwell & Co., file manufacturers, of Sheffield, England, are one of the oldest houses of that line in England, and have the reputation of being among the best manufacturers of files, butchers' carvers and table steels in the world.

The practical experience of the senior partner, Mr. J. H. Bramwell, gained by close application and perseverance during a period of over 40 years, enables him to discern and employ the skill possessed by workmen in the various branches of the trade, and combine it in the finished article.

This firm is looking for a first-class house in Canada to handle its lines, and is open to make liberal terms.

FOR BEGINNERS.

Don't engage in the mail-order business unless you intend to devote the proper amount of time and thought to it. In order to succeed you will have to always be ready to fill orders at any time in order that your customers may not be disappointed. Then there are the numberless little details of advertising, ordering stock, answering inquiries, etc., all of which take time and work. The mail-order business is no place for drones, and those who go into it thinking it an "easy snap" where they have only to do a little advertising and take money easily had better stick to their present job. In no business is prompt, honest activity in filling orders and attending to general details more important than in the mail-order business.—White's Sayings.

BLAST FURNACE CAPACITY IN THE UNITED STATES.

THE Iron Age says: "The many troubles which beset the blast furnace managers during the past month have considerably cut down the output of iron and have also delayed the starting of additional stacks which would otherwise have been added to the active list. On the other hand, however, consumption has also been checked from practically the same causes.

"The weekly capacity of the furnaces in blast on March 1 compares as follows with that of the preceding periods:

	Total capacity per week. Gross tons.	Coke capacity per week.	Charcoal capacity per week.
March 1, 1902	330,710	323,721	6,989
February 1	310,612	334,007	6,605
January 1	298,460	291,992	6,468
December 1, 1901	324,761	3 7,358	7,403
November 1	320,824	313,775	7,049
October 1	307,982	300,538	7,444
September 1	299,861	293,256	6,605
August 1	303,847	297,269	6,578
July 1	310,950	303,793	7,157
June 1	314,505	306,991	7,514
May 1	301,125	293,915	7,210
April 1	296,676	288,766	7,910
March 1	292,899	284,815	8,074

FURNACE STOCKS.

"The position of furnace stocks, sold and unsold, was as below on March 1, as compared with the five preceding months, the same furnaces being represented as in former months. This does not include the holdings of the steel works producing their own iron:

	Oct. 1.	Jan. 1.	Feb. 1.	March 1.
Anthracite and coke	299,824	179,993	121,762	96,315
Charcoal	61,769	38,091	32,438	29,030
Total	361,593	218,084	154,200	125,345

SHEEP SHEARS AND GARDEN SHEARS.

Burgon & Ball, of Sheffield, have just received word from a Mr. C. E. L—s, of Ahtanum, Washington, Yakima County, U.S.A., that he has shorn 3,654 sheep with one pair of their hand sheep shears.

This is indeed a remarkable record, of which any firm might well be proud. Our representative recently paid a visit to this firm and was shown over their extensive works, and a large place it was. Some 300 men were at work in the various departments turning out sheep shears, garden shears, shearing machines, farriers' knives, sickles and horse clippers.

This house was originally established in 1730, having now a reputation of the highest standing, which controls the shear market of Australia. Decatur, Bull & Co., Hospital street, Montreal, are the Canadian representatives.

BURGON & BALL, Ltd.

With whom is incorporated Burgon & Wilkinson, Ltd., late Wm. Wilkinson & Sons, Grimesthorpe.

ESTABLISHED 1730.

MANUFACTURERS OF

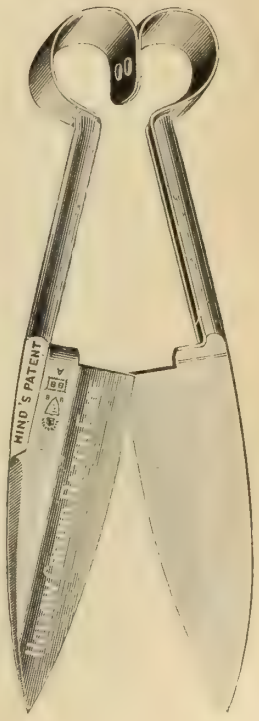
Sheep Shears, Garden Shears, Shearing Machines, Farriers' Knives, Sickles, Tinmen's Snips, Horse Clippers, Etc.

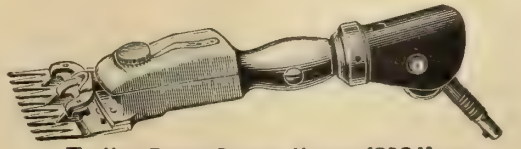


Our hand Sheep Shears to-day hold the World's Record. Mr. C. E. L——s, of Ahtanum, Wash., Yakima Co., U.S.A., has shorn 3,654 sheep with one pair of our Hollow-Ground Razor-Edge Shears.

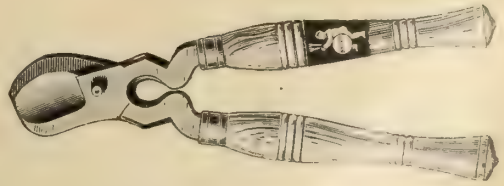
Our various lines are all manufactured from the finest quality of steel, and, therefore, give the greatest satisfaction in the matter of clean work and long wear.

In Australia we have thousands of our Shearing Machines at work, giving the best results of any machine on the market.





THE NEW BURGON SHEARIN MACHINE. 1899 MODEL.



La Plata Works, Malin Bridge, Sheffield, England.

CANADIAN REPRESENTATIVES:

DECATUR, BULL & CO., 30 Hospital St., MONTREAL.

J. H. BRAMWELL & CO.,

Manufacturer of every description of

FILES AND RASPS

of Superior Quality,

ENTIRELY HAND CUT;

ALSO,

Butchers', Carver and Table Steels,

CUT FINE, IMEDIUM OR COARSE,

ALSO,

Patent Knife and Scissors Sharpener,

A practical novelty which for family use is far ahead of the ordinary steels. A splendid line for live Canadian houses.

GARDEN STREET FILE WORKS,

SHEFFIELD.



Ontario Nut Works, Paris

BROWN & CO.

Manufacturers of

All sizes of Hot Pressed Nuts, Square and Hexagon.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker,

13 St. John Street, Montreal

Representing British and American Manufacturers. Correspondence invited from firms wishing to be represented in Canada.

"THE EMLYN" SAW BENCH

Made in 6 sizes. Best value obtainable. Specially designed for export With or without "Emlyn" Patent Guard. Sole maker—

CHARLES D. PHILLIPS,

Cables—"Machinery," Newport.

Emlyn Engineering Works, NEWPORT, MON., ENGLAND.

ONTARIO SILVER CO.,

Limited,

NIAGARA FALLS, CANADA.

Manufacturers of **FLATWARE, CUTLERY and ELECTRO PLATE.** . . .

Ask for our Catalogue and Quotations.

Quality good.

Weight full.

480 sheets to ream.

That's what can be said of wrapping papers that you buy from these mills. We measure up to expectations in every particular.

CANADA PAPER CO., Limited

TORONTO and MONTREAL

The Batty Stove & Hardware Co.

Successors to

The Toronto Branch of THE COPP BROS. CO., Limited.

Wholesale dealers in

MANTELS, GRATES, TILES, ETC.

HOT-AIR REGISTERS.

HOT-AIR DAMPERS.

STOVE AND FURNACE CEMENT: 3½ and 5-lb. Cans.

STOVE POLISH. STOVE REPAIRS.

THE BATTY STOVE & HARDWARE CO.

279 Queen West, TORONTO.

HAND-FORGED **HAND-GROUND**

RAZORS

NOT TOUCHED BY MACHINERY.



Fully Warranted.

Ask for Catalogue.

Made in Canada by

Manufacturers of Steel-Laid Shears and Scissors, Hand-Forged Butcher Knives and Tinners' Snips.

BAILEY CUTLERY CO., LIMITED

BRANTFORD, ONTARIO.

CHAS. F. CLARK, President. **JARED CHITTENDEN, Treasurer.**

...ESTABLISHED 1849...

BRADSTREET'S

Capital and Surplus, $1,500,000. **Offices Throughout the Civilized World.**

Executive Offices: Nos. 346 and 348 Broadway, New York City, U.S.A.

THE BRADSTREET COMPANY gathers information that reflects the financial condition and the controlling circumstances of every seeker of mercantile credit. Its business may be defined as of the merchants, by the merchants, for the merchants. In procuring, verifying and promulgating information, no effort is spared, and no reasonable expense considered too great, that the results may justify its claim as an authority on all matters affecting commercial affairs and mercantile credit. Its offices and connections have been steadily extended, and it furnishes information concerning mercantile persons throughout the civilized world.

Subscriptions are based on the service furnished, and are available only by reputable wholesale, jobbing and manufacturing concerns, and by responsible and worthy financial, fiduciary and business corporations. Specific terms may be obtained by addressing the Company at any of its offices. **Correspondence Invited.**

——OFFICES IN CANADA——

HALIFAX, N.S.	HAMILTON, ONT.	LONDON, ONT.	MONTREAL, QUE.
OTTAWA, ONT.	QUEBEC, QUE.	ST. JOHN, N.B.	TORONTO, ONT.
VANCOUVER, B.C.	VICTORIA, B.C.	WINNIPEG, MAN.	

THOS. C. IRVING, Gen. Man. Western Canada, Toronto. JOHN A. FULTON, Gen. Man. Eastern Canada, Montreal.

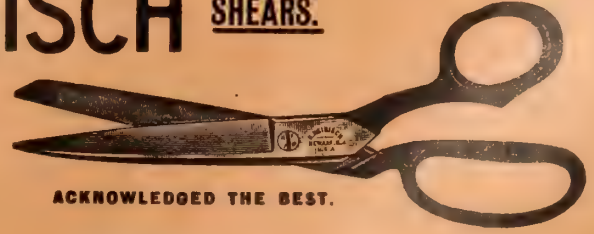


Canadian Representative: ALEXANDER GIBB, 13 St. John St., MONTREAL.

75 YEARS. ***ESTABLISHED 1825.*** ***75 YEARS.***

CELEBRATED # HEINISCH **SHEARS.**

Tailors' Shears,
Trimmers, Scissors,
Tinners' Snips, etc.



ACKNOWLEDGED THE BEST.

R. HEINISCH'S SONS CO.

NEW YORK OFFICE, 90 Chambers St. NEWARK, N.J., U.S.A.

Not connected with any Shear Combination.

Est. 1868 — Inc. 1895

Black Diamond File Works

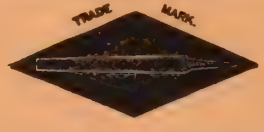
G. & H. Barnett Company

PHILADELPHIA

Twelve Medals



Awarded
By **JURORS** at
International Expositions
Special Prize
Gold Medal at Atlanta, 1895



RUBBER HOSE

FOR

Water	Air	Suction
Steam	Acids	Fire Protection
Gas	Brewers	Pneumatic Tools

SUPERIOR IN QUALITY.
SATISFACTORY IN SERVICE.

When you want anything made of rubber, write to us.

THE GUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

Head Office and Warerooms—
45-47-49 West Front St.

TORONTO,

Factories—115-165 West Lodge Ave.
124-148 O'Hara Ave.

CANADA.

We can quote lowest prices for the following goods in quantities, viz.:

BLACK STEEL SHEETS.
POLISHED STEEL SHEETS.
RANGE STEEL.
GALVANIZED SHEETS.
CANADA PLATES.
SHEET COPPER.
SHEET ZINC.
TIN PLATES—Coke and Charcoal.
WINDOW GLASS.
PLATE GLASS.
WHITE LEAD.
RED LEAD.

Send us your enquiries when next in the market.

B. & S. H. THOMPSON & CO.

53 St. Sulpice Street,

MONTREAL.

VARNISHES AND JAPANS

McCASKILL, DOUGALL & CO.

Manufacturers — MONTREAL



Standard Railway and Carriage Varnishes
Standard Boat and Spar Varnishes
—Wont turn white from the effects of water and sun.
Standard Piano, Furniture and Decorative Varnishes
Zanzerine Transparent Wood Finishes and Varnishes
Architectural Varnishes

OFFICES:

30 St. John St., MONTREAL.

161 Summer St., BOSTON, Mass., U.S.A

WE ARE PROUD

Of the patronage given us by the hardware trade during the past half century. Our constant endeavor will be to **make sparks fly from the anvil of commerce** for you and for ourselves.



Send us your large orders.
Send us your small orders.
Send us all your orders.

THE CANADIAN RUBBER CO.

Capital $1,500,000

MONTREAL TORONTO WINNIPEG

Manufacturers of Rubber Goods of all kinds.
Hose, Belting, Packing, Valves, Wringer Rolls, Rubber Aprons, Rubber Rugs, Rubber Bumpers, etc.



HAMILTON POWDER CO.

Office, 4 Hospital Street,

Montreal.

Magazines at

Windsor Mills.	Pt. Arthur.
Beloeil.	Rat Portage.
Montreal.	Winnipeg.
Ottawa.	Calgary.
Toronto.	Vancouver.
Hamilton.	Nelson.
London.	Victoria.
Sudbury.	Greenwood.

Don't pay for a fantastical name. Get practical worth by using
LANGWELL'S BABBIT
MONTREAL.

CANADIAN
HARDWARE
AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XIV. MONTREAL AND TORONTO, MARCH 29, 1902 NO. 13.

POCKET KNIVES
H. BOKER & COS
IMPROVED
TREE BRAND
TRADE MARK
RAZORS CUTLERY SCISSORS
FOR SALE BY LEADING WHOLESALE HARDWARE HOUSES.

GALVANIZED IRON
equal to "Queen's Head"
has not yet been discovered.
JOHN LYSAGHT, Limited, Makers, BRISTOL, ENG.
A. C. LESLIE & CO., MONTREAL, Managers Canadian Branch.

RETURNED JUL 16 1902

EXPERIENCE TEACHES



Simple
Compact
Reliable

The Evolution of the Radiator

Like all other inventions, the radiator of to-day is quite a different thing to what it was fifteen years ago. The "SAFFORD" marks the highest point yet attained. It combines in construction and decoration all useful and necessary points.

It is built without bolts or packing, the connection being made by screwed nipples. "SAFFORD" for hot water and steam heating.

If you have not our catalogue, write us.

THE DOMINION RADIATOR CO., Limited
Head Office and Works: DUFFERIN ST. TORONTO, CAN.

BICYCLE SUNDRIES

We have purchased several

Bankrupt Stocks and offer **Special Prices**

while they last on

TIRES, INNER TUBES, Etc.

RICE LEWIS & SON

LIMITED

Write for Catalogue.

TORONTO.

IRON PIPE

BLACK **GALVANIZED**

Write for Prices.

M. & L. SAMUEL, BENJAMIN & CO.

27 Wellington St. West, TORONTO, ONT.

English House: SAMUEL, SONS & BENJAMIN, 164 Fenchurch St., LONDON, E.C.

THEY'RE ALL ALIKE

THAT'S THE BEAUTY OF THE

CARBO MAGNETIC



No Saw Edges
No Soft Spots
No Temper Streaks
No Returned Blades to the Dealer
Will Shave for Years Without Requiring Honing

Sold by all Leading Jobbers.

FIRM OF

A. L. SILBERSTEIN

Mfrs of "Griffon" CUTLERY

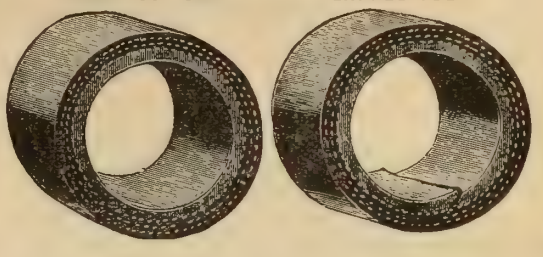
BOOKLET COMING— If you'll ask for a copy with trade discount.

459-461 Broadway, NEW YORK CITY.

GARDEN HOSE

Seamless Tube.

SEAMLESS TUBE LAPPED TUBE



All brands of our **GARDEN HOSE** are made with our

Patent Seamless Tube

WRITE FOR DISCOUNTS.

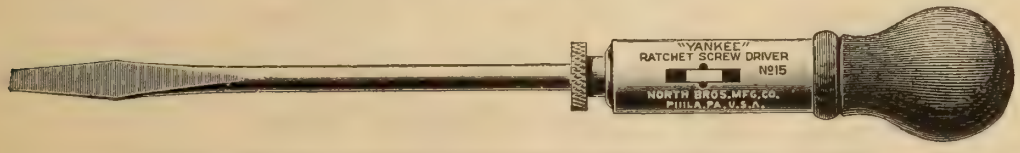
The Canadian Rubber Co.

MONTREAL TORONTO WINNIPEG

Other Tools are very good Tools, but

"YANKEE TOOLS"

ARE BETTER



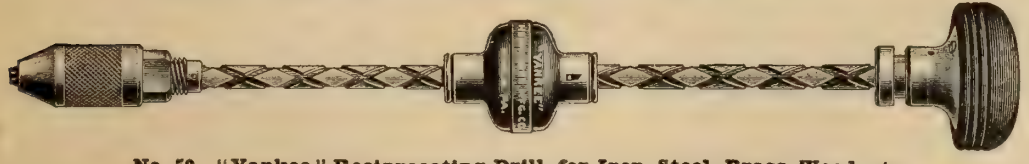
No. 15. "Yankee" Ratchet Screw Driver, with Finger Turn on Blade.



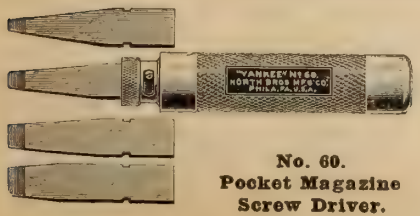
No. 30. "Yankee" Spiral-Ratchet Screw Driver, Right and Left Hand.



No. 41. "Yankee" Automatic Drill, Eight Drill Points in Handle.



No. 50. "Yankee" Reciprocating Drill, for Iron, Steel, Brass, Wood, etc.



No. 60. Pocket Magazine Screw Driver.

Our "YANKEE" Tool Book tells all about them. Mailed free on application. . . . . .

Manufacturers also of

LIGHTNING, GEM and BLIZZARD Ice Cream Freezers.

Toy Freezers, Ice Shaves and Ice Chippers.

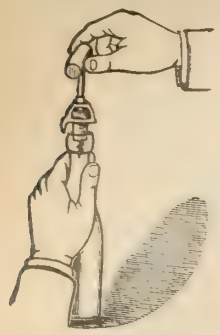
Fluting Machines, Hand Fluters.

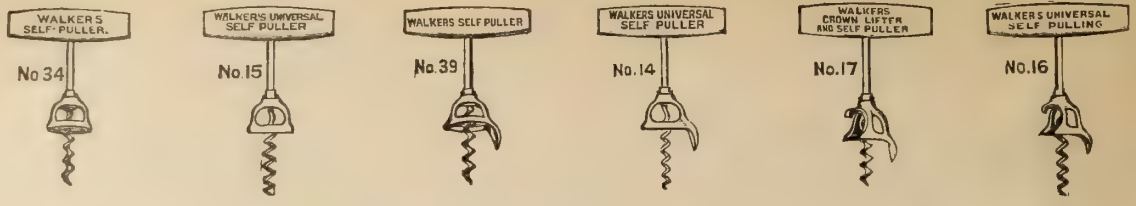
Sold by Leading Jobbers in Canada.

NORTH BROS. MFG. CO.,

Philadelphia, Pa., U.S.A.

See! You Don't Have to Pull. A Child Can Do It.



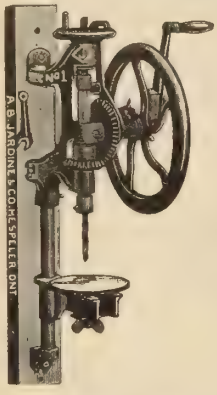


Walker's Self-Pulling Cork Screws

Made of Crucible Steel, Nickel Plated, Polished Apple Wood Handles.

EVERY ONE TESTED AND GUARANTEED. Several imitations on the market, but none as good.

Mfrd. only by **ERIE SPECIALTY CO., Erie, Pa., U.S.A.**

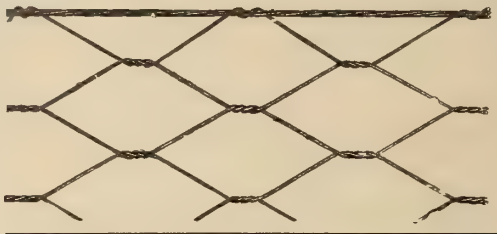


TRADE MARK J REGISTERED

Blacksmiths' Hand Drills.

The very best.

A. B. JARDINE & CO.
HESPELER, ONT.



First-class **FARM FENCING**

only 30 cents per ROD

For Sale by — With Discount to Dealers.

The Ontario Wire Fencing Co.,
PICTON, ONT. Limited.



G. A. Crosby & Co. of Ontario,

SARNIA, ONT. LIMITED

Manufacturers of

Patent Automatic Can Making Machinery, Presses, Dies and Special Machinery for Working Sheet Metal.

Lockerby & McComb

AGENTS IN CANADA

FOR THE

Celebrated P. & B. Cold Storage Lining

AND

. . Ruberoid Roofing . .

P. S.--Prices on Application.

65 Shannon Street, MONTREAL.

The Frost Wire Fence Company, Limited

WELLAND, ONT.

FACTORIES AT CLEVELAND, OHIO, AND WELLAND, ONT.

MAKERS OF **Frost Fencing, Frost Steel Gates, and Coiled Spring Wire.**

CLOSEST PRICES QUOTED ON APPLICATION.

DEALERS

Do you sell the "GLORIA" Light?

WHY NOT?

Our goods are the best—our prices are the lowest. Our "United Gloria" Triple Weave Mantle is the strongest and most brilliant mantle in the market. We manufacture it and know when we sell it it will bring repeat orders. We manufacture "United" Single Weave and Gasoline Mantles and carry a large stock of Burners, Chimneys, Bulb Globes, Fancy Etched and Ruby Globes.

SEND FOR PRICE LIST.

THE UNITED INCANDESCENT LIGHT CO.

Phone Main 969. **7 Yonge St. Arcade, Toronto.**

Telephone: MAIN 2927 — Cable Address: "TIMA"

The International Mercantile Agency

JANES BUILDING . . . **of TORONTO**

begs to announce to the Manufacturers and Merchants of Canada that they have the most effective system for collecting past due and old accounts in Canada, United States and Europe, without using offensive methods to debtors. Our reputation has been established by doing business on business principles, and prompt remittances, and we will be pleased to refer prospective clients to the hundreds of patrons we are doing business with.

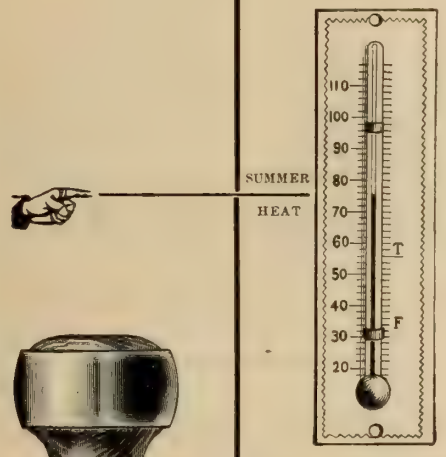
We will be pleased to quote our rates on application or send one of our representatives to call on you. Correspondence solicited.

THE INTERNATIONAL MERCANTILE AGENCY OF TORONTO

ICE CREAM FREEZERS AND ICE TOOLS ARE SOLD

APRIL	MAY	JUNE	JULY	AUG.	SEPT.
SEND	US	YOUR	ORDERS	EVERY	MONTH

A REMINDER

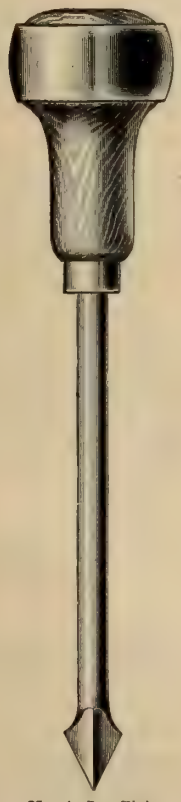


BUY YOUR FREEZERS NOW

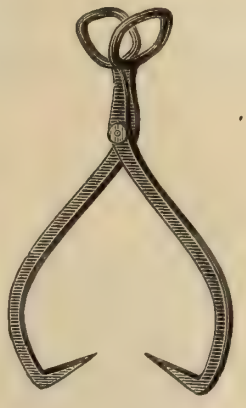


"Peerless" Freezers, in all sizes.

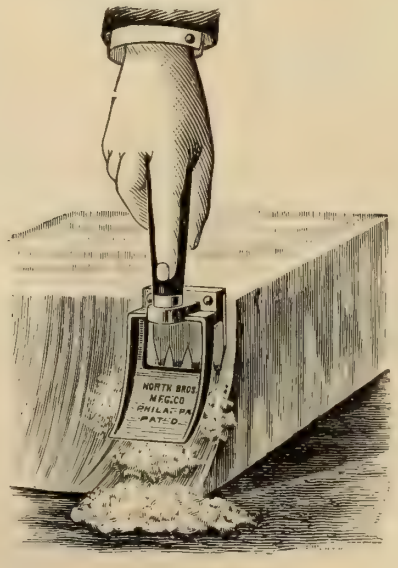
Mail to Montreal Office
Apl 7/02



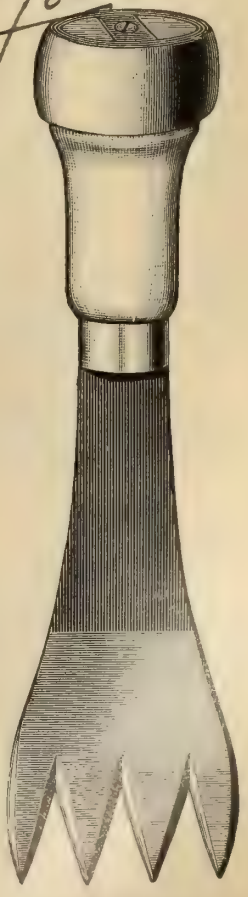
No. 4—Ice Pick.



No. 2—Ice Tongs.



"Crown" Ice Shaver.



No. 16—Ice Chisel.

LEWIS BROS. & CO.

MONTREAL.

TORONTO: 87 York St.

OTTAWA: 54 Queen St.

HENRY ROGERS, SONS & CO.,

SHEFFIELD, ENGLAND

Manufacturers of the celebrated



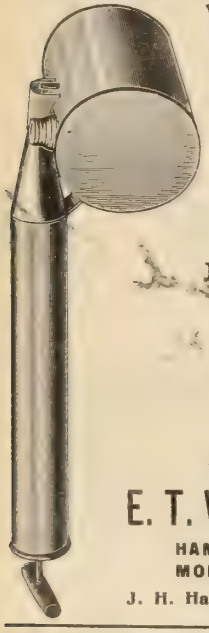
H R S&C°

BARB AND PLAIN GAL'D WIRE
TINPLATES
"ROGERS" COKES
"H. R. S. & CO.," CHARCOAL
CANADA PLATES
"H. R. S. & CO."

Canadian Office:

6 ST. SACRAMENT ST., MONTREAL

F. A. YORK, Manager.



WRIGHT'S Insect Sprayers

PLAIN TIN,
LACQUERED,
ALL BRASS.

"BEST ON EARTH."

Manufactured by

E. T. WRIGHT & CO.

HAMILTON, ONT., and
MONTREAL, QUE.

J. H. Hanson, Agent, Montreal.

KNOX HENRY

Heavy Hardware and Metal Broker
Room 32 Canada Life Bldg., MONTREAL.



Samples sent free on application.

HORSE NAILS—"C" Brand Horse-Nails
Canada Horse Nail Co.

"BRASSITE" GOODS — Gunn Castor Co.
Limited, Birmingham, Eng.

STANDARD TIN WORKS..

MANUFACTURERS OF

TINWARE AND TIN CANS

**Fruit Cans, Meat Cans, Jacketed Oil Cans,
Baking Powder Cans, Lard Pails, Etc.**

JAS. A. McGOLPIN

156-162 Duke Street, TORONTO

THE PROPRIETOR'S STORY.



ALABASTINE we have been selling nigh on to twenty years, and know it to be reliable.

We dealers also know that Alabastine is what is in demand, and that to sell anything else for coating walls, we would have to do so on the recommendation that it was the same thing, or just as good as **ALABASTINE.** Would not offer a substitute when Alabastine is called for; no necessity to do that, as it is easier to sell Alabastine, and in handling it we do not incur any risk on account of infringement of patents.

Alabastine is ready for use by the addition of Cold Water, made so by the inventor, Mr. M. B. Church, who was the first to produce a cold water preparation that is thoroughly practical, that has superseded all hot water mixtures, and forced other manufacturers to **UNDERTAKE** the use of the cold water process. Then, again, Alabastine is made in Canada, by Canadian labor and from Canadian materials. It satisfies my customers.

The trade supplied by Wholesale Hardware and Paint Dealers. Also by

THE ALABASTINE CO., LIMITED, PARIS, ONT.

STEVENS SINGLE BARREL SHOT GUN.

LATEST AND BEST SINGLE GUN ON THE MARKET.



MADE IN THREE STYLES THREE GAUGES UP-TO-DATE.

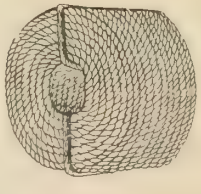
FINEST SINGLE GUN YET PRODUCED.

Our Goods are Handled by the Leading Jobbers.

J. Stevens Arms & Tool Co., P.O. Box 217 Chicopee Falls, Mass., U.S.A.

THE INDEPENDENT CORDAGE CO., Limited,

TORONTO.



Highest Award Pan-American Exposition.

MANUFACTURERS OF ALL KINDS OF

SISAL MANILA **ROPE,** Lath Yarn, Shingle Yarn, Hide Cord, Pulp Cord, Clothes Lines **BINDER TWINE**

Transmission Rope a Specialty.

H. & R. SINGLE GUN AUTOMATIC AND NON-EJECTING.

12 and 16 Gauges.
Steel and Twist Barrels.

Superior in Design, Workmanship and Finish, and the most popular Gun on the Market.

Simplest "Take Down" Gun Made.



HARRINGTON & RICHARDSON ARMS CO.
Also makers of H. & R. Revolvers,
Catalog on request. Worcester, Mass., U.S.A.

WINDOW GLASS—TO IMPORT.

Prompt Deliveries

EVERY KIND OF PLATE AND WINDOW GLASS IN STOCK.

BENT GLASS of all kinds, our own manufacture. **Closest Prices.**

TORONTO PLATE GLASS IMPORTING CO.,

Hill & Rutherford

Warerooms and Offices—135 to 143 Victoria St.
Bending Works—209 to 213 Victoria St.

TORONTO

Use Syracuse Babbitt Metal

IT IS THE BEST MADE.



For Paper and Pulp Mills, Saw and Wood Working Machinery, Cotton and Silk Mills, Dynamos, Marine Engines, and all kinds of Machinery Bearings.

Wire, Triangular and Bar Solder, Pig Tin, Lead, Ingot Copper, Ingot Brass, Antimony, Aluminum, Bismuth, Zinc Spelter, Phosphor Tin, Phosphor Bronze, Nickle, etc., always in stock.

CANADIAN WORKS, MONTREAL, P.Q.
AMERICAN " SYRACUSE, N.Y.

Syracuse Smelting Works



Steel Frame Churn.

DAVID MAXWELL & SONS

ST. MARYS, ONT., CANADA.

"Maxwell Favorite Churn"

PATENTED FEATURES: Improved Steel Stand, Roller Bearings, and Foot and Hand Lever Drive, and Detachable Driving Link. Improved for season of 1902. Steel or Wood Frame as desired.

Lawn Mowers. High and Low Wheels. from 12-in. to 20-in. widths. Cold Rolled Steel Shafting, Crucible Steel Knives and Cutting Plate.

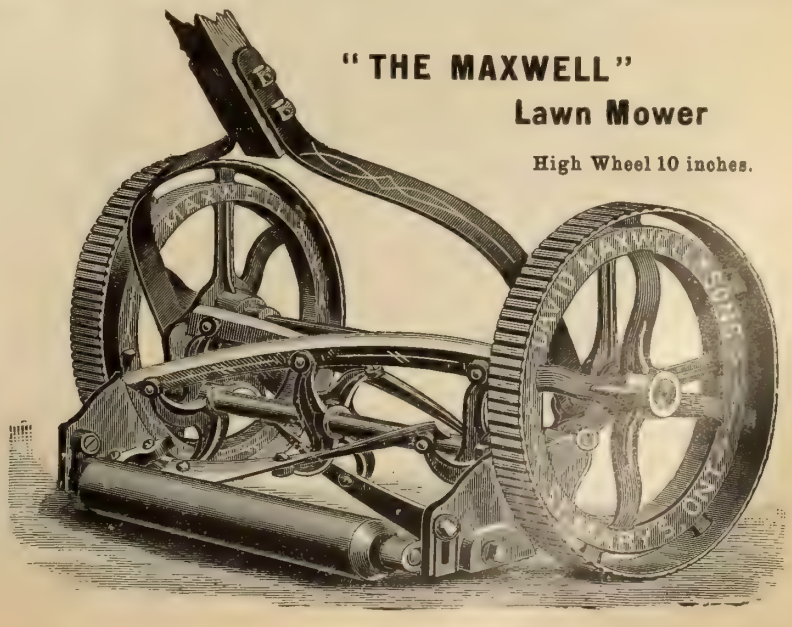
Wheelbarrows. In Four different Sizes.

If your Wholesale House does not offer you these articles

SEND DIRECT TO US.

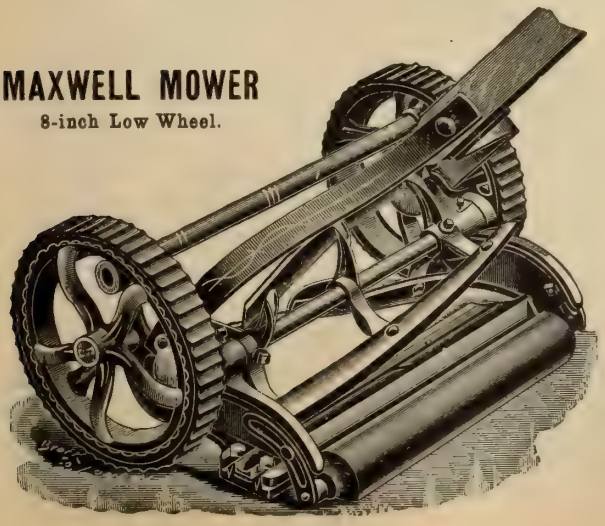
"THE MAXWELL" Lawn Mower

High Wheel 10 inches.



MAXWELL MOWER

8-inch Low Wheel.



The Best Selling Range Ever Made.

Popular with dealers in every part of the country because it is so enthusiastically praised by every buyer.

Our Imperial Oxford

has won its laurels—it is the favorite range of Canada—widely advertised and everywhere appreciated for its practical superiority.

Are you familiar with its
Diffusive Flue Construction
Front Draw-Out Grate
Draw-Out Oven Rack
and other talking points



If there's any range business in your locality you'll get it by handling the Imperial Oxford. Fullest details if you write

THE GURNEY FOUNDRY CO., Limited

TORONTO. WINNIPEG. VANCOUVER.

THE GURNEY-MASSEY CO., LIMITED, MONTREAL.



Australasian Hardware and Machinery.

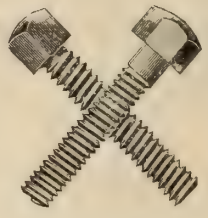
The Organ of the Hardware, Machinery and Kindred trades of the Antipodes.

SUBSCRIPTION $1.25 PER ANNUM,

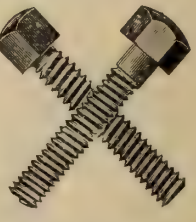
post free to any part of the world.

PUBLISHING OFFICES:
Melbourne - Fink's Buildings.
Sydney, - - - Post Office Chambers.
AMERICAN OFFICES:
New York, - Park Row Building.
BRITISH OFFICES:
London, - - - 42 Cannon St., E.C.

Specimen Copies on application.



Cap Screws
Set Screws



CANADA FOUNDRY COMPANY.
LIMITED.

MACHINE SCREW DEPARTMENT

HEAD OFFICE: TORONTO, ONT.

DISTRICT OFFICES:

MONTREAL, HALIFAX, WINNIPEG, VANCOUVER, OTTAWA, ROSSLAND, B.C.

MANUFACTURERS OF

Machine Screws,
Studs, Coupling Bolts,
Special Milled Work, etc.

SEND FOR PRICE LIST NO. 1001



COLD PRESSED
Square and Hexagon
NUTS



THE OSHAWA WIRE FENCE CO., LIMITED

OSHAWA, ONT.

Manufacturers of Woven Wire Fencing, Gates, Etc.

Also Dealers in Galvanized Fence Wire.

Agents Wanted.

Send for Catalogue and Prices.

There are twelve Axes that sell well in every dozen of

DUNDAS AXES

Wait for travellers with samples before placing your orders.



Dundas Axe Works, Dundas, Ont.

W. L. Haldimand, Jr., Montreal, Agent.

SOUTH AFRICAN MARKETS.

ROBERT CROOKS & CO.,

Stock Exchange Building, MONTREAL.

GENERAL IMPORTING AND EXPORTING MERCHANTS.

HAVE THEIR OWN OFFICES ESTABLISHED AT

CAPE TOWN, PORT ELIZABETH, DURBAN, JOHANNESBURG, } SOUTH AFRICA.

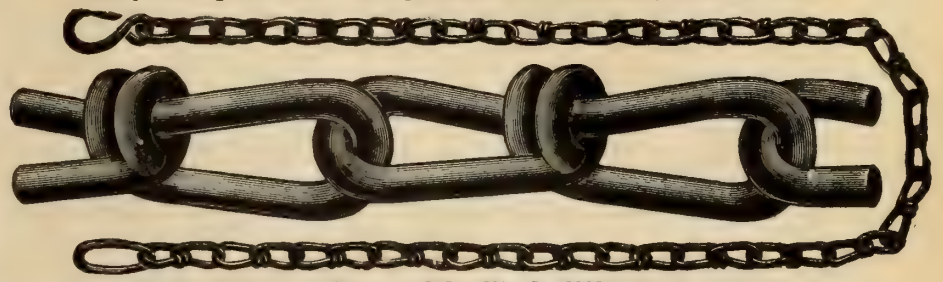
CORRESPONDENCE AND CONSIGNMENTS SOLICITED.

OFFICES ALSO AT

LIVERPOOL, LONDON, } England. NEW YORK, CHICAGO, } U.S.A.

IMPROVED STEEL WIRE TRACE CHAINS.

Every chain guaranteed. Most profitable and satisfactory chain to handle.



Improved Quality for 1902.

THE B. GREENING WIRE CO., LIMITED

HAMILTON, ONT., AND MONTREAL, QUE.

ESTABLISHED 1750

THE EDINBURGH ROPERIE & SAILCLOTH Co Ld

TELEGRAPHIC ADDRESS ROPERIE

LEITH SCOTLAND

MANUFACTURERS OF EVERY DESCRIPTION OF

CORDAGE & CANVAS









MANILA ROPE
SISAL ROPE
NEW ZEALAND ROPE
RUSSIAN ROPE
JUTE ROPE
FISHING LINES
NETTING TWINES
PARCEL TWINES
SPUNYARNS & PACKINGS
BAILING ROPES & CORDS

TRADE MARK E R Co 1750

SAILCLOTH
STEAMER CLOTHS
AWNINGS
TENT CLOTHS
DUCKS
PRESSING CLOTHS
TARPAULINGS
CHEMICAL WATERPROOF
SEAMING TWINES
ROPING TWINES



BUYERS OWN SAMPLES MATCHED AT LOWEST TRADE TERMS

ADDRESS ALL COMMUNICATIONS TO OUR CANADIAN OFFICE AND STORES,

THE EDINBURGH ROPERIE & SAILCLOTH CO'Y, Limited, - - 9 St. Peter Street, MONTREAL.

Locks and Builders' Hardware.

We have a most complete line of all these goods, including the very newest ideas in

Bronze and Brass Knobs, Door Sets and Escutcheons.

LOCKS AND LATCHES OF ALL KINDS.

Any dealer asking for a catalogue will be sent full prices, discount sheets, etc., etc. Drop a card.

ESTABLISHED 1843. INCORPORATED 1893.

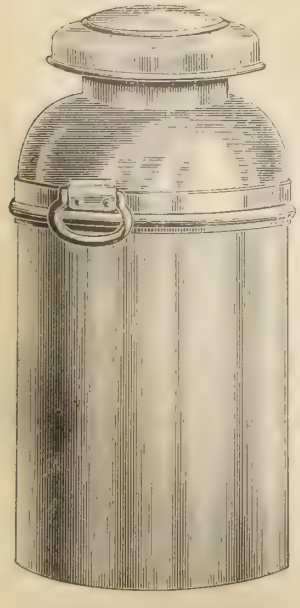
THE Gurney-Tilden Co., LIMITED

Hamilton. Toronto. Montreal.

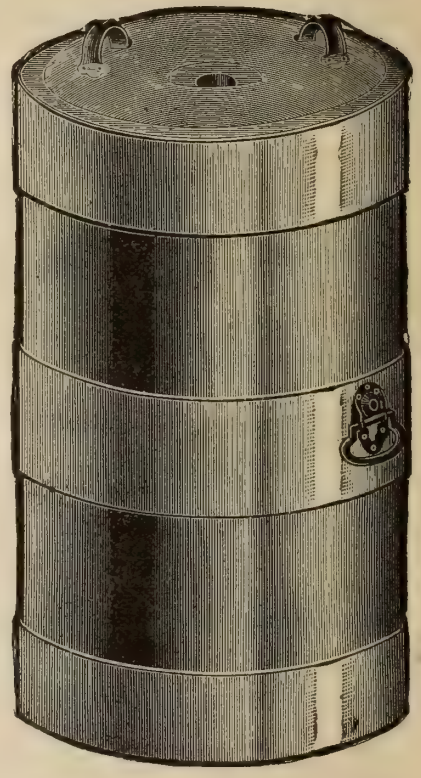
AGENCIES:—SAINT JOHN, N. B., VANCOUVER, B C.

ONE REASON WHY

Kemp's Broad Hoop Factory Milk Cans



are popular with the trade is on account of their durability. They are made by experienced workmen and are all supplied with our Roll Rim Bottom, which has a smooth edge and prevents the tearing of floors and wagons, so common with the ordinary bottom.



Our New Railroad MILK CANS

are well finished, heavy, and made to stand the rough usage which these cans are usually subjected to. We supply these in either the Roll Rim or the ordinary Hoop Bottom.

FOR PROMPT SHIPMENT WRITE TO

KEMP MANUFACTURING CO'Y, - - Toronto, Canada.

HARDWARE AND METAL

VOL. XIV. MONTREAL AND TORONTO, MARCH 29, 1902. NO. 13.

President:
JOHN BAYNE MacLEAN,
Montreal.

The MacLean Publishing Co.
Limited

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P.E. Island and Newfoundland.

OFFICES.

MONTREAL - - - - 232 McGill Street. Telephone 1255.
TORONTO - - - 10 Front Street East. Telephone 2701 and 2702.
LONDON, ENG. - - 109 Fleet Street, E.C. W. H, Miln.
MANCHESTER, ENG. - - 18 St. Ann Street. H. S. Ashburner.
WINNIPEG - - - Western Canada Block. J. J. Roberts.
VANCOUVER, B.C. - - - Flack Block. J. A. Macdonald.
ST. JOHN, N.B. - - No. 3 Market Wharf. J. Hunter White.
NEW YORK - Room 442 New York Life Bldg.

Subscription, Canada and United States, $2.00.
Great Britain and elsewhere - - 12s.
Published every Saturday.
Cable Address { Adscript, London. Adscript, Canada.

WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

IS SIR RICHARD AWAKE TO HIS DUTY?

THE speech of Sir Richard Cartwright the other day on the budget has attracted a great deal of attention throughout the country. It could scarcely have done otherwise. In point of ability it was one of the best speeches that has been delivered in the House for some time.

But what possibly attracted more attention to it than anything else was the energy and zeal that characterized it. "Richard is himself again," remarked one of the daily papers. And he certainly was.

We are certainly glad to see Sir Richard himself again. Since he took possession of the Trade and Commerce Department in 1896 he has seldom been his old active self. Instead of being a man of action, as was his normal condition prior to that year, he became a man of inaction. And the Department of which he is the head became almost a sinecure. Its chief duty appears to be the payment of subsidies and bonuses. As a trade-creating force it is certainly a sinecure.

The Department, in salaries, stationery and sundries, costs the country about $21,500, and it expends something like $670,000 besides, of which only $7,604 is for the maintenance of commercial agencies. It surely costs enough to do something tangible for the commercial interests of the country. Because it has not done something, a strong opinion has developed among the uncommercial classes of Canada that the Trade and Commerce Department should be abolished.

As we have pointed out before, the fault is not with the Department itself. It is with those who administer it. It is not, therefore, the Department that should be abolished.

In commercial affairs it is not customary for shareholders to wipe out an important department because the head thereof has been incapable. They remove the head and endeavor to put new life into the department. This is what should be done in regard to the Trade and Commerce Department.

It is possible it may not be necessary to remove Sir Richard. He may have woke up at last to a sense of his duty. Candidly, however, we must confess that our faith is weak. We fear that his recently awakened energy and zeal are due to concern for his economical tenets and that he is still dead to the importance of the Trade and Commerce Department as a force in developing the commercial interests of the Dominion.

The success of a business depends upon the ability and enterprise that succor it.

SHARP ADVANCES IN TURPENTINE.

THE turpentine market has been attracting more than usual attention during the past week or ten days. This is due to the sharp advances in Savannah, where prices have been going up nearly 1c. per day.

Up to Wednesday, the Savannah market was 6c. higher than seven or eight days before.

The Oil, Paint and Drug Review, Chicogo, in its issue of March 19, when quotations were 6c. lower than now, declared that the advance, which had already then taken place, was "based on conditions which made higher prices inevitable." The New York Journal of Commerce, of March 27 last, says, however, that the market is also being manipulated by a couple of strong interests and that sales are actually being made in Savannah at figures considerably below the public quotations.

In sympathy with the primary market, prices have been advanced 8c. per gallon in Montreal and Toronto, and a further advance is expected before this issue is in the hands of our readers.

OUR TRADE RELATIONS WITH GERMANY.

IT is to be hoped that the efforts of the Dominion Government to secure better trade relations with Germany will not prove abortive.

Canada, in inducing the British Government to give notice of the abrogation of the commercial treaty with Germany, was actuated by no antipathy towards that country. Canada wanted to give the products of Great Britain preferential tariff treatment. This, with the treaty with Germany and Belgium in existence, she could not do, although the treaty was created before the Dominion had an existence. This was simply intolerable to Canada, and had been for several years.

Possessing self government and the right —which we took advantage of—to place an import duty on the products of the Mother Country, we could not, nevertheless, give her products preferential treatment.

The price we have had to pay for this is the maximum tariff of Germany ; and while this has in some respects adversely affected our trade with that country, there are few, if any, Canadians who would be prepared to recall the past, with its restrictions, in order that the tariff conditions as they were before 1897 might be brought into existence again.

However, it is possible we may be able to successfully negotiate a commercial treaty with Germany, as we did eight years ago with France.

The British Government came in for some severe criticism from a number of British newspapers for not insisting, when negotiating the treaty with Germany that succeeded that abrogated in 1897, that the maximum tariff should not be applied to Canada. We do not know whether or not the British Government made any representations to Germany in the matter. But, no doubt, Canada would have its good offices and influence in negotiating a treaty with the German Empire.

In spite, however, of a tariff that militates against Canadian products, our export trade with Germany has not, on the whole, suffered to the extent one might have expected, for, whereas in 1897 it was valued at $764,589, in 1901 it was $1,374,716.

The following table gives the course of the export trade in home products with Germany in each alternate year since 1897, in the different branches of industry :

	1897.	1899.	1901.
Mine	$ 69,373	$ 15,074	$300,516
Fisheries	22,758	42,442	75,038
Forest	8,584	32,604	16,999
Animals and their produce	21,521	80,437	8,452
Agricult'l products	494,822	829,817	300,285
Manufactures	147,531	309,999	673,426
	$764,589	$1,310,373	$1,374,716

It will be noticed at a glance that where the trade has been adverse is in products of the farm. The following table shows how the trade stood in 1897 and 1901 in the chief lines of agricultural products :

EXPORTS OF AGRICULTURAL PRODUCTS TO GERMANY.

	1897. Bush.	1901. Bush.
Buckwheat	283,087	100,722
Oats	344,544	.....
Peas, whole	78,692	60,351
" split	.....	11,773
Rye	17,158	23,791
Wheat	20,559	28,369
Clover seed	5,848	9,071

The large increase in the exports of mine products is chiefly in metallic lead, in which in 1897 the trade was nil. The chief exports in mine products during the two years were as follows :

EXPORTS OF THE MINE TO GERMANY.

	1897. Tons.	1901. Tons.
Asbestos, 3rd class	672	1,574
Coal	460	854
Lead, metallic, contained in ore, etc	....	5,308,700
Mica	....	700

The most satisfactory feature of our export trade with Germany is that in manufactured goods. In almost every line there has been a steady growth since 1897. This will be seen on glancing over the following table :

VALUE OF MANUFACTURED EXPORTS TO GERMANY.

	1897.	1901.
Agricultural implements	$67,815	$474,249
Bicycles	14,287	.....
Drugs and chemicals	17	8,836
Cotton waste	.....	23,309
India rubber manufactures	350	2,015
Castings	23,787	33,589
Pig iron	640	7,500
Machinery	2,059	2,917
Hardware	612	355
Steel, and manufactures of	525	51,618
Sole and upper leather	10,428	15,773
Musical instruments	21,176	17,080
Manufactures of tin	60	281
Cigars and cigarettes	5	310
Tobacco—stems and cuttings	922	1,251
Matches and match splints	.....	480
Wood pulp	1 000	18,736
Other manufactures of wood	343	2,971
Miscellaneous man'f'd articles	1,169	7,246

Our imports from far exceed our exports to the German Empire, the former last year being $7,021,405, while the latter, as already shown, was $1,374,716, or about 401 per cent. less. In negotiating a treaty, therefore, with Germany we have a good case to present. Germany must know that in seeking the abrogation of the objectionable treaties we were actuated by no animosity against her, and it ought not to be difficult to convince her that our trade is worth looking after.

It is to be hoped that the Canadian Government will open negotiations through the proper channel without delay, for while our export trade with Germany is growing, it is in spite of the difficulties which the maximum tariff create.

THE MEN WHO SUCCEED.

Successful business men are not those who follow. They are those who lead.

No matter what their competitors are doing, they keep forging ahead, laying their own plans, devising their own schemes.

They are not ignorant of what their competitors are doing. They endeavor to keep informed as to modern business methods and as to the course of the various markets. But they also act and think for themselves.

The man of thought and of action is the man who is original. And the man who is original stands out among his fellows, is seen and does the business.

COMBINATION ON OIL STOVES.

Blue-flame oil stove manufacturers in the United States are this season doing business under a combination. One result of this combination is an advance of 10 per cent. in prices to the wholesale trade.

While importers in Canada have no advanced their prices to the same extent, they are naturally getting higher figures than they did last season, their discount being 15 per cent. instead of 20 per cent.

DROPS FROM THE EDITOR'S PEN.

A little "ad." often causes large additions to business.

Hard work is the nightmare of drones and the hobby-horse of the industrious.

When a man goes into business who by nature was designed for a farmer there is danger of his cultivating crops that are not profitable.

THE PULP INDUSTRY IN CANADA.

A Paper Read by Mr. D. Lorne McGibbon, Manager of the Laurentide Pulp Co., Before the Canadian Forestry Association.

AS you are all probably aware, pulp, whilst being a manufactured article from pulp wood, is still only a basis of raw material for the manufacture of paper. The two principal grades of pulp in use to-day are mechanical or ground wood pulp, and chemical or sulphite pulp. Mechanical or ground wood pulp is almost explained by its name, as the process of manufacture is very simple, consisting principally of grinding wood into pulp. Chemical or sulphite pulp is a much more intricate process of manufacture, and consists in treating the wood by chemical process, and thus separating the fibres of the wood by the extraction of resinous material. In the manufacture of paper 70 to 75 per cent. of the pulp used is mechanical, and the balance, 25 to 30 per cent., is chemical. Paper made altogether from mechanical pulp would not be satisfactory for newspaper or any of the finer grades, as the fibres of the pulp are too short to give the paper sufficient strength, so that it is necessary to use a proportion of sulphite pulp, which, by its process of manufacture, retains the long fibres of the wood, and thus gives the strength to the paper.

THE FIRST CONSIDERATION.

The first consideration, therefore, to the manufacturer of pulp is his raw material and power. An enormous quantity of water-power, on account of its cheapness, is necessary for the manufacture of mechanical pulp, and, therefore, it is usual for a pulp manufacturer to locate his mill at a point where there is good water-power and where his source of supply of pulp wood is close at hand. A pulp manufacturer, having his water-power assured and his source of supply of pulp wood for his raw material located, then figures on the quantity of raw material he will require for a season's operations. For the manufacture of a ton of mechanical pulp it takes a trifle over a cord of spruce wood. If, therefore, the pulp manufacturer has a capacity of so many tons of each kind of pulp per day, it is very easy for him to figure the exact amount of pulp wood he will require for the operation of his mills for a year. If he should have his own limits, his first step in procuring his pulp wood is to know exactly what his limits consist of and the amount of available spruce logs that are contained in same. As the Government regulate the size of a tree to be cut, he must, therefore, only figure on cutting trees in accordance with these regulations. In the case of The Laurentide Pulp Co., owning such a large area of timber timits, we have found it more practicable to divide these limits into three districts, having a superintendent over each district. We have also found it much more practicable for each of these superintendents, by giving his whole time and attention to his district, to become thoroughly acquainted with all rivers, streams and lakes in same, and where the best points are to procure logs to advantage, rather than have one or two men for the entire limits, which, by their large area, would only permit them, to say the least, to have a superficial knowledge of it all.

CONTRACT SYSTEM BAD.

Having, then, determined the quantity of pulp wood to get out in a season, and having your limits divided into districts, with a man thoroughly familiar with the conditions of each district, you determine the quantity you will get from each district. As a pulp manufacturer wants to insure a uniform cost of his raw material for years, it is, therefore, bad policy for him to attempt to pick out the easiest spots to get pulp wood one year, and leave the hardest and more expensive places for a following year. Under the circumstances it is necessary for him to average this up, taking some of the expensive wood each year, so as not to leave it all for future operations. It is the policy of most pulp manufacturers to procure their pulp wood, or, at least, a large portion of it, by letting contracts to jobbers or contractors. This to my mind is a very cheap way to procure pulp wood, but from my experience the results of this method are but temporary. It has been the practice in the past to allot a certain territory to a contractor, and give him a contract for a certain number of logs. As far as I can learn, the territory allotted to a jobber in the past has been much too large for the quantity of logs that his contract calls for. As a natural consequence this jobber, who has only one aim, viz.: to make money out of his contract, picks out the easiest spots in his territory, and no matter whether there are some large fine spruce logs in his territory that should be cut, but which would cost him a trifle more to get out, he will leave these standing. The following year, therefore, when a contract is let in the same territory a higher price is demanded, owing to the timber being scattered and only the hard places left to lumber in, and it usually ends up with the result that no contractor will go into this territory except at an exorbitant price, and it, therefore, falls to the lot of the pulp manufacturer to establish his own camps, and get out the remaining available logs at a very high cost.

CHEAPER IN THE END.

This point I wish to emphasize more particularly, and that is, when a contract is let for a certain quantity of logs the area of territory should be limited, and so thoroughly explored that it can be cleared systematically of the logs that should be cut. As contractors for logs are more or less of moderate means, and who, if a bad season sets in and a possible loss in fulfilling their contract stares them in the face, either fall far short of their contract or abandon it, it is, therefore, necessary for a pulp manufacturer, in order to be safe regarding his raw material, to establish some of his own camps which will get the logs out no matter what the set-backs are. It has been amply demonstrated that a camp, or camps, operated by a company cannot get logs out as cheaply as a jobber or contractor, at least in the Province of Quebec, where the timber is scattered and the country very mountainous, but the result obtained by operating camps direct are in the long run very much more beneficial than from contractors. The Laurentide Pulp Company, as mentioned before, having such a large territory, and who require such an enormous quantity of pulp wood for the operation of their mills, have found it advisable to employ two inspectors, one for the jobbers or contractors and the other for its own camps. It is the duty of the former inspector to inspect regularly and frequently all jobbers' camps, and to see that these jobbers do not waste the timber nor break the Government regulations. He also sees that

all logs are stamped and properly culled, and when he finds anything out of the way, he reports it direct to the management of the company. The inspector of the camps acts in a similar capacity, but reports on the general conditions of the camps in addition to the above.

ANOTHER BAD FEATURE.

Another bad feature of giving contracts to jobbers for logs is that it is usual to give a contract for a certain quantity of logs to be of a uniform length. Suppose, for example, that a contract has been let for 50,000 spruce logs 13 ft. in length, 7 in. at the small end and up. A contractor, if he cuts down a tree, will only make from this tree logs of 13 ft. in length, and I have found from personal experience that a large proportion of these trees would permit of another log being cut from 8 to 10 ft. in length, and still not be under 7 in. in diameter at the small end. This part of the tree is just as good for making pulp as anything else, but, as you know, the cost of handling and driving a small log is almost as great as that of a large log, and, if a manufacturer only considers his immediate circumstances and his immediate cost of raw material, he will not bother with these ends of a tree, but, if he considers the fact that his raw material is worth money, and that by leaving these ends of the trees in the woods he is simply throwing away a part of his assets, and in addition to this is enhancing the danger of forest fires, he will, even at a slight extra cost, have them taken to his mills with the larger logs. In the case of a company operating its own camps, this should be done in any case. In the case of the logs being cut for export to the United States, these ends of trees are not considered of any value.

HANDLING OF LOGS.

The next step in the cost of raw material is the handling and driving of these logs to the pulp mills, and this is a point I wish to emphasize very particularly. The cost of pulp is determined largely by the quantity produced, as the fixed charges of a pulp manufacturing concern are almost the same, whether a large or smaller quantity of pulp is manufactured. It, therefore, is apparent that a large pulp mill has an advantage over a smaller one, and this refers more particularly to the cost of handling and driving the logs to the mill. As you are all no doubt aware, it costs very little more to drive a larger quantity of logs than a smaller quantity, and therefore if a pulp manufacturer has a larger quantity of logs to handle, it pays him to make permanent improvements on his streams, lakes and rivers, so as to lessen the cost of driving operations as well as to insure the safety of the logs.

The cost of manufacturing pulp is determined largely by the cost of the raw material, viz., pulp wood, and it is natural therefore for a pulp manufacturer to endeavor to obtain his supply of raw material at the very lowest possible cost. In doing this, however, it seems to me that in the past, at least, it was being done at the expense of his prime asset, viz., his pulp wood limits, and he will find that each year his cost will grow greater; whereas, by systematically getting a proportion of expensive wood each year with the cheap wood, and eliminating all source of wastefulness in the cutting of logs, and by making improvements so as to lessen the expense of driving operations, he will, in the long run, make more money and be better off than the manufacturer who simply looks one year ahead.

The raw material, or pulp wood logs, having arrived at the booms in front of the mills, their conversion into pulp is an entirely different business from the logging operations. I do not intend to go into the details of manufacturing pulp wood into pulp, except to say that so far as the pulp wood is concerned, it should be as carefully watched as coal or any article that costs money. I fear, however, that a great deal of waste is incurred in preparing the pulp wood for manufacturing. In the case of the Laurentide Pulp Company, we allow nothing to go to waste, and even if a block of wood should come along with a certain amount of rot in it, instead, as is the usual custom of using it for firewood, the rot or imperfections in the wood are extracted, and the balance used for manufacturing pulp. In Canada there are more mills manufacturing mechanical pulp than anything else, and as this is a comparatively easy matter, and requiring less capital, it is bound to grow considerably. The manufacture of chemical pulp is very much more intricate, entailing more expert labor, and therefore has not grown to the extent of mechanical pulp mills.

EXPORT OF PULP WOOD.

As stated previously, the manufacture of pulp is only a step in the manufacture of paper, and the object of my paper is more for the purpose of showing what Canada is losing by not manufacturing this pulp into the finished product of paper than anything else. As an example of what this means to Canada, we will commence with a cord of wood. We will say, for convenience sake, that a cord of wood is worth $3.50. When this is exported out of the country all the benefit Canada derives from it is the amount of labor expended in cutting this cord of wood, and the stumpage, if any, which is paid the Government.

By converting this cord of wood into mechanical or ground wood pulp, it means an expenditure in Canada of at least $7.00 per cord, for both labor and material, and all of which can be obtained and produced by Canada. By converting a cord of wood into chemical or sulphite pulp it means that an expenditure of at least $15.00 per cord is made for both material and labor. All of this, with the exception of the sulphur, which has to be imported from Sicily, can be produced in Canada. In the conversion of these pulps into paper, it means that a cord of wood, originally costing $3.50, is manufactured into a finished product worth about $40.00 per cord, all of which is for material and labor, the most of which could be produced and manufactured in Canada if the business were sufficiently large. At the present time there are over 1,000,000 cords of pulpwood exported to the United States annually, worth, we will say, for convenience sake, $3,500,000 to $4,000,000. If this quantity of 1,000,000 cords of pulpwood was converted into pulp and then into paper in Canada, it would mean that an expenditure for labor and material in Canada would take place of over $30,000,000 annually. For the manufacture of this large quantity of pulp and paper it would require, however, several times this amount for permanent investments in the limits, water power, mills and machinery, and this in itself would mean a huge thing for Canada.

HOW TO ACCOMPLISH IT.

It therefore seems to me that the principal question before the Dominion and Provincial Governments is, first, how to accomplish the manufacture of this large quantity of paper in Canada, and, secondly, how to dispose of it after it is manufactured. At the present time the United States exacts a duty of $1.67 per ton for mechanical or ground wood pulp and $3.33 per ton for chemical or sulphite pulp, and have a duty on news paper that is prohibitive. The effect of this policy is apparent on the surface, as it provides the manufacturers in

WIRE NAILS
TACKS
WIRE

Prompt Shipments

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

the United States with their raw material in a partly-manufactured state at a low cost, and prohibits the competition of foreign paper. In addition to this, Canada seems to be the ally and friend of the United States manufacturers, as she allows them to come to Canada and procure their raw material, in the shape of pulp wood, with little, if any, charge, and the United States Government allows it to enter into the United States free of any duty. The effect of this policy on Canadian manufacturers is, to say the least, very unfair. The Canadian manufacturer of both kinds of pulp has to compete with the American manufacturer of both kinds of pulp at a disadvantage by the amount of duty imposed by the United States Government on the pulp. This competition at certain times has been ruinous to the Canadian manufacturer. As an example, during the summer of 1901, the paper market was very dull, and, as a consequence, the amount of pulp consumed by paper manufacturers diminished considerably. The overproduction of pulp in Canada and the United States was very large, and the prices dropped until they reached a point where a loss was incurred. The overproduction was caused absolutely by the American pulp mills that procured their supply of pulp wood from Canada, and, as a consequence, owing to the protective duty the United States pulp manufacturers had, the Canadian pulp manufacturers were obliged to curtail their manufacturing operations until such time as prices reasserted themselves. This state of affairs would not have happened had not Canada allowed her pulp wood to go out of the country for a mere song. As I mentioned before, the over-production of pulp was caused by the pulp manufacturers in the United States, who procured their supply of wood in Canada. If these mills had been out of the market it would not have been necessary for Canadian manufacturers to have curtailed their operations last summer. It is true people say Canada has the world for its markets in pulp and paper, but I am afraid too many people hazard this opinion without giving it the consideration it demands. In England, where our principal market at present for both pulp and paper lies, we have the serious competition of Norway and Sweden, and it is no mean competition. Whilst I do not believe that either Norway or Sweden has as good wood for manufactnring pulp or paper as Canada has, still they have many advantages that we have not, and, as a consequence, they are able to sell their pulp and paper in England at a very low cost, and which Canada is obliged to meet in order to procure business.

IT PAYS

to sell paint—if you handle the right kind. There are few lines of business that pay better, but you can never ***know*** this is so if you stick to lead and oil and "cheap" paint.

There's no profit of any kind in them. You can't make money or build a reputation out of them. The only way to get anything out of them is to let "the other fellow" push 'em, while you push ***good*** paint. Dealers that make the most money and get the biggest reputation out of paint are handling

THE SHERWIN-WILLIAMS PAINT

There's big money in it. There's reputation to be gained by it.

S.-W.P. itself is good paint—the best that can be made. With it you always get the best advertising in the paint field, and the same aggressive methods that have made us the largest paint manufacturers in the world.

Let us show you how and why it pays to sell paint. Send for the "B-13 Booklet."



THE SHERWIN-WILLIAMS CO.

PAINT AND VARNISH MAKERS.

CHICAGO, NEW YORK, NEWARK, MONTREAL, CLEVELAND. BOSTON, TORONTO, SAN FRANCISCO. KANSAS CITY.



SOME FURTHER DIFFICULTIES.

It certainly seems absurd that Canada should allow her pulp wood to be exported from the country for a very slight charge, and that the American manufacturers, who use this wood, do not have any competition in the finished product, paper, from Canada to the United States—but when Canada exports her paper to England or any other foreign country, she not only has to compete against paper and pulp manufactured in Norway and Sweden, but also comes into competition with paper and pulp manufactured in the United States from Canadian wood obtained from Canada almost for nothing. In addition to all this, the Canadian manufacturer to day labors under great difficulties. He has to import from the United States the greater portion of his machinery and the clothing of his paper machines—consisting of felts and wires—which amount to many thousand dollars a year; he has to use coal that is protected by the Canadian Government to the extent of 60c. per ton; he has to import his china clay from England, and the best grindstones also from the same place; he has to bring his sulphur from Sicily, and his chemicals from various countries of the world; he has to employ his expert labor from the United States, and which is controlled by a union which curtails his production, and which union while enforcing this rigidly on Canadian manufacturers, makes exceptions in the United States. We are also handicapped in our export trade during the winter months by the long haul to our winter ports.

WOULD COME TO CANADA.

To sum up the whole matter, it appears very much as if the Canadian Government did not want to increase the manufacture of pulp and paper in Canada, but rather would prefer to supply American manufacturers with their raw material, and be satisfied with a small revenue derived from the same. In conversation with a capitalist in New York two or three weeks ago, and who is largely interested in Canadian timber limits, I used the argument that if Canada prohibited the exportation of pulp wood until such time as the American Government abolished or diminished its duty on pulp and paper, the American manufacturers would in a very short while remove their mills to Canada. This gentlemen, after arguing this point for a long time, said:

"I believe that what you say is correct, but I cannot understand why you, representing a large manufacturing concern should wish to make this fact prominent, as it would only invite competition for the company you represent." My answer to this was, that we would prefer all the competition that would take place, and having

the United States market open so us, rather than have less competition and our present markets. In conversation with another United States manufacturer within the last few days, he made the same statement, and from my own personal knowledge I feel quite certain that it would not be long before a certain proportion of the United States manufacturers would be obliged to remove their mills to Canada if they wished to compete with Canadian manufacturers when the United States market was open to them.

It is true that the United States is not wholly dependent upon Canada for its supply of pulp wood, as is evident from ex Governor Powers' remarks at the Paper Trade banquet in New York two or three weeks ago. Ex-Governor Powers made the statement that in Maine alone they had 12,000 square miles of territory, containing 500,000,000 ft. of spruce, and which, in his judgment, if properly handled, would be an inexhaustible supply for American paper manufacturers. I do not agree with ex-Governor Powers in this statement, as 500,000,000 ft. of spruce is a mere bagatelle to United States manufacturers of pulp and paper.

FREE TRADE IN PAPER.

In addition to this, the Canadian Government saw fit, a short time ago, to reduce the duty on news paper entering into Canada. The Canadian market is so small that this only interferes with the smaller mills, who are dependent on the Canadian trade for their existence, but it certainly seems unfair that the Canadian Government should do this, as it will enable the United States paper mills, when their production is greater than the demand, to dump their surplus in Canada. As long as the United States have a prohibitive duty on paper, Canada should do the same, but an abolishment of both would be the best.

I ask you also, why is it that American capitalists have to-day invested in Canadian timber limits and Canadian water powers without developing the powers and cutting the limits? Why is it, I say, but to prepare for the time when Canada will come to her senses, and they will be obliged to manufacture in Canada, or otherwise get out of business. These men are not short-sighted, and although they did procure a promise from the Quebec Government that no extra stumpage over and above 25c. per cord would be charged by them for the next ten years, they still feel that it is necessary to look still further ahead than this. I ask you also why is it that the Quebec Government a short while ago raised the stumpage on pulpwood cut from Crown timber limits for export into the United States to $1.90 a cord, thus giving a preference to the Cana-



THERE ARE BICYCLES AND BICYCLES BUT ONLY ONE TRUSS FRAME BICYCLE

THE IVER JOHNSON

THE RIDERS' FAVORITE FOR 1902.

ALL COMMEND IT. NONE CONDEMN IT.

It is a bicycle born of experience—
The kind that rises superior to competition.

Write for agency proposition. Catalogues mailed free.



(FRAME PATENTED.)

IVER JOHNSON'S ARMS & CYCLE WORKS,

Fitchburg, Mass.

New York Salesrooms— 99 Chambers Street.

ZANZIBAR

You Haven't Time

ZANZIBAR

for a long story about your business going to ruin if you don't handle THIS or THAT paint. YOU'LL GET ALONG with any good paint (and there are several), but you **can't** make a **mistake,** which is the first consideration, and you **can** make better margins, which is a close second, by handling

ZANZIBAR PAINTS.

Unequalled for strength of color, durability of gloss, length of service, weather and water proof qualities.

Did you receive our Pioneer Card?

ZANZIBAR The Zanzibar Paint Co. Limited. ZANZIBAR

TORONTO.

STANYON ENGINEERING CO.

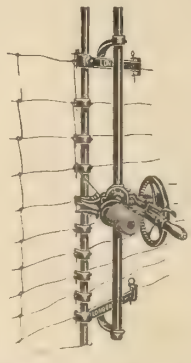
402 McKINNON BUILDING,

Phone Main 2177. TORONTO

CONTRACTING AND CONSULTING ENGINEERS.

Steel Works, all kinds of Rolling Mills, Wire Mills, etc., all built complete. Machinery designed for any purpose

GENERAL OFFICES, - - PITTSBURG, Pa.



LONDON FENCE MACHINES

Are so light, durable and practical, and so easily and rapidly operated, that farmers cannot help seeing that they are unlike any of the big, clumsy and costly machines which have been on the market.

The LONDON builds the highest standard of coiled spring woven wire fence, and as it will more than pay for itself the first year, our machines find quick sales and fast friends.

The agency for the LONDON will pay the dealer, and never fails to draw custom and please the purchaser.

Our Spring Catalogue will be out shortly and a copy will be forwarded on request. Write for our trade prices on coiled spring wire.

THE LONDON FENCE MACHINE CO., Limited.

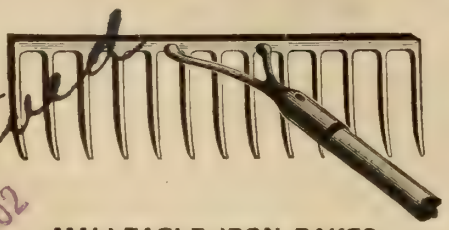
LONDON, ONTARIO.

H. S. HOWLAND, SONS & CO.

WHOLESALE ONLY

37-39 West Front Street, **Toronto.**

ONLY WHOLESALE



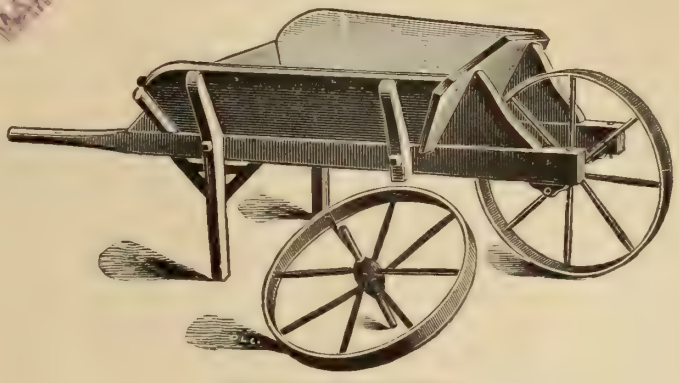
MALLEABLE IRON RAKES.
STEEL RAKES, Straight Teeth.
STEEL RAKES, Curved Teeth.



HOG RINGS.



PRUNING SHEARS.



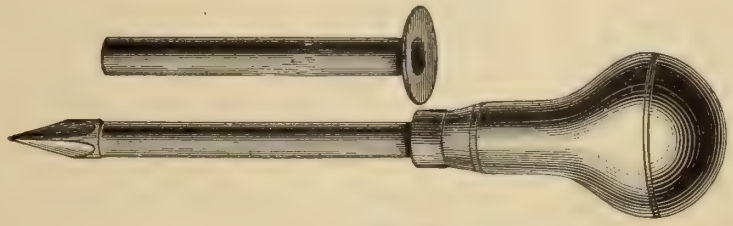
WHEELBARROWS.
NAVVY, GARDEN and STEEL.
Wheelbarrow Wheels, Wood and Steel.



HOG RINGERS.



BULL RINGS
Copper, 2½ and 3-inch.



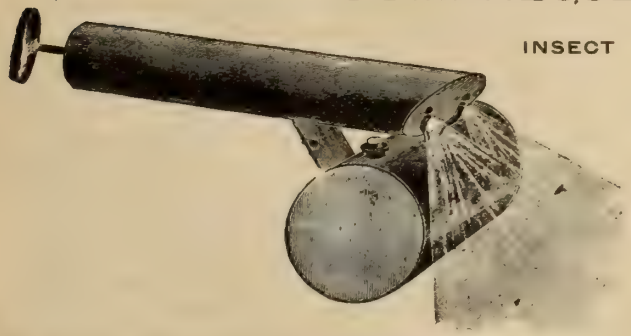
BULL PUNCHES.



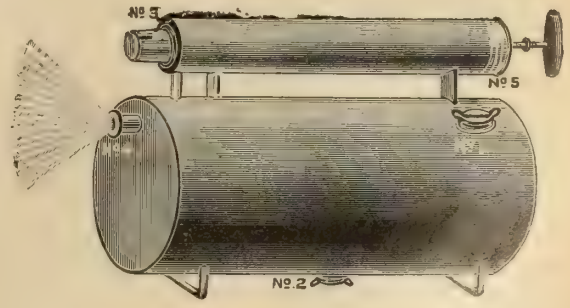
OX BALLS.

COMPRESSED AIR SPRAYERS.

INSECT EXTERMINATOR.



No 3—"LIGHTNING," TIN PUMP, and Tank.



No. 30—GALVANIZED.
Holds 2 gallons. Throws a spray 20 feet high.

H. S. HOWLAND, SONS & CO., Toronto.

WE SHIP PROMPTLY

Graham Nails are the very Best.

OUR PRICES ARE RIGHT

Factory: Dufferin Street, Toronto.

ESTABLISHED 1882

G. F. STEPHENS & CO. LIMITED

INCORPORATED 1901

Manufacturers, Importers and Jobbers

PAINTS, OILS, VARNISHES, BRUSHES, ETC.,

PLATE AND WINDOW GLASS

AND ALL PAINTERS' AND GLAZIERS' REQUISITES.

We carry the largest stock of these goods in Western Canada.

PROMPT SHIPMENT. CAREFUL ATTENTION. CLOSE PRICES.

174-176 Market Street WINNIPEG.

dian manufacturer of $1.50 per cord, without any advance notice of what their intentions were? Why is it that they reduced this to 65c. per cord, thus reducing the preference in favor of Canadian manufacturers to 25c. per cord? Would it not be better for the Quebec Government, instead of selling its timber limits with a guarantee of this kind, to assist in building up Canadian manufacturers of pulp and paper, and which would necessitate their purchasing further timber limits from the Quebec Government, and in the development of these, the stumpage to the Quebec Government would increase, and be a regular source of revenue, rather than to continue its present policy?

THE GRAND MERE CONCERN.

The Laurentide Pulp Co. to-day manufacture about 100 tons of paper and cardboard per day, 125 tons of ground wood pulp per day, 70 tons of sulphite pulp per day, and cut 10,000,000 or 15,000,000 feet of pine lumber each year. To do this, it has required an investment of nearly $4,000,000, the annual payment in wages of about $1,000,000, and, as a result of this, the town of Grand Mere, wholly and absolutely dependent upon the Laurentide Pulp Co., has sprung into existence, and to-day has a population close on to 5,000. In addition to this, the viliages adjacent to Grand Mere have all grown, and the rural population in the vicinity of Grand Mere is thriving and doing well. Canada could have 20 such mills as these in a short time if she would come to her senses and adopt the proper policy. Would it not be better for Canadians to have a permenent advancement of this kind, even though it did take a few years to obtain?

THE CANADIAN FARMER.

Possibly the question might arise as to the Canadian farmers who dispose of their pulp wood at the present time. These farmers would have a better market with just as good prices as they have at present, if their purchasers were Canadian manufacturers instead of American manufacturers. Whilst on this subject I might make mention of the fact that the so-called farmers of Canada who dispose of their pulp wood to American manufacturers do not deserve all the sympathy and support that one would think. In our own district, I know several instances where these men obtained lots from the Government presumably for settling purposes, but who, when the timber was cleared off, obtained another lot in somebody else's name. These men are doing more to damage Canadian forestry than any one else, and it is the duty of the present Government to give this special attention and see that it is stopped as soon as possible.

Canada has an opportunity to-day to show her wisdom and her foresight. If the Government would take up this question as seriously and as vigorously as the Department of Public Works has taken up the question of river and harbor improvements, we might hope in the near future to see the paper industry of the world centred in Canada. At present Canada is floundering in the dark, and her wideawake competitors are taking advantage of this. Nothing in this world is gained without a struggle, and a struggle cannot take place unless the parties are determined. Canada should be determined to get the most out of her timber assets, and should not fear to take a decided step in this connection. The trouble is that Canadian politicians do not study the question sufficiently, and are too easily swayed by outside influence. I do not say that it would be a wise thing for Canada to always have an export duty on her pulp wood, but I do say that there should be a sufficiently high export duty on pulp wood so as to make it practically prohibitive until such time as the United States Government open their market for the finished product to Canadian manufacturers. This is only fair and just, and I cannot see why any hesitation should take place in adopting it. Canada has an opportunity now which should be taken advantage of. If she does not do so quickly, it simply means that she is not only losing an opportunity, but is losing time that cannot be recalled.

ALLEGED FRAUD AND THEFT.

W. J. DENNIS is a general merchant of Roseneath and Hastings, Ont., who became insolvent a short time ago. Should the allegations of several Toronto houses prove true, he is guilty of both fraud and theft. Charged with these crimes, he was arrested last week and is now waiting his trial in Toronto.

It is charged that on November 1, 1901, a statement was sent out by Dennis showing that he had a balance of $8,700 on hand. He stated he had $6,300 in stock, $2,000 in real estate, $1,800 in book debts and $100 in cash. All that he owed was $1,500, and, he claimed, there was no chattel mortgage on the goods. A week afterwards he assigned, and it was shown that he had only $2,604 worth of goods in his two stores, $834 in book debts and no real estate. It also transpired that a chattel mortgage on his goods had been given in May.

After the assignment $1,000 worth of the goods were stolen while the man in charge was asleep. The thieves are claimed to be W. J. Dennis, Margaret Dennis and James Lasher, jr. The last named has since taken up his residence in the United States.

Daniel O'Leary, a partner of Dennis, also charges Dennis with the theft. He had formed a partnership with Dennis shortly before the assignment, understanding by his statements that he (Dennis) only owed $500.

O'Leary advanced $600, and shortly afterwards $1,541 more, all the money being taken to pay off debts of which he knew nothing. He had sold his farm for $3,000 to raise this money, and now he is working in a Toronto factory—none of his money being left.

Among the Toronto creditors are The Wyld-Darling Co., The Ames-Holden Co., The Eby, Blain Co., Warren Bros. & Co., and F. J. Westbrook & Sons. They are represented by A. J. R. Snow, of Beatty, Snow & Smith.

"MIDLAND"
BRAND

Foundry Pig Iron.

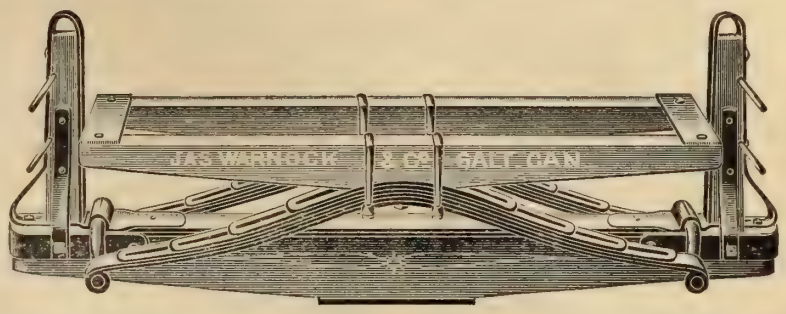
Made from carefully selected Lake Superior Ores, with Connellsville Coke as fuel, "Midland" will rival in quality and grading the very best of the imported brands.

Write for Prices to Sales Agents

Drummond, McCall & Co.
or to MONTREAL, QUE.
Canada Iron Furnace Co.
MIDLAND, ONT. Limited

"The Peerless"

is the best Bolster Spring ever produced. A fine line for the hardware trade. Write Us For Prices.

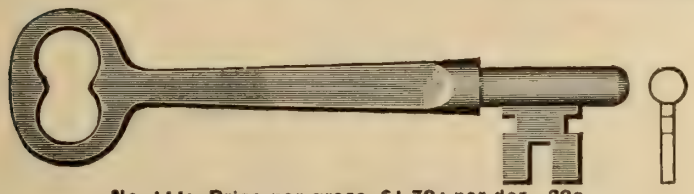


James Warnock & Co. = Galt, Ont.

KEYS

SPECIAL OFFER

To introduce our line of Keys we will prepay express to any point in Canada on orders of one gross or more. This offer is open until March 1st, 1902.



No. 111: Price per gross, $1.70; per doz., 20c.

If interested in Bicycle or Automobile Material, or Sporting Goods, drop us a postal request and we will mail you our latest catalogue.

JOHN MILLEN & SONS

Branch: 132 Bay Street, Toronto, Ont. MONTREAL, CANADA

The White Mountain Ice Cream Freezer

Makes the FINEST and SMOOTHEST Cream the QUICKEST



Will freeze cream in 4 minutes.

Built with Triple Motion
Duplex Malleable Iron Beater
Strong Waterproof Tub
Bound with Heavy Galvanized Iron Hoops.
Extra Heavy Charcoal Tinplate Can
Covered Gearing
Double Scraper

POSITIVELY THE BEST FREEZER IN CANADA.

SOLE AGENTS FOR CANADA:

THE McCLARY MANUFACTURING CO.,

London, Toronto, Montreal, Winnipeg, Vancouver, St. John, N.B.

CORDAGE

ALL KINDS AND FOR ALL PURPOSES.

Manila Rope	Lathyarn
Sisal Rope	Shingleyarn
Jute Rope	Bale Rope
Russian Rope	Lariat Rope
Marline	Hemp Packing
Houseline	Italian Packing
Hambroline	Jute Packing
Clotheslines	Drilling Cables
Tarred Hemp Rope	Spunyarn
White Hemp Rope	Pulp Cord
Bolt Rope	Lobster Manila
Hide Rope	Paper Cord
Halyards	Cheese Cord
Deep Sealine	Hay Rope
Ratline	Fish Cord
Plow Lines	Sand Lines

"RED THREAD" Transmission Rope from the finest quality Manila hemp obtainable, laid in tallow.

CONSUMERS CORDAGE COMPANY, Limited

Western Ontario Representative—
WM. B. STEWART,
Tel 94. 27 Front St. West, TORONTO.

MONTREAL, QUE.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

ALFRED GOULET, general merchant, The Brook, Ont., has compromised at 40c. on the dollar.

Wilfrid Chausse, hardware merchant, Montreal, has compromised.

Wm. Bennett, general merchant, Calumet, Que., has compromised.

Cross Bros., general merchants, St. Chrysostome, Que., have compromised.

James A. Moore, general merchant, Ladner, B.C., has assigned to H. T. Kirk.

Wm. Smith, general merchant, Cupids, Newfoundland, has been declared insolvent.

W. J. Clelland, general merchant, Hemmingford, Que., is offering 50c. on the dollar.

The creditors of Eugene Audette, general merchant, St. Anne Du Sault, Que., met on March 21.

The creditors of Magnan & Frere, hardware merchants, Montreal, had a meeting on March 25.

The Hyde Trading Co., general merchants, Hyde, N.W.T., are offering 33⅓c. on the dollar.

John W. Clancey, general merchant, Croyden, Ont., has assigned to Geo. D. Hawley, Napanee.

Andre Labbe, general merchant, Chartierville, Que., has assigned, and his creditors meet on March 22.

PARTNERSHIPS FORMED AND DISSOLVED.

Lachapelle & Cie, painters, Montreal, have dissolved.

Peverett & McNabb, agricultural implement agents, Roundthwaite, Man., have dissolved.

Fullarton & Zieman, hardware merchants, Monkton, Ont., have dissolved; Thomas Fullarton continues.

Taylor, Cruso & Co., general merchants, Mine Centre, Ont., have dissolved. H. L. Cruso continues.

R. Barbour & Son, painters, St. John, N.B., have dissolved; Robert Barbour continues under the old style.

SALES MADE AND PENDING.

Joseph Lamb, blacksmith, Markdale, Ont., has sold out.

N. B. Zinkau, general merchant, Southampton, Ont., is selling out.

C. H. Merrick, boatbuilder, Arnprior, Ont., is advertising his business for sale.

The stock of B. Privat, stove and tinware merchant, Hanover, Ont., is advertised for sale by tender.

CHANGES.

Wm. Miller, general merchant, Price, Ont., has sold out to Stone Bros.

T. A. Boucher, general merchant, Emo, Ont., has sold out to C. R. Langstaff.

John Gunn, lime and stone merchant, Winnipeg, has sold his general store at Stoney Mountain to R. R. Gunn.

P. Young, general merchant, Forestville, Ont., is succeeded by W. H. Nichol.

W. J. Thompson, machinist, Liverpool, N.S., is succeeded by Thompson Bros.

George E. Gilroy, harnessmaker, Forest, Ont., has sold out to Charles Anderson.

Bonar & Flows, machinists, Rapid City, Man., are succeeded by C. Bonar & Co.

J. R. McComb, hardware merchant, Lucan, Ont., has sold out to J. E. Schmidt.

H. T. Goodlands, general merchant, Goodlands, Man., is succeeded by E. Dobson.

Thomas Leddy, tobacconist, Medicine Hat, N.W.T., has sold out to James Fleming.

George Simpson & Son, hardware merchants, Moorefield, Ont., are succeeded by George Wilson.

C. F. McArthur & Co., general merchants, Kenmore, Ont., have changed their style to C. F. McArthur.

S. La Charite & Co., general merchants, Dover South, Ont., have sold out to Primeau & Bordeau.

The stock of (the estate of) J. D. McPherson, harnessmaker, Fredericton, N.B., has been sold to H. Rutter.

The stock of Sussex & Co., general merchants, Bothwell, Ont., has been sold at 55c. on the dollar to Henry Macklin.

W. C. Tudor, general merchant, Thedford, Ont., has sold his hardware stock to Wm. Ironside, and the balance is for sale.

FIRES.

A. Burchell, general merchant, French Village, N.S., was burned out; there was no insurance.

E. Rayner, general merchant, Selkirk East, N.W.T., has sustained some small damage by fire.

D. Stanley Hooper, general merchant, Louisburg, N.S., had his premises damaged by fire; there was no insurance.

The Victoria Mercantile Co., Limited, general merchants, Victoria Harbor, Ont., were burned out; the loss is partially made up by insurance.

DEATHS.

W. M. Willis, carriagemaker, Halifax, is dead.

Simon Snyder, president of the Canada Furniture Manufacturers, Toronto, is dead.

PERSONAL MENTION.

Mr. J. C. Schmidt, president of The Standard Chain Co., Pittsburg, is in Montreal this week calling on the prominent members of the wholesale hardware and metal trade.

Mr. J. R. Kinghorn, of The Montreal Rolling Mills Co., with his wife, left at the beginning of the week on an Easter-holiday trip to New York, Washington and other points in the United States.

BUSINESS FOR SALE.

HARDWARE BUSINESS, IN A GROWING town. Prosperous farming section. Good location and premises. Opening for plumbing in connection. Business established thirty years. Owner has other interests. Address, Box 74, HARDWARE AND METAL, Montreal or Toronto. (8-tf.)

Stove Bricks in Variety.

We don't have to make a kiln and then burn it before filling your order. Prompt shipment is one of our mottoes. We have over 200 varieties of bricks, and all kinds of fire clay products, furnace cement, etc., always in stock. Catalogue upon application.

JONES BROS., Bracondale, P.O., Ont.

Canadian Wringer Co.

Manufacturers of the following

CLOTHES WRINGERS

Queen,	Eureka,
Royal Canadian,	New Eureka,
New Metropolitan,	Stone,
New Lightning,	Jubilee Ball Bearing
	Etc., Etc.

All our Rolls are of Solid White Rubber and Vulcanized to Shaft. . . . Send for Catalogue and Discounts.

16 SHEPPARD STREET, TORONTO.

TOOLS

We make tools required by

Stone Workers, Cement Workers, Paving, Building, Sewer and Railroad Contractors.

Likewise Special Wrought Iron or Steel Work to drawings. Estimates promptly furnished for any quantity. You ought to know our advantages. Correspondence solicited.

W. H. ANDERSON & SONS,

Factory and Main Office— DETROIT, MICH.

Canadian Branch, with Eureka Planter Co., WINDSOR, ONT.

Wanted—An Agent

ON COMMISSION

TO REPRESENT

Cocker Brothers, Ltd., Fitzalan Works, Sheffield, Eng.,

Manufacturers of high-grade Tool Steel, Die Blocks, etc. Also Wire in Coils, and Drill Rods, Ramsbottom's Piston Rings and Spiral Springs.

Apply direct, giving previous experience.

Lace Leather

Send direct to us for the celebrated "NIAGARA" Brand Lace Leather, best produced in this country. Yellow and White in Sides or Cut Strings. Prices and Samples on application.

WOOD BROS.

Tanners of High-Class Leathers,

ST. CATHARINES, ONT.

WE have the nicest set of Hose samples ever shown to the Canadian trade. Don't fail to see them.

HOSE

GARDEN
STEAM
SUCTION
ETC.

Send for samples and quotations.

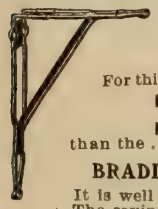
WE make Hose of all kinds for all purposes. Our equipment is the most modern and our goods are perfection.

MANUFACTURED BY

THE DURHAM RUBBER CO., LIMITED

Bowmanville, Ont.

Persons addressing advertisers will kindly mention having seen their advertisement in The Canadian Hardware and Metal Merchant.



Will Hold Up a Shelf!

That's what a shelf bracket is for.
For this purpose there can be
NOTHING BETTER
NOTHING CHEAPER
than the . . . .
BRADLEY STEEL SHELF BRACKET

It is well **Japanned, Strong** and **Light.** The saving in freight is a good profit, aside orm the **lower price** at which the goods are sold.
☞ Order direct or through your jobber.

ATLAS MFG. CO., New Haven, Conn., U.S.A.



Up to date Grocers' Refrigerators,

Mineral Wool Filled, Eight Walls. Ask for prices from any dealer handling our household refrigerators, or write direct to us for descriptive catalogue and prices.

Ham & Nott Mfg. Co., Limited, Brantford, Ont,

Have You Ordered Yet?

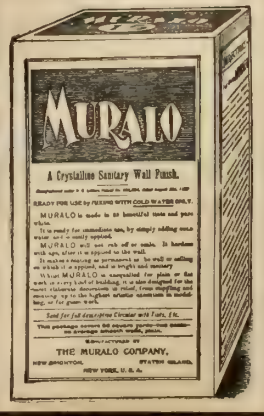
We have opened over one hundred accounts in Canada for our Paste Paint in seven weeks. Have we yours? You ought to see that we have. Hollywood Paste Paint is really "tinted lead," and does away with all the disagreeable handling of raw materials. Good money in it too!

HOLLYWOOD

New York, Chicago,
Buffalo, Columbus, O.

PAINT CO., Limited

CANADIAN WORKS - HAMILTON, ONT.



MURALO

is a Cold Water Wall Finish, as far ahead of the old-fashioned wall finishes as paint is ahead of whitewash. **MURALO** is a distinctive preparation of its own. Don't conflict it with old wall finishes you have known before. **MURALO** has the largest sale in the world, because every painter, every amateur, who has tried it, knows it to be the best Cold Water Wall Finish. There's money in it for the dealer.

Agents:

A. RAMSAY & SON, - - - MONTREAL
J. H. ASHDOWN, - - - WINNIPEG
McLENNAN, McFEELY & CO., - VANCOUVER

CHANGE IN THE LAURIE ENGINE CO.

THE Laurie Engine Company, of Montreal, which has for years been well known as the principal builder of large engines in Canada, has just had an important change made in its control. The majority of the old board of directors having retired, the company's affairs are now under the direction of a new board, consisting of C. E. L. Porteous, Wm. Yuille, F. L. Wanklyn, C. W. Davis, W. G. Ross, Walter H. Laurie and John Laurie. Mr. Porteous has been chosen president and Mr. Yuille as vice-president. The change will, without doubt, result in a large extension of the business, as, on account of the extensive connections of the new members of the board, it will bring the company into touch with a much larger field. The increased financial facilities afforded will also enable the company to undertake much larger work than before, although it now holds the record for the biggest engine in the Dominion.

The change will also add greatly to the strength of the company. The intimate connection of Mr. Porteous, who is president of the Montreal and St. Lawrence Light, Heat and Power Company, and a director of several of the leading companies in Montreal; and Mr. Yuille, who is president of the Diamond Glass Company, with a large number of Canada's principal financial interests, will lead to a large increase in the financial resources of the company. Mr. Wanklyn, general manager of the Montreal Street Railway Company, and Mr. Davis, who is general manager of one of the largest manufacturing concerns in the city, will take an active interest in the mechanical side of the business. There is no change in the other offices, the position of managing-director being retained by Mr. Walter H. Laurie, known to be an expert as a steam and mechanical engineer, thus assuring the continued success of the company in engineering matters.

PRIZE WON AT EUCHRE.

A euchre match took place at the comfortable clubroom recently opened by the employes of The Thos. Davidson Manufacturing Co., between teams representing The Thos. Davidson Manufacturing Co. and The Canada Paint Co. for the handsome



cup shown in the accompanying illustration. The lead men upset the tin men by a good score and carried home the cup amidst great rejoicing. Captain of The Thos. Davidson Manufacturing Co.'s team, H. J. Chalmer; captain of The Canada Paint Co.'s team, P. Lamarche.

DEATH OF MR. JAMES SCOTT.

A man prominent in lumber circles passed away in the person of ex-Ald. James Scott, who, after an illness of about a year, died at his residence, 173 Jameson avenue, Toronto, on March 23, with pernicious anemia.

Mr. Scott had for years been connected with the Georgian Bay Lumber Company, as manager and general secretary. He was widely known through his relations with that firm. A native of Ireland, he came to Canada when quite young and settled in Brockville. He taught school for many years, afterwards entering the lumber business as a clerk in the office of the late Hon. W. E. Dodge, of New York, who formed the Georgian Bay Lumber Company out of a number of smaller concerns started by his son, A. J. R. Dodge, at different points on the Georgian Bay. When Mr. Dodge, sr., retired from business, Mr. Scott became manager, and that position he held until his retirement from active business some years ago. He was also head of the Georgian Bay Navigation Company for a considerable time. That company has recently been amalgamated with several other lines, forming the Northern Navigation Company.

Mr. Scott was an alderman for the years 1895, '96 and '97 in the Toronto City Council, representing ward six, and it was contrary to the wishes of his constituents that he retired at the end of the third year.

INQUIRIES ABOUT CANADIAN TRADE.

THE following were among the recent inquiries relating to Canadian trade received at the Canadian Government Office in London:

1. A German importer asks to be furnished with the names of some Canadian shippers of molybdenite.

2. A Liverpool firm of provision merchants who have a large sale for bacon (wholesale only) are open to sell on commission for any reliable Canadian firm requiring representation.

3. A Dublin house ask to be referred to Canadian manufacturers of mouldings suitable for picture frames, etc.

4. A correspondent asks for the names of manufacturers in Canada of motor cars and motor car parts.

5. The names of leading importers of cotton and woollen goods, and of some first-class booksellers and stationers in Canada, are required by a correspondent in the north of England.

6. A firm in the Midlands are desirous of arranging for direct consignments of Canadian apples, either on commission or at so much per barrel advanced against bill of lading.

Inquiries received by the Canadian section of the Imperial Institute:

1. A London firm of merchants would like to hear from Canadian manufacturers of doors and mouldings in quantity. They are in a position to contract for the total output of one or more factories.

2. A Liverpool firm ask to be placed in touch with the leading Canadian mining companies who use cyanide of potassium.

3. A London house wish to be placed in correspondence with Canadian sawmills which can supply packing case shooks on a large scale.

4. A firm in Brussels desire names of Canadian shippers of feldspar of good quality.

[Names of the firms making the above inquiries can be obtained on application to the editorof HARDWARE AND METAL.]

John Bowman

HARDWARE & COAL CO.

LONDON, ONT.

Our stock of goods for the spring trade is now complete, and we can fill all orders promptly on the following lines :

Wire, Nails, Cordage, Window Glass, White Lead, Paints, Whiting, Churns, Linseed Oil, Spades and Shovels, Screen Doors, Wove Wire, Poultry Netting, Builders' Hardware, Guns and Sporting Goods. Finest stock in the Province of Cutlery.

Prompt Shipment. Prices Right.

DOMINION WIRE MANUFACTURING CO.

Limited

MONTREAL and TORONTO.

We Manufacture

IRON

STEEL

BRASS

AND

COPPER

WIRE

and the following products of same :



Wire Nails
Wood Screws
Bright Wire Goods
Barbed and Plain Fencing
Fence
Poultry
Bed
Blind
STAPLES
Cotter Pins
Jack Chain
Door Pulls
"Crescent" Hat and Coat Hooks



Kitchen Range Boilers

"APOLLO" GALVANIZED

Made of "Apollo" Open-Hearth Steel. Severely tested at 200 lbs. before galvanizing (making tightness doubly sure), and are perfectly galvanized inside and out.

25, 30, 35, 40, 52-Gallon.

PRICES ON APPLICATION.

THE THOS. DAVIDSON MFG. CO., Limited, MONTREAL, P.Q.

ESTABLISHED 1860. INCORPORATED 1895.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

Montreal, March 27, 1902.

HARDWARE.

THE spring business has commenced with a rush, and all houses report an unusually active trade. This does not apply to only a few seasonable lines, but to the general list of hardware dealers' requirements. Some houses have been forced to work two or three nights in the week to keep up with the demand; and, although, in the case of the heavier goods, many shipments will be delayed until the opening of navigation, when it is expected that the freight charges will be lowered; still, merchants are asking for their smaller goods now, and the shipping departments in the wholesale houses are very active. The week, however, in some regards, will be a short one; as Good Friday is a holiday, travellers will have to close their week on Thursday night, and this will have some effect, though the increased trade of Thursday will doubtless make up for whatever is lost. Importers have a good deal of difficulty in obtaining goods from either England or the United States, and it looks as though those who cannot get what they want now will be almost unable to get it later on. The wholesale houses are buying much earlier than usual. One firm has bought a good many thousands of dollars worth of goods which ordinarily they do not buy till July. Under such circumstances it can readily be seen that the market for hardware generally is firm. Though a few changes in prices have occurred, nothing very startling is to be reported. Several lines of pipe fittings, nipples, plugs and bushings, have advanced. Heavy screw hooks and hinges are about 25c. per 100 higher. From 12-inch sizes up the price is now $3.25; and 6, 8 and 10-inch sizes are $4.25. There has been a change in fence staples, in that 25 and 50-lb. packages are 25c. extra. This was doubtless made to encourage small buyers to take the full keg. Canadian manufacturers of white enamelled ware have dropped the price about 10 per cent. on some lines. This, it is said, was done to meet German competition on this market.

BARB WIRE.—There is a good demand for barb wire. Prices have not changed, but they are firm. We quote $3 per 100 lb. f.o.b. Montreal.

GALVANIZED WIRE.—This is in better demand than a week ago. Quotations are: Nos. 6, 7 and 8 gauge, $3.45; No. 9, $2.80; No. 10, $3.55; No. 11, $3.65; No. 12, $2.95; No. 13, $3.05; No. 14, $4.05; No. 15, $4.55; No. 16, $4.80; No. 17, $5.20; No. 18, $5.45.

SMOOTH STEEL WIRE.—The market is far from active, but some business is being done at the current quotations. We now quote as follows: Bright iron and annealed on a base of $2.60 per 100 lb., f.o.b. Montreal, Toronto, Halifax, London, Hamilton and St. John. Net extras, per 100 lb. are as follows: Coppered wire, 60c.; tinned wire, $2; oiling, 10c.; spring wire, $1.25; best steel wire, 75c.; bright soft drawn, 15c.; special hay-baling wire, 30c.

FINE WIRE.—Some improvement is noted but the inquiry is still on the light side. The discount is unchanged from 22½ per cent.

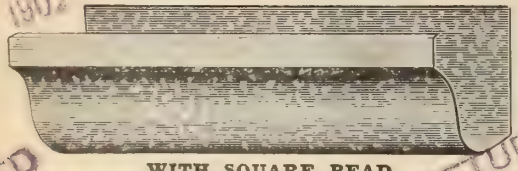
BRASS AND COPPER WIRE.—A moderate trade is being done this week at steady prices. The discount on both brass and copper wire is 60 per cent.

FENCE STAPLES.—The demand for these is brisk. The price remains at $2.90 per 100-lb. keg for bright, and $3.25 for galvanized, but there is an extra of 25c. for 25 or 50-lb. packages. This would be at the rate of $3.15 per 100 lb. for bright, and $3.50 per 100 lb. for galvanized.

WIRE NAILS.—Business is more active this week, but the movement is still unsatisfactory. Our quotations follow: $2.55 for small lots and $2.50 for carlots f.o.b. Montreal, London, Hamilton, Toronto, Gananoque, Brantford, Windsor, Ont., St. John and Halifax.

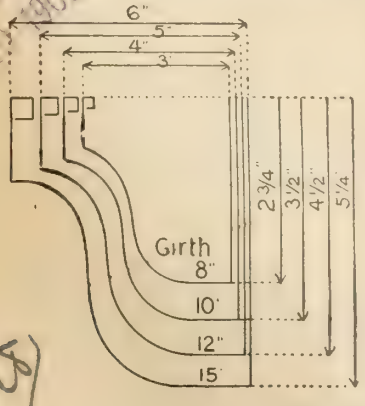
CUT NAILS.—The demand for these has also improved, and is growing as the

Eavetrough and Conductor Pipe



WITH SQUARE BEAD.

O.G. Eavetrough Made of 26 and 28 Galvanized Iron in 5 sizes, with square or round bead.





Half Round Made of 26 and 28 gauge Galvanized Iron with round bead on outside.



CONDUCTOR PIPES.

Corrugated and Plain Round Galvanized Iron.

ALSO MITRES, CORRUGATED AND PLAIN ELBOWS, SPIKES AND TROUGH HANGERS.

The McClary Manufacturing Co.,

LONDON, TORONTO, MONTREAL, WINNIPEG, VANCOUVER, AND ST. JOHN, N.B

"Everything for the Tinshop"

ENGLISH
GERMAN
BELGIAN
CANADIAN
AMERICAN
} PORTLAND CEMENTS.

FIRE
BUILDING
ENAMELLED
SILICA
MAGNESIA
} BRICKS.

DRAIN
CULVERT
} PIPES.

F. HYDE & CO.

31 WELLINGTON ST., MONTREAL

. . FULL STOCK . .

Salt Glazed Vitrified



Double Strength Culvert Pipe a Specialty.

THE CANADIAN SEWER PIPE CO.

HAMILTON, ONT. TORONTO, ONT.
ST. JOHNS, QUE.

Deseronto Iron Co.

LIMITED

DESERONTO, ONT.

Manufacturers of

CHARCOAL PIG IRON

BRAND "DESERONTO."

Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

The Robin Hood Powder Company

If you want the best Trap or Game load in the world, buy "Robin Hood Smokeless," in "Robin Hood" Shells. It is quick, safe, and reliable. Try it for pattern and penetration from forty to seventy yards against any powder on the market. We make the powder, we make the shells, and we load them. Write for our booklet, "Powder Facts."

The Robin Hood Powder Company

SWANTON, VT.

season advances. The price per keg, in small lots, is $2.35, and in carlots, $2.27½. Coopers' and flour barrel nails are discounted at 40 per cent.

HORSE NAILS.—The spring demand for horse nails has begun and an active market is reported this week. Our quotations are as follows: "C" brand at 50 and 7½ per cent. off and "M" brand at 60 per cent. off on oval and new city heads and 66 2-3 per cent. off for new countersunk heads.

HORSESHOES.—The inquiry for horseshoes is quite active, and a rapid improvement may be expected. There has been no change made in prices, and our quotations are as follows: Iron shoes, light and medium pattern, No. 2 and larger, $3.50; No. 1 and smaller, $3.75; snow shoes, No. 2 and larger, $3.75; No. 1 and smaller, $4; X L steel shoes, all sizes, 1 to 5, No. 2 and larger, $3.60; No. 1 and smaller, $3.85; feather-weight, all sizes, $4.85; toe weight, steel shoes, all sizes, $5.95 f.o.b. Montreal; f.o.b. Hamilton, London and Guelph, 10c. extra.

SCREWS.—The market is in a much better condition than last week. Several large orders have been received, and shipments are now going forward. The discounts are unchanged. We quote: Flat head bright, 87½ and 10 per cent. off list; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.

BOLTS.—Business in bolts is still quiet since the change in discounts, and it is not expected to improve greatly for a little while yet. The discounts are as follows: Norway carriage bolts, 55 per cent.; common, 50 per cent.; full square carriage bolts, 55 per cent.; machine bolts, 50 and 5 per cent.; coach screws, 66 2-3 per cent.; sleigh shoe bolts, 65 and 5 per cent.; blank bolts, 50 and 5 per cent.; bolt ends, 50 and 5 per cent.; plough bolts, 50 and 5 per cent. To any retailer an extra discount of 10 per cent. is allowed. Tire bolts, 67½ per cent.; stove bolts, 67½ per cent. Nuts, square, 3½c. per lb. off list; hexagon nuts, 3¾c. per lb. off list. To all retailers an extra discount of ¼c. per lb. is allowed.

BUILDING PAPER.—There is a good demand for building paper, especially for spring delivery. Several shipments, however, are going forward now. The prices are the same. Quotations follow: Tarred felt, $1.70 per 100 lb.; 2-ply, ready roofing, 85c. per roll; 3-ply, $1.10 per roll; carpet felt, $2.25 per 100 lb.; dry sheathing, 30c. per roll; tar sheathing, 40c. per roll; dry fibre, 50c. per roll; tarred fibre, 60c. per roll; O K and I X L, 65c. per roll; heavy straw sheathing, $30 per ton; slaters' felt, 60c. per roll.

CORDAGE.—There is an active but steady market for cordage. Prices are unchanged from our last quotations. We quote as follows: Manila, 16c.; British manila, 14c.; sisal, 12½c.; lathyarn, 11c. Prices on binder twine are as follows: Blue ribbon, 650 feet to the pound, 14½c.; Redcat, 600 feet to the pound, 13½c.; Tiger, 550 feet to the pound, 12½c.; Standard, 500 feet to the pound, 11c.; sisal, 500 feet to the pound, 11c. Prices are subject to a rebate of ¼c. in carload lots.

RIVETS AND BURRS.—There is a very good demand for these this week, and a growing increase in the trade is reported. The discounts are as follows: Best iron rivets, section, carriage, and

THE BEST BRANDS

TINPLATES
"Allaways" Charcoal.
"Lydbrook," "Trym," "Grafton" Cokes.

TINNED SHEETS
"Wilden" Best Coke or Charcoal.

TERNE PLATES
"Dean," dull finish.

CANADA PLATES
"Dominion," polished.

Accept no Substitutes.

A. C. LESLIE & CO.
MONTREAL.



IRON AND BRASS

Pumps

Force, Lift and Cistern Hand and Power.

For all duties. We can supply your wants with —quality the best and prices right. Catalogues and full information for a request.

THE R. McDOUGALL CO., Limited,
Manufacturers, GALT, CANADA.

ADAM HOPE & CO.

Hamilton, Ont.

We offer for prompt shipment

Pig Tin,
L. & F. and STRAITS.
Ingot Copper, O.C.
Pig Lead.
Spelter.
Antimony.

NOVA SCOTIA STEEL & COAL CO., Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN
OPEN HEARTH STEEL.

If you could look into the future



and see the healthy conditions your Varnish Business would be in, by reason of your having handled

"Elastilite,"

you would telegraph for some of it to be sent by express, as a letter and freight would be too slow.

"Elastilite" Varnish

always pleases a particular customer. For outside and inside use. In tins only, from half pints to one gallon. Sealed with our brass cap.

MANUFACTURED ONLY BY

The Imperial Varnish & Color Co. LIMITED

Toronto, Ont., Canada.

Canadian Agents for Buehne's "Red, White and Blue" Brand Steel Wool.

OUR MOTTO:
"Not How Cheap but How Good."

A Good Paint Trade

AND

"Ark Brand" Paint

Go Hand-in-Hand.

For outside work
For inside work.

Drop us a card and we will mail you our booklet and color cards.

THE FRANCIS-FROST CO. Limited
TORONTO.

Canadian Distributing Agents for Grippin's Crack Filler.

wagon box, black rivets, tinned do., coopers' rivets and tinned swedes rivets, 60 and 10 per cent.; swedes iron burrs are quoted at 55 per cent. off; copper rivets, 35 and 5 per cent. off, and coppered iron rivets and burrs, in 5-lb. carton boxes, are quoted at 60 and 10 per cent. off list.

SCREEN WIRE CLOTH.—The demand is active. The price is $1.25 per 100 square feet.

POULTRY NETTING.—Trade is good. We quote the discounts on Canadian or English at 60 per cent. off 2 x 2 mesh, 19 wire, and 55 per cent. off 2 x 2 mesh, heavier, Canadian list.

HARVEST TOOLS.—In these there has been during the past week a great improvement. Dealers report a lively business at unchanged prices. The discount is 60 and 10 and 10 per cent. off.

FIREBRICKS.—The market is featureless. We quote: Scotch, $19 to $23.50; English, $18.50 to $22.50 per 1,000.

CEMENT.—There is no change to report. Business is fair and prices unchanged, and our quotations are as follows: German cement, $2.30 to $2.40; English, $2.25 to $2.35; Belgian, $1.70 to $1.95 per bbl. ex-wharf, and American, $2.20 to $2.30 ex-cars.

METALS.

There has been no change in the situation of the metal market either here or abroad. The firm feeling continues, and in some lines the difficulty of procuring supplies is making itself felt. Locally, there is an active inquiry at current quotations. On all lines quotations can still be given at our last week's figures.

PIG IRON.—Prices on pig iron are very firm and there is an active inquiry. Summerlee sells for $21 to $21.50 and Canadian, $18.50 to $19.

BAR IRON.—It is expected that there will be some difficulty in obtaining all the supplies required, for two or three weeks, owing to the closing down of some mills. It is presumed that, on account of the continued heavy demand for some time past, they have not had much opportunity to get ahead with a stock to last over this time. We quote: Merchants' bar, small lots, $1.95; horseshoe iron, $2.15 to $2.20.

BLACK SHEETS.—The market is steady under a good demand. Prices are firm. We quote as follows: 28 gauge, $2.65; 26 gauge, $2.60; 20 to 24 gauge, $2.50, and 8 to 20 gauge, $2.50.

GALVANIZED IRON.—There is a quiet market, though business shows some improvement over the previous week. Our quotations are as follows: No. 28, Queen's Head, $4.40; Apollo, 10¾ oz., $4.40; Comet, $4.25, with 10c. extra for less than case lots.

INGOT COPPER.—We quote 14c.

INGOT TIN.—A rather better trade has been done this week, but the demand is still very light. Straits are still quoted at 29c.

PIG LEAD.—The market is uninteresting. We quote $3.25.

LEAD PIPE.—Trade is quiet at steady and unchanged prices. Composition waste is quoted at 7½c.; ordinary, 7c. The discount remains at 35 per cent.

IRON PIPE.—Since the reductions in prices last week nothing new has transpired in iron pipe. The demand is only moderate, but improves. We quote standard pipe, per 100 ft., screwed and coupled, in lengths under 19 feet, as follows: Black pipe, ⅛, $3; ¼, $2.40, ⅜, $2.65; ½, $3; ¾, $3.70; 1-in., $5.25; 1¼, $7.40; 1½, $8.90; 2-in., $12.40. Galvanized, ¼, $3.20; ⅜, $3.45; ½, $4; ¾, $5.05; 1-in., $7.25; 1¼, $10.10; 1½, $12.15; 2-in., $16.70. Extra heavy pipe, plain ends, are quoted, per 100 feet, as follows: Black, ½, $4.35; ¾, $5.30; 1-in., $7.60; 1¼, $10.60; 1½, $12.70; 2-in., $17.45. Galvanized, ½, $5.35; ¾, $6.70; 1-in., $9.60; 1¼, $13.30; 1½, $15.95; 2-in., $21.75. For threads and couplings 5 per cent. is added.

TINPLATES.—Prices are firm on tinplates, but the movement is light, and is little, if at all, improved. Cokes sell for $4.25 per box; charcoal for $4.75 to $5.25 per box.

CANADA PLATE.—Quite a few inquiries have been received for Canada plate for immediate delivery. Prices are firm. Our quotations are now as follows: 52's, $2.65 to $2.70; 60's, $2.75 to $2.80; 75's, $2.80 to $2.85; full polished, $3.75, and galvanized, $4.25 to $4.35.

STEEL.—There is a good demand and the market is inclined to strengthen. We quote: Sleighshoe, $2.10; tire, $2.15; bar, $2.05; spring, $2.85; reeled machinery, $3; toecalk, $2.60.

SHEET STEEL.—A small amount of business is doing at the following prices: Nos. 10 to 20, $2.50; 3-16, $2.50; ¼, 5-16 and ⅜, $2.40.

TOOL STEEL.—A fair and growing demand is noticed this week. "Diamond" is still quoted at 8c. and Jessop's at 13c.

TERNE PLATES.—There is still very little doing, and the price is unchanged. from $7.75 to $8.

COIL CHAIN.—A brisk business is doing in almost all chains. A difficulty is still experienced in obtaining some

sizes. Quotations are as follows : No. 6, 12½c.; No. 5, 10½c.; No. 4, 10c.; No. 3, 9½c.; ¼-in., 7½c. per lb.; 5-16, $4.80 ; 5-16 exact, $5.25 ; ⅜, $4.25 ; 7-16, $4.05 ; ½, $3.85 ; 9-16, $3.75 ; ⅝, $3.55 ; ¾, $3.50 ; ⅞, $3.45 ; 1-in., $3.45. In carload lots an allowance of 10c. is made.

SHEET ZINC.—There is nothing doing. We quote $5.75 to $6.25.

ANTIMONY.—We quote 10c.

ZINC SPELTER.—This is unchanged. Spelter sells for 5c.

SOLDER.—A good demand continues. Bar solder is worth 18c., and wire solder 20 cents.

PAINTS AND OILS.

The feature of the paint and oil market is the sharp advance in turpentine of 8c., the price, for single barrels, now being at 75c. In the opinion of several of the operators, the price will gradually stiffen until the arrival of the new crop in June. While there is no complaint as to the scarcity of stock, the demand is so lively for this essential article that it is at present one of the best paying commodities which it is possible to hold. The lively trend on trade still continues, and the chief point with the makers of paint, especially of liquid paints, is not how to get in orders, but how to get them out. Paris green shows some slight firmness. There has been no change in quotations, but there is certainly now no disposition to shade prices. White lead is in a little better demand, but there is still room for improvement in the turnover. English vermilion is scarce, and is held at firm figures in a few hands. There has been a fair movement in red lead and litharge, which easily maintain their prices in view of the fact that stocks will be getting light before the spring fleet arrives. The factories have more orders for liquid paints than they can conveniently handle, and one has been running till eight and ten o'clock at night and has now arranged to double its hands and run night and day. We quote :

WHITE LEAD.—Best brands, Government standard, $5.87½; No. 1, $5.50 ; No. 2 $5.12½ ; No. 3, $4.75 ; No. 4, $4.37½ all f.o.b. Montreal.

DRY WHITE LEAD—$5.25 in casks ; kegs, $5.50.

DRY WHITE ZINC — Pure dry, 6½c. ; No. 1, 5½c. ; in oil, pure, 7½c. ; No. 1, 6½c. ; No. 2, 5½c.

PUTTY — We quote : Bulk, in bbls., $1.90 per 100 lb. ; bulk, in less quantity, $2.05 ; bladders, in bbls., $2.25 ; bladders, in 100 or 200 lb. kegs or boxes, $2.40 ; in tins, $2.55 to $2.65 ; in less than 100-lb. lots, $3 f.o.b. Montreal, Ottawa, Toronto, Hamilton, London and Guelph. Maritime Provinces, 10c. higher, f.o.b. St. John and Halifax.

ORANGE MINERAL—Casks, 7c. ; 100 lb. kegs, 7½c. ; smaller quantities, 8½c.

RED LEAD — Genuine red lead in casks, $4.50 ; in 100-lb. kegs, $4.75 ; less quantities, $5.75 per 100 lb. No. 1 red lead, casks, $4.25 ; kegs, $4.50, and smaller quantities, $5.50.

LITHARGE—Ground, casks, 5c. ; less, 5½c. ; flake litharge, casks, $5.25 ; smalls, $5.75 per 100 lb.

LINSEED OIL.—Raw, 80c.; boiled, 83c. In 5 to 9 bbls., 1c. less ; 10 to 20 bbl. lots open, net cash, plus 2c. for four months. Delivered anywhere in Ontario between Montreal and Oshawa at 2c. per gal. advance and freight allowed.

TURPENTINE.—Single bbls., 75c. ; 2 to 4 bbls., 74c. ; 5 bbls. and over, open terms.

SHELLAC VARNISH — Pure white, $2.35 to $2.45 ; orange, $2.25 to $2.35.

MIXED PAINTS—$1.20 to $1.45 per gal.

CASTOR OIL—8¾ to 9¼c. in wholesale lots, and ¼c. additional for small lots.

SEAL OIL.—47½ to 49c.

COD OIL—32½ to 35c.

PARIS GREEN — Petroleum barrels, 16¾c. per lb.; arsenic kegs, 17c.; 50 and 100-lb. drums, 17½c.; 25-lb. drums, 18c. ; 1-lb. packages, 18½c.; ½-lb. packages, 20½c.; 1-lb. tins, 19½c.; ½-lb. tins, 21½c. f.o.b. Montreal. Terms : 3 per cent. 30 days, or four months from date of delivery.

SCRAP METALS.

The trade in scrap metals is quite active this week. The price of wrought iron remains firm and will likely remain so until supplies from abroad arrive. This, with the opening of navigation, will create a much different situation in the market. Nos. 1 and 2 wrought iron are quoted at $1 higher this week. Zinc and stove plate are also a shade higher. We quote : Heavy copper and wire, 11c. per lb.; light copper, 8c.; heavy red brass, 11c.; heavy yellow, 9c.; light brass, 5c.; lead, 2¾ to 2¾c.; zinc, 2½c.; iron, No. 1, wrought, $18 ; No. 2, $8 per ton ; machinery scrap, $15 ; stove plate, $10 to $11 ; malleable and steel, $5 ; mixed country rags, 60 to 70c. per 100 lb.; old rubbers, 6c. per lb.

GLASS.

Business among the wholesalers is quiet now. Practically all the trade have received their supplies. We quote as follows : First break, 50 ft., $2.10 ; second, $2.20 for 50 ft.; first break, 100 ft., $4 ; second break, $4.20 ; third break, $4.70 ; fourth break, $4.95.

HIDES.

There has been no change whatever in the hide market since our last report. Deliveries continue very light, and stocks are becoming lower. The demand, however, is not large. We quote : No. 1 hides, 7c.; No. 2, 6c.; No. 3, 5c.; No. 1 calfskins, 10c.; sheepskins, 65c.

MONTREAL NOTES.

Heavy screw hooks and hinges are about 25c. per 100 higher.

Turpentine has advanced 8c., and is now quoted at 75c. in single barrels.

White enamelled ware has been reduced in price, and is about 10 per cent. lower.

Twenty-five cents extra is now charged for 25 and 50-lb. packages of fence staples.

ONTARIO MARKETS.

Toronto, March 27, 1902.

HARDWARE.

SPRING trade is gradually becoming more pronounced. The wholesale houses are this week about as busy as they want to be. The demand for spring goods is active, and such lines as manure and digging forks, gas and oil stoves, rope, enamelled ware, eavetrough and conductor pipe, and churns are being rapidly shipped. There is a fairly good business in wire nails, bolts, rivets and screws. Fence wire is beginning to move a little better. Prices are much about the same as they were a week ago.

BARB WIRE.—The movement is fair this week. Quotations are as follows :



F.o.b. Cleveland, $2.77½ for less than carlots, and $2.65 for carlots. From stock Toronto, $3.

GALVANIZED WIRE.—The movement is also fair in this line, and our quotations are as follows : Nos. 6, 7 and 8, $3.50 to $3.85 per 100 lb., according to quantity ; No. 9, $2.85 to $3.15 ; No. 10, $3.60 to $3.95 ; No. 11, $3.70 to $4.10 ; No. 12, $3 to $3.30 ; No. 13, $3.10 to $3.40 ; No. 14, $4.10 to $4.50 ; No. 15, $4.60 to $5.50 ; No. 16, $4.85 to $5.35. Nos. 6 to 9 base f.o.b. Cleveland are quoted at $2.52½ in less than carlots and 12c. less for carlots of 15 tons.

SMOOTH STEEL WIRE.—The demand for oiled and annealed wire continues to improve. Practically nothing is being done in hay-baling wire. Base price, $2.60 per 100 lb. Oiling, 10c.; coppering, 60c.;and tinning, $2 per 100 lb. extra. Delivery points Toronto, Hamilton, London and Montreal, with freights equalized on those points.

FINE STEEL WIRE.—Business is only moderate. Discount is 22½ per cent.

WIRE NAILS.—The movement is, if anything, a little better than it was a week ago. Our quotations are as follows : $2.55 for less than carlots and $2.50 for carlots. Delivery points, Toronto, Hamilton, London, Gananoque and Montreal.

CUT NAILS.—Still quiet and featureless. Base price is $2.35 per keg, with 7½c. allowance on carlots.

HORSE NAILS.—Business is only moderate. Discounts are as follows : "C" brand, oval head, 50 and 7½ per cent., and on "M" and other brands, 50, 10 and 5 per cent. Countersunk head 60 per cent.

HORSESHOES.—Very little doing. We quote f.o.b. Toronto as follows : Iron shoes, No. 2 and larger, light, medium and heavy, $3.60 ; snow shoes, $3.85 ; light steel shoes, $3.70 ; featherweight (all sizes), $4.95 ; iron shoes, No. 1 and smaller, light, medium and heavy (all sizes), $3.85 ; snow shoes, $4 ; light steel shoes, $3.95 ; featherweight (all sizes), $4.95.

SCREWS.—Business appears to be rather brisker than it was even a week ago. The manufacturers, however, complain of the low prices that are ruling, due, in turn, to the fact that the manufacturers in the United States are also low in their quotations. The discounts are as follows: Flat head bright, 87½ and 10 per cent; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.; round head bronze, 65 per cent., and flat head bronze 70 per cent.

RIVETS AND BURRS.—A good trade is still the feature of this line. We quote as follows: Iron rivets, 60 and 10 per cent.; iron burrs, 55 per cent.; copper rivets, with usual proportion of burrs, 45 and 10 per cent.; copper burrs alone, 30 and 10 per cent.

BOLTS AND NUTS.—Trade is still good. Quotations are as follows: Carriage bolts, common (81 list), 50 per cent.; carriage bolts, full square ($2.40 list), 55 per cent.; carriage bolts, Norway iron ($3 list), 55 per cent.; machine bolts, all sizes, 50 and 5 per cent.; coach screws, cone points, 66 2-3 per cent.

ROPE.—A good seasonable trade is being done and prices rule firm. We quote: Pure manila, 16c.; British manila, 14c.; sisal, 12½c.; lathyarn, 11c.; sisal bed cord, 3 cord, 48 ft., 65c.; 60 ft., 80c.; 72 ft., 95c. per doz.

BINDER TWINE.—There is not a great deal doing this week, and although quite a number of orders have been booked for the season's requirements it is the opinion that they are not as numerous as last season's. People appear to be inclined to await developments. Quotations are as follows: "Blue Ribbon," 650 ft., 14½c.; "Red Cap," 600 ft., 13½c.; "Tiger," 580 ft., 12½c.; sisal, 500 ft., 11 cents.

BARN DOOR HINGES.—The demand is fair at the recent advance, and quotations are as follows: 6 to 10 inch at $4.50, and 12-inch and up, $3.50. Business is fairly good.

MILK CAN TRIMMINGS.—Business is just moderate, there being no large orders. Discount 25 per cent.

SAP BUCKETS.—Just an occasional order being received, the season being about over. Discount 40 and 10 per cent.

EAVETROUGH, ETC.—There is a good movement in eavetrough and conductor pipe. Eavetrough is quoted at $3.10 per 100 feet for 10-inch, and conductor pipe at $1 for 3-inch, and $5.25 for 4-inch.

ENAMELLED WARE.—There is a fair demand and quite a number of orders have been taken for shipment April 1.

TINWARE.—There is not a great deal being done.

GAS AND OIL STOVES.—The demand this week is good both for oil and gas stoves. More inquiry is heard for gasoline stoves than for some years. Owing to a combination among the blue-flame oil stove manufacturers in the United States local wholesale dealers are quoting higher prices, the discount now being 15 per cent. instead of 20 per cent.

SCREEN DOORS AND WINDOWS.—Only an occasional order is being received. Common doors, 2 or 3 panel, are quoted f.o.b. factory points: Walnut, stained, 3-in. style, $6.80 per dozen; stained, yellow, $7; natural color, oil finish, $8.15; 4-in. style, 20c. extra per dozen. Windows: No. 0, $1.60; No. 1, $1.70; No. 2, $1.95; No. 3, $2.10; No. 4, $2.50 per dozen.

SPADES AND SHOVELS.—Trade is fairly good. Discount 40 and 5 per cent.

HARVEST TOOLS.—There is quite an active demand for manure forks and other similar lines. Discount 60, 10 and 10 per cent.

BUILDING PAPER.—Trade is fair. Our quotations are as follows: Dry sheathing, grey or straw, 30c. per roll; tar sheathing, grey or straw, 40c. per roll; dry fibre, 50c. per roll; tarred fibre, 60c per roll.

LAWN MOWERS.—A few orders are being placed. We quote: Discount on high-wheel mowers, 50 per cent.; "Star" mowers, 9-in. wheels, $2.50 to $3; "Daisy" mowers, 17-in. wheels, $2.25 to $2.50.

CEMENT.—Trade is improving and a number of orders have been shipped. We quote: Canadian Portland, $1.90 to $2.75; Canadian hydraulic, $1.25 to $1.50; German cement, $3; English, $3 to $3.15; Belgian, $2.50 to $2.75 per bbl., and American, $2.20 to $2.30 ex-cars.

METALS.

The market is fairly active, with prices firm, as a rule.

PIG IRON—The demand is good and prices firm. It is still very difficult to get delivery from the furnaces. The idea for No. 2 foundry Canadian iron is $19.50 on track Toronto.

BAR IRON—The market is still active and prices firm. Some of the mills are still unable to supply the demand. We quote price at $1.95 to $2.05. Extras cut to length while rolling: 2 ft. and over, 10c. per 100 lb.; 1 ft. and under 2 ft., 15c.; under 1 ft., 20c.; over 20 ft. by special agreement, according to length and size.

STEEL—The market is still strong, and private advices from the United States say that an advance in price is looked for on April 1. We quote as follows: Merchantable cast steel, 9 to 15c. per lb.; drill steel, 8 to 10c. per lb.; "B C" and "Black Diamond" tool steel, 10 to 11c.; Jessop's, Morton's and Firth's tool steel, 14c.; toe-calk steel, $2.85 to $3; tire steel, $2.30 to $2.50; sleighshoe steel, $2.10 to $2.25; reeled machinery steel, $3, hoop steel, $2.90.

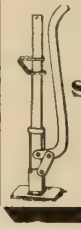
BLACK SHEETS—The demand continues good. We quote: Common, $3.15 for 28 gauge; and dead flat, $2.50 for 26 gauge.

CANADA PLATES—There is not much doing. We quote: All dull, $3; half polished, $3.10; all bright, $3.75.

GALVANIZED SHEETS—The early spring is naturally reflected in the demand for galvanized sheets, and trade during the week has been fairly active. We quote as follows: "Queen's Head" brand at $4.50 in case lots, and $4.65 in less quantities.

TIN—A good business has been done during the past week in both small and large lots. The outside markets are quiet. Locally, prices are unchanged at $29 to $30 per 100 lb.

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.
'WELLINGTON' KNIFE POLISH
JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
Wellington Mills, London, England.
Agent:
JOHN FORMAN, 644 Craig Street
MONTREAL


COVERT MFG. CO.
West Troy, N.Y.
Steel Carriage and Wagon Jacks,
Harness Snaps, Chain, Rope and Web Goods, etc.
FOR SALE BY JOBBERS AT MFRS. PRICES.

PRIEST'S CLIPPERS


Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., U.S.A.

NEWMAN'S PATENT
INVINCIBLE FLOOR SPRINGS
Combine all the qualities desirable in a Door Closer. They work silently and effectually, and never get out of order. In use in many of the public buildings throughout Great Britain and the Colonies.
MADE SOLELY BY
W. NEWMAN & SONS, Birmingham.

Oneida Community Goods
HALTERS, COW TIES SNAPS, etc., etc.,
in all sizes and styles. May be had of all jobbers throughout Canada.
Factory—NIAGARA FALLS, ONT.

GARDEN AND ALL OTHER STYLES OF
WHEELBARROWS, WASHING MACHINES,
ROUND AND SQUARE,
ROTARY AND REACTING.
Warehouse Trucks, Bag Trucks, Barrel Trucks, etc., etc.
WRITE FOR PRICES.
CLELAND BROS & CO.,
MEAFORD, ONT. (12)

TINPLATES — The demand continues good, but deliveries are coming forward very slowly and this is causing a great deal of inconvenience. One firm that was expecting four carloads of tinplates from England received a shipment this week that was not equal to one carload. We still quote IC at $4.25.

TINNED SHEETS—This is between the seasons, and orders are only of a sorting nature. We quote: 72 x 30, up to 24 gauge, 7½c.; ditto, up to 26 gauge, 8c.

TERNE PLATES—Business is quiet this week. We quote I C, 20 x 28, at $8.50.

COPPER — The demand is fair both in ingot and sheet copper. We quote ingot unchanged at $15 per 100 lb.

BRASS—Trade is quiet. Discount 15 per cent.

PIG LEAD—Trade is quiet. We quote: Pig lead at $3.50 to $3.75, and bar lead at $5.

IRON PIPE — Trade keeps fairly good. We quote per 100 ft.: ⅛ in., $3; ¼ in., $2.50; ⅜ in., $2 75; ½ in., $3; ¾ in., $3 70; 1 in., $5.25; 1¼ in., $7.40; 1½ in., $8 90; 2 in., $12.40; galvanized, 1 in., $7.25. Trade discount 4 per cent.

ZINC SPELTER—There is a light movement. We quote $5.50 to $6 per 100 lb.

ZINC SHEET—Orders are still numerous but for small quantities. We quote $6 to $6.25 in casks and $6.25 to $6 50 in part casks.

SOLDER—The demand continues good. We quote: Half-and-half, guaranteed, 19c.; do. commercial, 18½c.; refined, 18c.; wiping, 17½c.

ANTIMONY—Some business is being done in small lots. We quote 10c. per lb. for Cookson's.

PAINTS AND OILS.

There has been a jump of 8c. per gal. in turpentine since last week, and the indications are that prices may go higher. The stock of turpentine in the Southern States is reported to be small, and prices there have been steadily advancing. The supply of turpentine on hand locally is also small. Raw and boiled oils continue firm, and they have recently become quite active, the sales being mostly for local consumption. Ochres and dry colors generally are beginning to move freely. White leads in oil continue in good demand. Wholesale paint merchants report that outside customers are buying in larger quantities this year than formerly. Also, there are a good number of sales being made to people never heard of before, and this is taken as a good omen for the future expansion of trade. Beyond the advance in turpentine above mentioned, there has been no other change in prices. We quote:

WHITE LEAD—Ex Toronto, pure white lead, $5.87½; No. 1, $5.50; No. 2. $5.12½; No. 3, $4.75; No. 4, $4.37½ in pkgs. of 25 lb. and upwards; ½c. per lb. extra will be charged for 12½-lb. pkgs.; genuine dry white lead in casks, $5.12½.

GLOBE BRAND

Files and Rasps

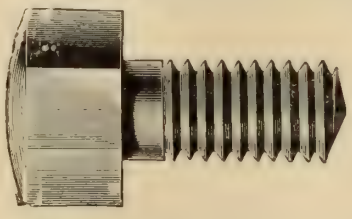


ALL SIZES,
ALL SHAPES,
ALL CUTS,
FOR ALL PURPOSES.

Are now manufactured by the NICHOLSON FILE CO. at their DOMINION WORKS, Port Hope, CANADA.

Made from first quality Cast Steel, by experienced workmen.
Every File carefully inspected, thoroughly tested and fully warranted.
For sale by all prominent Hardware Merchants throughout the Dominion.

WALTER GROSE, Selling Agent, MONTREAL



THE JOHN MORROW MACHINE SCREW COMPANY, Limited

Manufacturers of

Set and Cap Screws, Special Milled Work, Engine Studs, Etc. Cold Punched Nuts of every variety of finish.

INGERSOLL, ONT.

RED LEAD—Genuine, in casks of 560 lb. $5.12½; ditto, in kegs of 100 lb., $5.50; No. 1, in casks of 560 lb., $4; ditto, kegs of 100 lb., $4.50.

LITHARGE—Genuine, 6 to 6½c.

ORANGE MINERAL—Genuine, 7½ to 8c.

WHITE ZINC—Genuine, French V.M., in casks, $6 to $6.25; Lehigh, in casks, $6.

BENZINE—In barrel lots, 16½c. per gal.; less quantities, 25c. per gal.

PARIS WHITE—90c. to $1 per 100 lb.

WHITING — 65c. per 100 lb.; Gilders whiting, 80c.

GUM SHELLAC — In cases, 35c.; in less han cases, 40c. per lb.

LIQUID SHELLAC—Pure orange, in bbls., $2.25 to $2.35; white, $2.35 to $2.45 per gal.; in less quantities, 10c. extra.

PUTTY—Bladders, in bbls., $2.25; bladders, in 100 lb. kegs, $2.40; bulk in bbls., $1.90; bulk, less than bbls. and up to 100 lb., $2.05; bladders, bulk or tins, less than 100 lb., $2.90.

PLASTER PARIS—New Brunswick, $1.90 per bbl.

PUMICE STONE — Powdered, $2.50 per cwt. in bbls., and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in bbls.

LIQUID PAINTS—Pure, $1.20 to $1.30 per gal.

CASTOR OIL — English, in cases, 9½ to 10c. per lb. and 10 to 10½c. for single tins.

LINSEED OIL—Raw, 1 to 4 barrels, 82c.; boiled, 85c.; 5 to 9 barrels, raw, 81c.; boiled, 84c., delivered. To Toronto, Hamilton and London, 2c. less.

TURPENTINE—Single barrels, 76c.; 2 to 4 barrels, 75c., delivered. Toronto, Hamilton and London 1c. less. For less quantities than barrels, 5c. per gallon extra will be added, and for 5-gallon packages, 50c., and 10-gallon packages, 80c. will be charged.

GLASS.

A good demand is springing up, and locally the movement from stock is quite brisk. We quote: Under 26 in., $4.25; 26 to 40 in., $4.65; 41 to 50 in., $5.10; 51 to 60 in., $5 35; 61 to 70 in., $5.75; 71 to 80, $6.25; 81 to 85, $7; 86 to 90, $7 75; Toronto, Hamilton and London. Terms, 4 months, or 3 per cent. 30 days. Discount off pane price list, 33⅓ per cent.

OLD MATERIAL.

There is a good demand for all scrap metals. We quote as follows: Agricultural, 60 to 65c. per cwt.; machinery cast, 60 to 70c.; heavy copper, 10½c. per lb.; stove cast, 40 to 50c.; No. 1 wrought, 60 to 70c. per 100 lb.; new light scrap copper, 7½ to 9½c. per lb.; bottoms, 8½ to 9c.; coil wire, 10 to 10½c.; light brass, 5 to 6c.; heavy yellow brass, 7½ to 8c.; heavy red brass, 8½ to 10c.; scrap lead, 2¼c.; zinc, 2 to 2½c.; scrap rubber, 6c.; good country mixed rags, 50 to 60c.; clean dry bones, 40 to 45c. per 100 lb. The higher prices are what is paid in car lots f.o.b. Toronto, and lower are for less than car lots.

PETROLEUM.

The demand is steady at unchanged

prices. We quote: Pratt's Astral, 16½ to 17c. in bulk (barrels, extra); American water white, 17 to 17½c. barrels; Photogene, 16½ to 17c.; Sarnia water white, 16 to 16½c. in barrels; Sarnia prime white, 14½ to 15c. in barrels.

COAL.

There is some improvement in the coal situation and dealers here are not finding so much difficulty in filling their orders. The prices are unchanged. We quote at international bridges as follows: Grate, $4.75 per gross ton; egg, stove and nut, $5 per gross ton; soft coal, $2.50 to $3.25 in bond, according to grade.

MARKET NOTES.

Turpentine has advanced 8c. per gal.

NOVA SCOTIA MARKETS.

HALIFAX, March 25, 1902.

THE wholesale hardware trade has been very active during the last week, as during the preceeding two or three weeks, and large spring orders continue to come in rapidly, and the various firms are kept busy filling them. The same difficulty experienced last year has appeared, that of procuring goods promptly from first hands. However, the city dealers have been carrying large stocks, and are able to work off their orders very promptly.

* * *

The retail trade has only been fairly active, and will, no doubt, suffer somewhat during the next few weeks by the sale of Crowell Bros.' stock damaged by the fire. This firm has now advertised at auction, to commence this week, "what was $40,000 worth." Much depends on whether the sales are made in large or small quantities, and whether the purchases are made in or out of the city.

* * *

Considerable advances have been made during the last 10 days in carriage bolts, bar iron and iron used by pipe manufacturers. Foreign iron and steel markets are firm, and advances all along the line are anticipated to take effect at any time. The orders coming in from various points in the Province indicate that there will be much greater activity in the building trade this season than last. Payments are made very promptly, and a healthy state of the country is apparent, indicating the prospects of a good year's business ahead.

* * *

The business in fishing supplies for the last two or three weeks has been very active, and the fishermen are now pretty well fitted out for the season's work. Prices for nets, lines and twines are firm at late advances, owing to the firmness of the cotton market. Further advances are also anticipated in sisal and manila cordage, which has been very firm for some time and has been subject to advances.

* * *

It is reported that the manufacture of barb wire, wire fencing, etc., has increased 25 per cent. over a year ago, and that the product will then not even meet the demand. The largest manufacturers in this line in the Province are the firm of Munro Bros., New Glasgow. This firm is now being incorporated by the Legislature as a joint stock company, and the capital will be increased, looking to a larger output. This firm commenced in a very small way some years ago to manufacture spring beds, and have gradually developed to a large manufacturing concern, manufacturing many lines of wire goods.

R. C. H.

BUILDING AT NORTH SYDNEY, C.B.

Vooght Bros.' departmental store at North Sydney, C.B., when finished, will be four storeys high, with a frontage of 118 feet on Commercial street, and extending back 92 feet. There will be a basement to the building, and two entrances. The structure will be built of brick and stone.

A large fire and burglar-proof building is to be erected on Commercial street for the Bank of Nova Scotia. It will be entirely constructed of brick and stone and will have the most up-to-date improvements.

A large two-storey structure of brick and stone will furnish accommodation for the Union Bank of Halifax on Commercial street, when completed. Its interior will also be handsomely furnished.

BUILDING IN LEAMINGTON.

Quite a building boom will be going on at Leamington during the coming summer. Residences are now being built for L. J. Wright, Wesley Coulson, Mrs. Coultis, Harry Turner, John Hutchinson and L. S. Moore. A two-storey brick block will be built for Wesley Coulson, a two-storey brick block for J. B. Wynne, and the block of Jackson, Foster & Harrison that was partially destroyed by fire some time ago will be rebuilt. Repairs will be made to the residences of Hugh Lindsay, E. Foster, Ed. Smith, M. Ryall and to the block of W. Hepinstall.

FIRE IN POLSON'S WORKS.

On Monday night, March 24, The Polson Iron Works on Esplanade east, Toronto, were damaged by fire to the extent of $7,000 or $8,000. The place was completed gutted. Electric wires are supposed to have caused the fire.

In the building were stored some expensive patterns; a quantity of planing machinery was on the ground floor, and there was some valuable lumber being planed for a yacht that is being built for Charles Macdonald, of New York. Some of the patterns were for the new Government dredge for Montreal harbor.

There was insurance on the building of a considerable amount. The loss is divided as follows: About $5,000 to $7,000 on the patterns; $2,000 on the planing machinery, and $400 on the building.

CAUGHT RED-HANDED.

A man named John McInnis was caught stealing some sewer pipe from the rear of the premises of Purdy & Mansell, plumbers, on Adelaide street, Toronto, on Tuesday, March 25, by some employes of the firm. The man had an express wagon, on which he was loading the pipe. When caught, he declared that he had been sent there by The Bennett & Wright Plumbing and Heating Co., but his statement, upon investigation, was found to be untrue. McInnis was handed over to Detective Black and locked up to await a trial on a charge of theft. The accused lives at 49 Richmond street east.

He was before the Police Magistrate on Wednesday and was remanded for a week.

"ANCHOR" STRAW HAT ENAMEL

For Making Old Straw Hats Look New.



Retails readily at 10c. per tin, and can be successfully used by anyone.

Send your orders in early, as we wish to have you supplied in time to meet the rush.

A handsome framed Show-Card furnished to all buyers.

HENDERSON & POTTS

Sole Manufacturers,

HALIFAX AND MONTREAL.

American Steel & Wire Co.

New York: Empire Building. Montreal: New York Life Building. Chicago: The Rookery.

BARB WIRE. GALVANIZED PLAIN WIRE.
PLAIN TWIST CABLE FENCING.

Telegraph and Telephone Wire, Mattress, Broom, Weaving Wires of every description, Rail Bonds, Bale Ties, Special Wires for all purposes. Springs, Horse Shoes, Wire Rope, Cold Drawn Steel Shafting.

BEAMS CHANNELS ANGLES PLATES

1,500 TONS FOR SALE

All of this material in lengths from 40 to 60 feet.
We can ship promptly, and should be pleased to receive your order.
Prices and stock lists on application.

STEEL FRAME BUILDINGS and ROOF TRUSSES.

Also Steel Bridges for Railways and Highways.

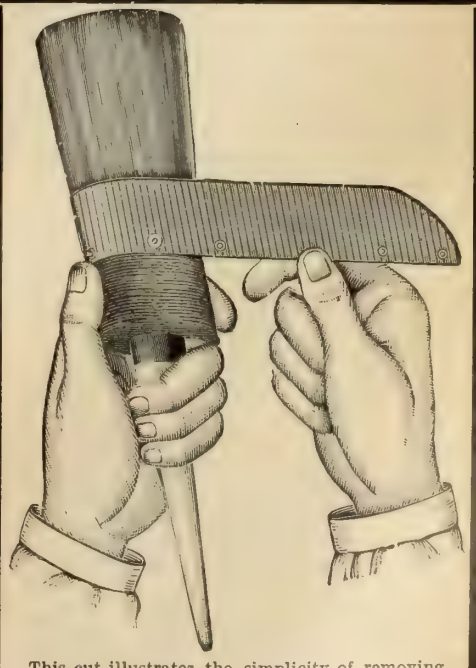
THE HAMILTON BRIDGE WORKS COMPANY LIMITED

Long Distance Telephone, Hamilton 630. HAMILTON, CANADA.

Boeckh's Standard Brushes
Bryan's London Brushes
Cane's Newmarket Woodenware

OUTSELL ALL OTHERS

Profitable for dealers to handle.
Profitable for consumers to use.
If you are not fully stocked
Better place order at once.
Prompt shipment assured.
Write for our 1902 Catalogue.



This cut illustrates the simplicity of removing or replacing bridle of **Boeckh's** Bridle Brush.

UNITED FACTORIES, Limited

OPERATING—
Boeckh's Toronto Factories,
Bryan's London Factories,
Cane's Newmarket Factories.

Head Office,
TORONTO, ONT.

HEATING AND PLUMBING

THE THREATENED STRIKE OF TORONTO PLUMBERS.

THE Plumbers, Steam and Gas Fitters' Union, Toronto, are demanding 37½c. per hour. At present they are receiving 32½c. per hour under an agreement entered into last spring and which was to have remained in force until 1904. They cannot, therefore, ask for an increase without breaking this contract. But at a meeting of the Union on March 21 it was suggested that the proposed advance be asked for, and a committee was appointed to confer with their employers concerning it.

"Hardware and Metal" interviewed several of the leading master plumbers of Toronto to ascertain their views on the matter, and, although, not caring to have their names mentioned, the general opinion seemed to be that the demands of the journeymen were preposterous.

The existence of the present contract is held to be a bar to an advance, and it is felt that at least the men ought to live up to their bargain which was considered quite a concession to them at the time it was made. Should they go on strike it is believed that the sympathies of the public will be against them.

It is urged by some of the members of the Union that the master plumbers have not yet fulfilled this agreement, but it is stated against this that there was a grievance committee appointed at the time the contract was made to heal all complaints. Nothing has yet been brought before this committee and so it is held the allegations of the men are unfounded.

It is also claimed that should the plumbers strike, the law would be against them, as they could not do so without breaking their agreement. The Hon. Wm. Mulock, the Dominion Minister of Labor, it is stated, if appealed to, would only tell them to observe their contract.

A leading master plumber informed "Hardware and Metal" that the Supreme Court of Great Britain holds that in case of a strike in violation of a contract entered into by the men with their masters, the men should be held liable for any damage committed by them through their lockout. It is held that this ruling would apply here.

VANCOUVER PLUMBERS WANT HIGHER WAGES.

The Vancouver, B.C., plumbers are out for more wages and shorter hours. At a recent meeting a list of demands was drawn up to be presented to the master plumbers, with a request that they go into effect on April 1.

The principal features are: Eight hours to constitute a day's work; journeymen to receive $3.60 per day, and juniors, $2.50; overtime, price and a half up to 10 p.m., and double after that; double time to be allowed for work done Sundays and holidays; the boys now employed to be retained and no new ones to be taken on till the present supply is exhausted; only one to be employed in each shop; he must work four years as a helper and two years as a junior; no more than one junior to be employed in a shop until there are three journeymen; if any are to be discharged, juniors are to go first; no laborer, driver, or office help to be employed on a plumbing job; boss to pay travelling expenses when work done out of the city; no more than one master plumber to work on a job; fine for violation of agreement to be from $5 to $25; Saturday afternoon to be a legal holiday; but men to work if it be absolutely necessary; journeymen and juniors to be paid within one hour after quitting work on Saturdays.

PLUMBING AND HEATING CONTRACTS.

OWEN & PRESTO, plumbers and gasfitters, Toronto, have secured the contract for the plumbing and gasfitting of a residence for J. Kelso, at 18 St. Vincent street.

Guest & Co., plumbers, Toronto, have secured contracts for the plumbing of two houses at Kew Beach for Wm. Charlton; the plumbing of a house at Kew Beach for Hunter Brown; the gasfitting of a residence at Kew Beach for Wm. Harvey; the plumbing and gasfitting of houses at Kew Beach for Kew Williams, for Mr. Holman and for Mr. Gates; the plumbing of a boathouse for R. S. Williams at Kew Beach; the plumbing of a residence at Kew Beach for ———. Sellers, and also the waterworks on about 20 houses at that place; The plumbing of Thos. Walmsley's house, Deer Park; the installation of a heating apparatus and system for Dr. Wilberforce Aikens, Church street; the installation of hydraulic water motors in St. Jerome's College, Berlin; in a church in connection with the above college at Waterloo, in a residence of Edmond Brown, Brantford, and a residence of F. W. Lyonde, Toronto.

BUILDING PERMITS IN HAMILTON

Building permits at Hamilton have recently been granted to Frank Taulty, for a brick cottage on Catharine street, between Ferrie and Simcoe streets, to cost $650; to George White, for a brick stable in rear of 163 East Main street, to cost $200; to T. Tribute, for alterations and additions to a house at the corner of York and Inchbury streets, to cost $600; and to W. A. Edwards, for brick additions to the premises of The B. Greening Wire Co., to cost $4,000; to John Hummel, for a brick addition to 95 South Bay street, for C. H. Bampfylde, to cost $2 E; to Thomas Allen, for three brick dwellings on Augusta street, between Catharine and Walnut streets, to cost $3,600; to George H. Milne, for a brick dwelling on Earl street, between Barton and Princess streets, for Albert Marks, to cost $1,200; to Thomas Lovejoy, for a brick stable on East King street, between Walnut street and Ferguson ave., for R. B. Spera, to cost $150; and E. Kenrick, for a brick addition to 13 East Main street, to cost $250.

BUILDING PERMITS IN TORONTO.

THE building permits taken out in Toronto for the week are as follows: P. Maher, for a two-storey brick stable in rear of 16 Hayden street, for $8,000; Jno. Patterson, for a pair of two-and-a-half storey brick dwellings, semi-detached, with stables, at 17 and 19 McCaul street, for $6,500; Gideon Henderson, for a two-and-a-half storey brick dwelling on Glen Road, for $7,000; S. T. Aberdeen, for a two-storey and attic brick dwelling on Gladstone avenue, for $2,800; Wm. Ryan, for a new shop front to building at 178 Queen street east, for $150; G. Guest, for a brick foundation under dwelling at No. 1 Broadview ave., for $150; Mr. Bowerman, for a two-storey brick addition to dwelling at 52 Fallis ave., for $300; Rutherford, Marshall & Co., for the construction of egg vats at 68 Front street east, for $500; J. H. Renyhart, for a brick and cement cellar under dwelling at the corner of Elm street and Centre ave., for $100; B. Pressley, for a new wood and glass shop front under dwelling at 353 Queen street east, for $100; T. Roden, for a one-and-a-half storey roughcast stable in rear of 257 Rusholme Road, for $250; Richard Parson, for a one-and-a-half storey frame and roughcast dwelling at 83 Westmorland ave., for $600; Wm. Reid, for a pair of two-storey detached frame and roughcast dwellings on Preston ave., for $1,000; Arthur Wells, for a pair of semi-detached two-storey brick-clad dwellings at 47 and 49 Osler ave., for $1,700; R. Dack, for a two-storey brick addition to factory in rear of 75 King street west, for $3,500; E. and S. Currie, for a two-storey brick addition to warehouse at 62 and 64 Wellington street west, for $8,000; John J. O'Leary, for a two-storey brick livery stable on a stone foundation on Spadina Crescent, for $4,000; Delaney & Pettit, for a two-storey brick factory on Jefferson ave., for $7,000; Dr. Harrington, for a two-storey and attic brick residence on Bathurst street, for $6,500; Mrs. Ida Thompson, for a two-storey and attic brick residence on Crescent Road, for $3,500; H. H. Halls, for a two-storey brick dwelling at 28 Harvard street, for $1,800; John F. Hillock, for a pair of two-storey semi-detached roughcast dwellings on Shawley street, for $1,200; Geo. Evans, for a two-storey brick and roughcast addition to dwelling at 39 De Grassi street, for $450; James Edwards & Co., for a two-storey brick addition and alterations to factory at 126 Garden ave., for $1,800.

PLUMBING AND HEATING NOTES.

Charles Doughty, of Maxwell, Doughty & Johnson, plumbers, etc., Bay street, Toronto, has retired from that firm to take a position as foreman with W. J. McGuire & Co., plumbers, etc., Toronto. F. Maxwell and H. Johnson will continue the business under the style of Maxwell & Johnson.

Ham & Edwards, plumbers, tinsmiths, etc., Hamilton, Ont., have dissolved; R. Edwards continues.

M. A. Dube & Cie., plumbers, have registered at Montreal.



When you lay in your stock of house paints, don't forget the roof paints, the barn paints, the fence paints, the "outside" paints. It's not every man can afford to put high-grade house paints on his barns and he does'nt need to if he knows it. Every dealer can make money with

RAMSAYS
OUTSIDE PAINTS

which he can sell at $1.00 per gallon, and the man with outhouses and fences gets to work and paints up places he never painted before, because he can do it reasonably.

That means **new** business for you, does'nt it?

We can send you a color card of **"Ramsays Outside Paints"** if you want it.

A. RAMSAY & SON
MONTREAL

PAINT MAKERS
EST'D 1842

Gas Fixtures

We make Attractive Fixtures in

GAS . . .
ELECTRIC
COMBINATION

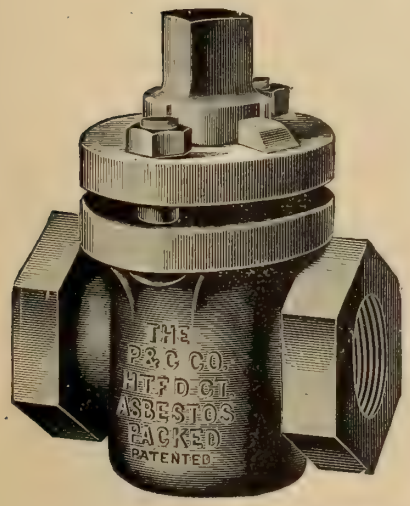
Catalogues to the Trade.

The James Morrison Brass Mfg. Co., Limited
89-97 Adelaide St. West, TORONTO.

THE FAIRBANKS ASBESTOS-PACKED COCK

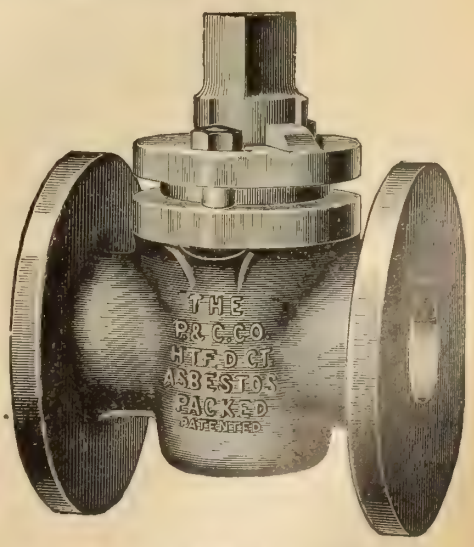
Many Valves and Cocks are tight when first put on, but will not stand severe service.

OURS WILL. IT'S "A TIGHT STOP."



The dovetailed U-shaped grooves in the Body are packed with prepared Asbestos, and a Vulkabeston ring is used on the shoulder of the plug for top packing. These Cocks are well known and extensively used for Boiler Service.

SEND FOR PRICES.



THE FAIRBANKS COMPANY, 747 and 749 Craig Street, **MONTREAL.**

SOME BUILDING NOTES.

A new town hall is being built at Waterford, Ont.

James Walker intends building a residence at Perth, Ont.

A new Anglican church will be built at Rosser, Man., during the spring.

A new brick schoolhouse is being erected at Dunblane, Ont., costing $900.

A three-storey brick block will be built at Smith's Falls, Ont., for D. F. Wood.

R. C. Williams is getting ready for the erection of a new dwelling at Thorold, Ont.

A new $2,000 cheese factory is being built at Brewer's Mills, Ont., for Robert Anglin.

A. Horn is preparing for the erection of a brick house at Kingsley, Man., during the summer.

The C. P. R. is having a chalet, containing 16 sleeping rooms, constructed at Emerald Lake, B.C.

A large factory will be erected on Vine street, Hamilton, by The Howell Lithographing Company.

There is a movement for the erection of a new Methodist church at Calgary, Northwest Territory.

A 50 x 100 foot addition is being made to the factory of The Fowlers' Canadian Company at Hamilton.

A brick and stone warehouse, 36 x 165 feet, will be erected at Aylmer, Ont., for The Aylmer Canning Co.

The Ontario Lantern Company, Hamilton, is building an addition to its factory on East Cannon street.

Three new stores are being built at Tamworth, Ont., by D. E. Rose, in place of those recently destroyed by fire.

A new elevator is being constructed at Atwood, Ont., for Hay Bros., to have a capacity of 25,900 bushels of grain.

A new Baptist church will be erected at the corner of Dorchester and Guy streets, Montreal, during the coming summer.

The Waterous Engine Works, Limited, will erect a brick and stone office building, 45 x 80 feet, at Winnipeg, at a cost of about $8,000 in about three months.

THE ONTARIO CONVENTION.

Mr. Wm. Mansell has been busy preparing for the convention of Master Plumbers' of Ontario which is now being held in Toronto. Delegates from nearly every association in the Province are on hand, and the strong associations of London, and of Windsor, Ont., are being represented by proxy. The convention opened at 10 a.m. on Good Friday, and everything points to the formation of a strong Provincial Association. Full particulars of the proceedings of the convention will be given in next week's issue of "Hardware and Metal."

HAS RESIGNED THE MANAGEMENT.

Mr. John M. Taylor, general manager of The Dominion Radiator Company, Limited, Toronto, and his brother, Adam Taylor, assistant manager, have resigned their positions after April 1. They go into the foundry business with The A. R. Woodyatt Company, Limited, manufacturers of lawn mowers, etc., Guelph, Ont., of which firm Mr. J. M. Taylor becomes president.

Mr. Joseph Wright, the president of The Radiator Company will fill the office of general manager until a successor is appointed.

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY MONTREAL.

THE NEVER-LOST SCYTHE WRENCH.

A simple device that every tiller of the soil will buy on sight was patented by me in 1900. I will sell the patent outright to someone who is prepared to manufacture and sell same. Circulars and full particulars sent to all who write. Desirable for mail-order houses—canvassers and hardware dealers generally. Terms reasonable and fair. Address, **H. O. KRUSCHKE,** inventor and patentee, Dexterville, Wis., U.S.A. (11)

GALVANIZING

Our plant is modern, and capacity large. Prices O.K. Other branches:

WINDMILLS, PUMPS, TANKS, FOUNDRY WORK, ETC., ETC.

Ontario Wind Engine & Pump Co, Limited, 505 Atlantic Ave., Toronto.

CARRIAGE BUYERS should demand

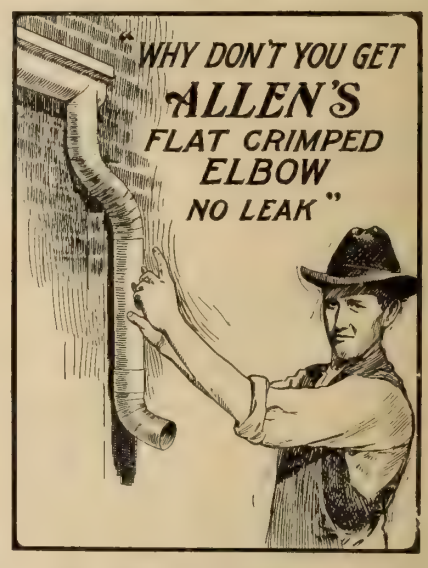
DUNLOP TIRES

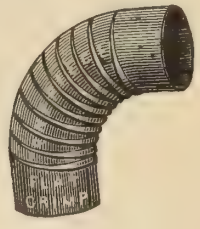


Nothing but good wear can come from Dunlop Tires, because nothing but good rubber goes into them. Dunlop Tires are made for Autos and Bicycles.

Dunlop Tire Co., Limited, Toronto.







2, 3, and 4-in. Tin and Galvanized Conductor Elbows, for sale by all leading jobbing houses.

Made by GEO. ALLEN, BURLINGTON, ONT.

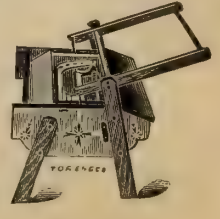


"DAISY" CHURN

Has tempered steel cased bicycle ball bearings, strongest, neatest and most convenient frame. Only two bolts to adjust in setting up. Steel Bow Levers, suitable for either a standing or sitting posture. Has four wheels and adjustable feet to hold stand steady while churning. When churn is locked to stand the bow can be used as handles to move it about on the front wheels as handy as a baby carriage. Open on both sides to centre, giving free space for pail. Made with wood or steel stands, with Cranks only, or Bow Levers as desired.

Vollmar Perfect Washer

Has a most enviable record. A perfection of its kind—will wash more clothes in less time, do it better and easier, with less wear and tear, than any other machine.



THE

Wortman & Ward Mfg. Co., Limited

LONDON, ONT.

Eastern Branch, 60 McGill Street, Montreal, Que.

Messrs. Imperial Varnish & Color Co., Limited,

TORONTO, ONTARIO, CANADA.

GENTLEMEN,

We, the undersigned Hardware Merchants and Paint and Varnish Dealers, who are handling your Elastilite Varnish, have pleasure in testifying that it has given our customers and ourselves splendid satisfaction, and has proven to be all you claim for both inside and outside uses. It produces a high-grade finish, equal in durability to the best outside wearing varnishes.

The price being moderate, and it being peculiarly adapted for both inside and outside work, or in other words suiting all purposes, it does away with the necessity of stocking so many different lines of varnish. The packages are neat, attractive and handy. The large Cabinet Show Can provides not only a compact way of carrying a stock of the varnish, but is a very attractive ad. in our store or window.

CHESTERVILLE, ONT.

COLLINGWOOD, ONT.

CRANBROOK, B.C.

CARLETON PLACE, ONT.

CARLETON PLACE, ONT.

CARLETON PLACE, ONT.

CARP, ONT.

CHESLEY, ONT.

DESERONTO, ONT.

GUELPH, ONT.

TORONTO, ONT.

GLENCOE, ONT.

TORONTO, ONT.

GORE BAY, ONT.

TORONTO, ONT.

HUMBERSTONE, ONT.

TORONTO, ONT.

TORONTO, ONT.

TORONTO, ONT.

HUNTSVILLE, ONT

TORONTO, ONT.

G. & J. MURRAY,

TORONTO, ONT.

HALIFAX, N. S.

TORONTO, ONT.

HALIFAX, N. S.

TORONTO, ONT.

HALIFAX, N. S.

TORONTO, ONT.

ST. JOHN, N.B.

ST. JEROME, QUE.

SUDBURY, ONT.

SUDBURY, ONT.

April 2 1902

Opened to Canada Brick Montreal

SHEPHERD HARDWARE CO. TORONTO, ONT.

Geo Sturrett & Co TORONTO, ONT.

F W Matthews TORONTO, ONT

R. H. Hatch VANCOUVER, B.C

Lewis & Sells VANCOUVER, B.C.

McTaggart Hay & Stone VANCOUVER, B.C

Vancouver Hardware Co. Ltd.
per Campbell VANCOUVER, B.C

W R Mason & Co VICTORIA, B.C

J. McL. Franks WOODBRIDGE, ONT

F Barrette HULL QUE

Basile Carriere HULL, QUE.

Hector Leblanc HULL, QUE.

J McArthur HENSALL, ONT

C Richardson HARROW, ONT

Shaw Dibblee HARTLAND, N.B

Jas Shilldrick HAGERSVILLE, ONT.

per
I may add that once investigation is made some one among my customers usually asks for the same as they have bought from me before.
Js

Ross Bros IROQUOIS, ONT

Clawson & Pinnell KAMLOOPS, B.C

Wm Brandt PORT HOPE, ONT

Chalmers Bros PALMERSTON, ONT

Wm Elliott PERTH, ONT

Rogers & Hall PERTH, ONT

A. N. Senn PARRY SOUND, ONT

M Beaudoin PARRY SOUND, ONT

A Hodden PICTON, ONT

J Mullan PORTAGE LA PRAIRIE, MAN

Chas Mitchell PEMBROKE, ONT

R. W. Reed PRESCOTT, ONT

J. A. Paquet QUEBEC, QUE

J. A. Beattie & Co RIDGETOWN, ONT

THE SMITH & FERGUSSON COMPANY (Limited.)
per Ewart
SEC'Y TREAS. REGINA, N.W.T.

Smith Gaby FT. MACLEOD, N.W.T

Signed John. W. Addison ST. JOHN, N.B

McMillan & Jordan ST. JOHN, N.B

The J. W. McAlary Co., Limited.
Per McAlary Secy Treas ST. JOHN, N.B

Jas J. Bambridge & Co SOURIS, MAN.

Beaudoin & Co ST. HYACINTHE, QUE

Clark & Lewis SMITH'S FALLS, ONT.

Ross Bros EDMONTON, N.W.T

Joseph Heard PENELON FALLS, ONT

H St Barsdat FLESHERTON, ONT

W S Piper FORT WILLIAM, ONT

AARON CHILD & SON
We Supply Handbills
We may hustle say the Merchant Kingston
& South Ontario Farmers & Everybody
Best Distribution
per
GRAVENHURST, ONT

Watt & Brathwaite GANANOQUE, ONT

A McD Allan per G K A GODERICH, ONT

D. Reid GEORGETOWN, ONT.

D. McDonald WELLINGTON, ONT

J & J Maycock WOODSTOCK, ONT

McCallum & Wallace WETASKIWIN, N.W.T

Shildrick & Colleen WATERFORD, ONT

H A Templeton WINNIPEG, MAN

LEADER CHURN

New Century Improvements

FOUR DIFFERENT STYLES:

A—Steel Frame with double reversible Steel Lever.
B—Wood Frame with double reversible Steel Lever.
C—Steel Frame with Crank.
D—Wood Frame with Crank.

Styles **A** *and* **B** *may be operated from a sitting or standing position.*

Steel Frames and Hoops beautifully ALUMINIZED.

All LEADER CHURNS are equipped with BICYCLE BALL BEARINGS and PATENTED CREAM BREAKERS.

Stands are so constructed that they are particularly strong and rigid, and there is nothing to interfere with the placing of pail in the most convenient position for draining off buttermilk.



It Pays to Have the Best. None are Better Than the Leader.

THE DOWSWELL MANUFACTURING CO.,
HAMILTON, ONT. Limited.

Eastern Agents: W. L. Haldimand & Son, Montreal, Que.

The New Century Washing Machine



IT LOOKS EASY
IT IS EASY.

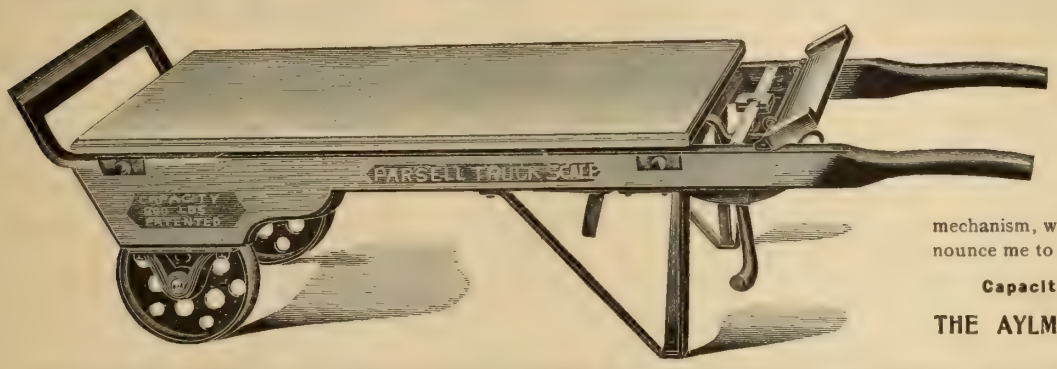
Steel Ball Bearings, same as used in High-Grade Bicycles, and strong tempered steel spiral springs render it so. No machine on the market approaches it in simplicity, ease, quickness, or thoroughness.

Equally well adapted for use in Public Institutions, Hotels, Laundries, or the Home.

The operator does most effective work while seated. Splashing impossible.

Quick Seller. **Once Inspected, Soon Selected.**

I AM THE PARCELL DROP LEVER TRUCK SCALE.



I HAVE no connection or relationship with any other Truck Scale. Do not condemn me because some other Truck Scale was not right, but give me a chance to prove to you that I am the most convenient scale made, and that I am perfectly correct and a first-class piece of mechanism, which I must be, as good inspectors pronounce me to be a first-class article.

Capacities: 800 lb., 1,200 lb., 1,600 lb.

THE AYLMER IRON WORKS CO., Limited
AYLMER, ONT.

Sausage Stuffer, Lard *and* Fruit Press



8 Sizes *and* Styles

Rapid Grinding *and* Pulverizing Mills

10 Sizes and Styles for Hand and Power



No. 3, $5.00

Bone, Shell *and* Corn Mill



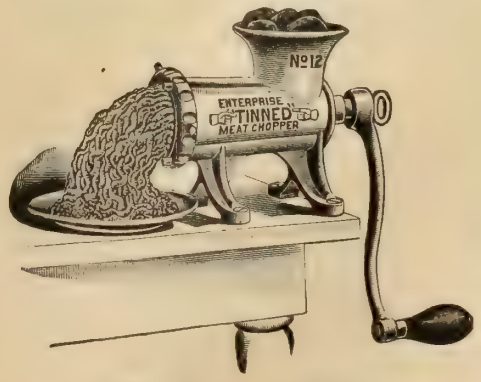
No. 750, $7.50

TRADE **"ENTERPRISE"** MARK

Meat *and* Food Choppers

TINNED

40 Sizes *and* Styles for Hand *and* Power from $1.00 to $300.00



No. 12, - - $2.50

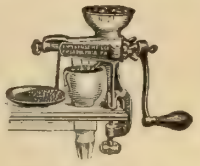
Sold by all *the* leading Jobbers *of the* Dominion

ILLUSTRATED CATALOGUE MAILED FREE

The Enterprise Mfg. Co. *of* Pa.

Philadelphia, Pa., U. S. A.

Meat Juice Extractor



No. 21, $2.50

Raisin Seeder



No. 36, $1.00

Cold Handle Polishing IRON



No. 82, $6.75 per doz.

MANITOBA MARKETS.

Winnipeg, March 24, 1902.

OWING to the heavy storm of last week, business has been quiet and dull, though all houses are working steadily on getting out spring orders.

No change of price has occurred in any line mentioned in the price list furnished last week. It is rumored, however, that advances in some lines may be looked for before the week is out.

The price list is as follows :

Barbed wire, 100 lb	$3 30
Plain twist	3 40
Staples	3 95
Oiled annealed wire No. 10	3 85
" 11	3 90
" 12	3 95
" 13	4 10
" 14	4 25
" 15	4 35
Galvanized wire, 6 to 8 gauge	4 00
" 9 "	3 50
" 10 "	4 05
" 11 "	4 20
" 12 "	3 65
" 13 "	3 75
" 14 "	4 45
" 15 "	4 60
" 16 "	4 75
Wire nails, 30 to 60 dy, keg	3 25
" 16 and 20	3 35
" 10	3 35
" 8	3 45
" 6	3 50
" 4	3 65
" 3	3 90
Coil chain, 3-16 inch	10½
" ¼ inch	8¾
" 5-16 inch	5½
" ⅜ inch	5¼
" 7-16 inch	5
" ½ to ¾ inch	4¾
Cut nails, 30 to 60 dy	3 05
" 20 to 40	3 10
" 10 to 16	3 15
" 8	3 20
" 6	3 25
" 4	3 35
" 3	3 70
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to No 1	4 65
No. 2 and larger	4 40
Snow shoes, No. 0 to No. 1	4 90
No. 2 and larger	4 40
Steel, No. 0 to No. 1	4 95
No. 2 and larger	4 70
Bar iron, $2.70 basis.	
Swedish iron, $5.00 basis.	
Sleigh shoe steel	3 25
Spring steel	3 25
Machinery steel	3 75
Tool steel, Black Diamond, 100 lb	8 50
Jessop	13 00
Sheet iron, black, 10 to 20 gauge, 100 lb.	3 50
20 to 26 gauge	3 75
28 gauge	4 00
Galvanized American, 16 gauge	2 79
18 to 22 gauge	4 75
24 gauge	5 00
26 gauge	5 25
28 gauge	5 50
Genuine Russian, lb	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 75
26 gauge	8 00
28 gauge	8 50
Tinplate, IC charcoal, 20 x 28, box	11 00
" IX "	13 00
" IXX "	15 00
Ingot tin	33
Canada plate, 18 x 21 and 18 x 24	3 75
Sheet zinc, cask lots, 100 lb	7 00
Broken lots	7 50
Pig lead, 100 lb	6 00
Wrought pipe, black up to 2 inch	50 and 10 p.c.
" Over 2 inch	50 p.c.
Rope, sisal, 7-16 and larger	$13 50
" ⅜	14 00
" ¼ and 5-16	14 25
Manila, 7-16 and larger	17 00
" ⅜	17 50
" ¼ and 5-16	18 00
Solder	18
Cotton Rope, all sizes, lb	17
Axes, chopping	$ 7 50 to 12 00
" double bitts	12 00 to 18 00
Screws, flat head, iron, bright	87½
Round " "	82½
Flat " brass	80
Round " "	75
Coach	57½ p.c.
Bolts, carriage	50 p.c.
Machine	50 p.c.
Tire	60 p.c.
Sleigh shoe	65 p.c.
Plough	40 p.c.
Rivets, iron	50 p.c.
Copper, No. 8	26
" No. 12	30
Bluestone, cask lots	$5 50
Spades and shovels	40 p.c.
Harvest tools	60, 10 and 10 p.c.
Axe handles, turned, s. g. hickory, doz.	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 75
No. 1	1 25
Files common	70, and 10 p.c.
Diamond	60
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	30 p.c.
" military	15 p.c.
American R.F.	30 p.c.
C.F. pistol	5 p.c.
C.F. military	10 p.c. advance.
Loaded shells :	
Eley's soft, 12 gauge black	16 50
chilled, 12 gauge	18 00
soft, 10 gauge	21 00
chilled, 10 gauge	23 00
Shot, Ordinary, per 100 lb	6 25
Chilled	6 75
Powder, F.F., keg	4 75
F.F.G.	5 00
Tinware, pressed, retinned	75 and 2½ p.c.
" " plain	70 and 15 p.c.
Graniteware, according to quality	50 p.c.

PETROLEUM.

Water white American	25½ c.
Prime white American	24c.
Water white Canadian	22c.
Prime white Canadian	21c.

BINDER TWINE.

Sisal and Standard f.o.b. Winnipeg	$ 11⅝
Manila, 550 feet	12⅞
Manila, 600 feet	14⅛
Pure Manila	15⅝

Five-ton lots ⅛c. less per lb., and car-lots ¼c. less.

SCRAP.

No. 1 cast iron	$13 to $14 per ton
No. 2 "	5 to 6 "
Wrought iron scrap	5 "
Copper (heavy)	7c. per lb.
Yellow brass (heavy)	8c. "
Light brass	5c. to 6c. "
Lead pipe, or tea lead	2c. to 2½c. "
Zinc scrap	1c. "

PAINTS, OILS AND GLASS.

Turpentine, pure, in barrels	$ 73
Less than barrel lots	70
Linseed oil, raw	88
Boiled	91
Lubricating oils, Eldorado castor	29½
Eldorado engine	28½
Atlantic red	29½
Renown engine	41
Black oil	20
Cylinder oil (according to grade)	55 to 74
Harness oil	65
Neatsfoot oil	90
Steam refined oil	85
Sperm oil	2 00
Pure castor oil, East India	11
Lubricating	10
Glass, single glass, first break, 16 to 25 united inches	2 50
26 to 40 per 50 ft.	2 75
41 to 50 " 100 ft.	6 00
51 to 60 " " "	6 50
61 to 70 per 100-ft. boxes	7 00
Putty, in bladders, barrel lots per lb.	2½
kegs "	2¾
White lead, pure per cwt.	6 50
No. 1 "	6 00
Prepared paints, pure liquid colors, according to shade and color, per gal.	$1.30 to $1.90

PARIS GREEN !

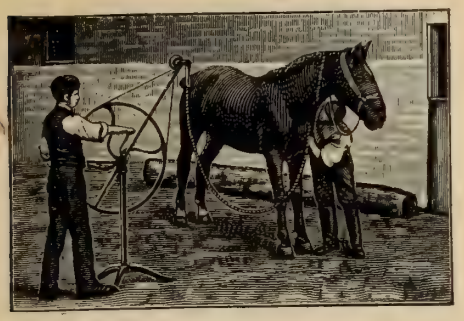
The merchant who sells the **PARIS GREEN** manufactured by the **CANADA PAINT COMPANY, Limited,** offers to his customers the **very best** it is possible to procure. In quality, it is ahead of the standard demanded by the Dominion Government. Large quantities have already been shipped to all parts of Canada. On the first of April we will have an additional one hundred tons (200,000 lbs.) ready for shipment. Order early to ensure a supply before the annual rush sets in.

THE CANADA PAINT COMPANY, LIMITED.

BURMAN & SONS' CELEBRATED CLIPPERS

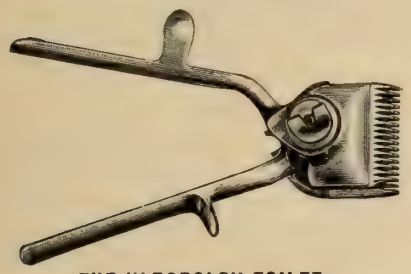
Established 1871. BIRMINGHAM, ENG. for Horsemen and Barbers.

NO. 297.



NO. 3—POWER CLIPPER, with "Wrist Joint."

As supplied to { The Czar of Russia. The King of Denmark. Earl Roberts, Etc., Etc.



THE "LEOPOLD" TOILET.



THE "WARWICK" CLIPPER.

Cuts over three teeth.

As supplied to His Majesty's War Department.

SEND FOR PRICE LIST AND TERMS.

To be obtained from all the principal Jobbers throughout the Dominion.

BUTLER'S

FAMOUS

Sheffield Cutlery.

Fish and Dessert Knives; Spoons and Forks; Cabinets and Cases of Cutlery and Plate.

"BUTLER" was registered as a Trade Mark, A.D. 1768.

Sole Makers of the celebrated "CAVENDISH" brand of Table Knives and Carvers.
And Butler's "KEEN" Razors.

HIGHEST AWARDS. SPECIAL MENTION.

—Full Line of Samples and stock at—

GEORGE BUTLER & CO.'S

LONDON SHOWROOM: 62 HOLBORN VIADUCT, E.C. (Over Snow Hill Station.)

MANUFACTORY: Trinity Works, SHEFFIELD, ENG.

FRANK MILLER'S

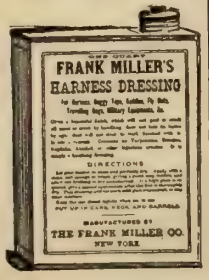
HARNESS PREPARATIONS.

FRANK MILLER'S

HARNESS DRESSING

Recognized as "THE STANDARD."

Produces a brilliant jet-black gloss which will not peel or smut and to which dirt will not stick.





Frank Miller's

Harness Soap

Unrivaled for cleaning and softening Harness

Put up in cakes, pans, boxes and tubs.

FRANK MILLER'S

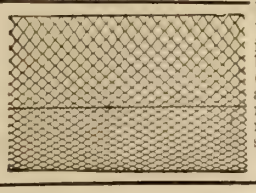
Harness Oil.

Preserves and softens the leather, thus adding life.

The highest quality of oil on the market.



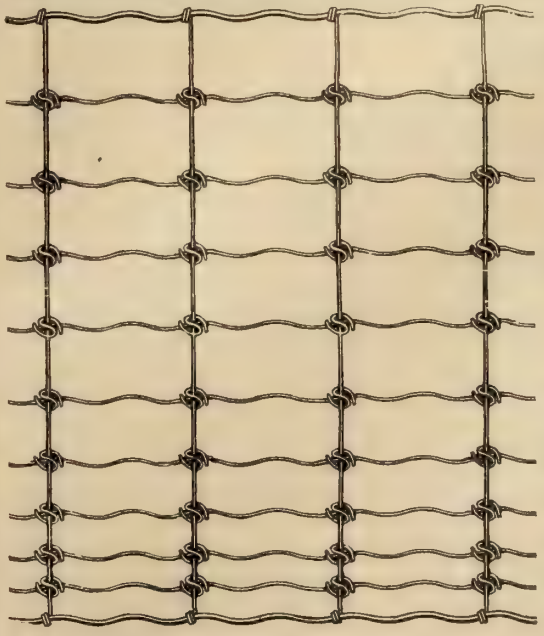
NOTE CLOSE MESH AT BOTTOM



Page Acme Poultry Netting

is close meshed at bottom and does not require rail or board support at edges, having strong straight wire (No. 12 guage) at top, bottom and in centre, cannot sag and is easy to erect. The "Page Acme" netting is of neat appearance, very durable and cheap. We also make farm and ornamental fence, gates, nails and staples. The name of Page is your guarantee of quality.

The Page Wire Fence Co., Limited, Walkerville, Ont. 5



Woven Wire Fencing

A heavy stay in one piece. A perfect lock to hold. Complete in the roll. Made from hard spring wire throughout. Will stand up and do business where other styles fail.

WRITE:

McGregor, Banwell & Co'y, Windsor, Ont.

Coiled Spring and Other Fence Wires, Fence Supplies.

CANADIAN AND WEST-INDIAN TRADE DISCUSSED.

THE Georgetown, Demerara, Argosy, of March 5, contains a report of a meeting of the Chamber of Commerce of that place on March 3, when the possibilities of developing Canadian and West-Indian trade with that colony were discussed. Mr. Robert Munro, president of the Canadian Manufacturers' Association; J. F. M. Stewart, assistant secretary of the Association; G. J. Morrison, J. C. Archibald, Thomas Patterson, H. Thompson, J. S. Billman and Hon. Thomas Kickham were present in the interest of Canadian trade.

In the course of his remarks, Mr. Robert Munro stated that 900 firms were represented in the association to which he belonged, and their invested capital exceeded $200,000,000. The combined imports and exports of the Dominion for the year 1901 exceeded $400,000,000. These figures had been doubled within the last 12 years. But, of all the $400,000,000 imports and exports of last year, only $3,000,000 was with the West Indies. With a population of less than 250,000, Newfoundland took six times as much flour as the West Indies with their 2,000,000 souls. Lumber, including doors and sashes, organs, pianos, wagons, iron, steel and other metals, textiles, cotton fabrics, woollens, leather goods, and electrical machinery were some of the articles the Dominion could export to these islands. The Association had now on hand a number of projects for the furtherance of Canadian trade, such as the establishment of a line of steamships to the Cape of Good Hope, the appointment of a Canadian consular service and the advocacy of a preferential tariff between British possessions. He touched on the object of this visit to the West Indies, which was to seek their trade, and offered the merchants there and elsewhere the cooperation of the Association, as far as it would be reasonable for them to give, in any measures that would have a tendency to promote a reciprocal trade with the Dominion.

Mr. Stewart said he had found out that the people of these colonies were only going to buy what they wanted and not what the manufacturers wished to sell them. When he went back he would take with him samples of what was required in these colonies and the prices paid for them at the place of their origin. He alluded to the sugar troubles, and said that with proper tariff arrangements Canada was in a position to consume their surplus products of that article.

A member of the Chamber, the Hon. J. H. De Jonge, on the invitation of the chairman, President E. M. Sanderson, expressed his views. He said that like the preferential tariff, the speed of the steamers going to that colony was a trifle under the requirements. The United States had treated them well, but that should not prevent them going to other markets where they could receive better treatment. Canada could supply many articles to that colony, but should take its produce in return.

The chairman, E. M. Sanderson, hoped that in a reasonable time there would be a considerable increase in their business with the Dominion.

CATALOGUES, BOOKLETS, ETC.

HOME INDUSTRY.

"HOME INDUSTRY" is the title of an illustrated book issued by the Canada Portland Cement Co., Limited, Deseronto, Ont., containing much useful information about Portland cement. First comes a story of Portland cement from 1756, when the first discoveries were made in the modern methods of manufacture, until the present day.

Two articles, one being extracts from the report of the board of engineers of the United States army on the properties and testing of hydraulic cement, and the other, an extract from a paper on cement, read before the Engineering Society of the School of Practical Science, Toronto, in February 1898, by M. J. Butler, M.C.S.C.E., M.I.C.E., etc., make it valuable to those engaged in building and other allied trades. These articles give directions for the mixing, laying and use of cement, both in mild and frosty weather, and also instructions on how it may be used under water in wells, etc. At the back are five tests of Rathbun's "Star" brand, some made recently, and others some years ago.

Many attractive illustrations, including half-tone engravings of many public buildings, elevators, bridges, canals, which have all had Rathbun's cement used in their construction, add to the beauty of this book and make it worth looking at. Amongst these may be seen the new City Hall, Toronto; the Ottawa-Hull Interprovincial bridge and lock walls in course of construction, Soulanges Canal. Altogether the book contains a good deal about Portland cement and many half-tone engravings that make it worth reading.

GAS COOKING APPARATUS.

The Gurney Foundry Co., Limited, Toronto, makers of the "Imperial Oxford" range, are manufacturing a line of gas cooking apparatus for summer use. They are making a variety of sizes and patterns, low-down or upright, having four, six or eight burners and from one to four ovens, for family use. They also are offering a large-size range having four ovens, ten top burners, four oven burners, etc., suitable for hotels. Hot-plate gas stoves, nursery burners, sad-iron heaters, radiators and gas heaters are also specialties of this firm. The advantages, prices, etc., of these ranges are set forth in an 18-page catalogue handsomely printed and profusely illustrated with cuts and descriptions of each style.

A good galvanized-iron worker knows the different makes of his stock, and uses the one that pays him best.

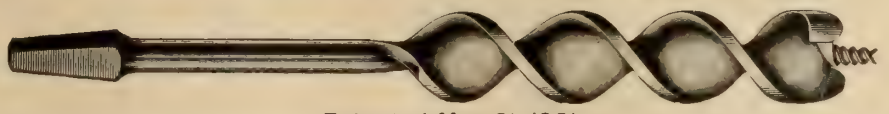
Apollo.

American Sheet Steel Company, New York

Representatives for Canada
B. & S. H. Thompson & Company
53 St. Sulpice Street
Montreal

SOMETHING NEW

Caldwell Lightning Auger Bits.



Patented May 21, 1901.

This bit will bore two holes in less time than it takes to bore one with any other bit.

AGENTS:

Caverhill, Learmont & Co., - - - Montreal.
Wood, Vallance & Co., - - - - Hamilton.
Geo. D. Wood & Co., - - - - Winnipeg.

CURRENT MARKET QUOTATIONS.

March 27, 1902.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag and Straits—	
56 and 28 lb. ingots, 100 lb.	29 00 30 00

Tinplates.

	Per box
Charcoal Plates—Bright	
M.L.S. equal to Bradley	
I.C., usual zes	$6 75
I.X., "	8 25
I.X.X., "	9 75
Famous, equal to Bradley—	
I.C.	6 75
I.X	8 25
I.X.X	9 75
Raven & Vulture Grades—	
I.C., usual sizes	5 00
I.X., "	6 00
.X.X "	7 00
I.XXX., "	8 00
D.C., 12½x17	4 50
D.X	5 25
D.X.X	6 00
Coke Plates—Bright	
Bessemer Steel—	
I.C., usual sizes	4 25
I.C., special sizes, base	4 75
20 x 28	9 00
Charcoal Plates—Terne	
Dean or J. G. Grade—	
I.C., 20x28, 112 sheets	8 50
I.X. Terne Tin	10 50
Charcoal Tin Boiler Plates	
Cookley Grade—	Per lb.
X X., 14x56, 5 shee bxs	
" 14x60, "	0 06½
" 14x65, "	
Tinned Sheets	
72x30 up to 24 gauge	0 07½
" 26 "	0 08

Iron and Steel.

Common Bar, per 100 lbs	1 95 2 05
Refined " "	2 45
Horse Shoe Iron "	2 40
Hoop steel, 1½ to 3 in. base,	2 90
Sleigh Shoe Steel " base	2 10
Tire Steel	2 30 2 50
Reeled Machinery	3 00
Toe Calk Steel	2 85 3 00
T. Firth & Co's tool steel, per lb	0 12½ 0 13
Jessop's tool Steel	0 14
Morton's tool steel	C 12½ 0 13
Black Diamond and "B.C." tool steel	0 10 0 11
Chas. Leonard's tool steel	0 08 0 09
Drill Steel, per lb	0 08 0 10

Boiler Tubes.

1½-inch	0 12½
"	0 13
2½ "	0 15
3 "	0 16
3½ "	0 20
4 "	0 25

Steel Boiler Plate.

¼ inch	2 50 2 60
3-16 inch	2 60 2 70
⅝ inch and thicker	2 50 2 60

Black Sheets.

	Com.	D.Fl.
18 gauge	2 85	3 00
20 gauge	2 85	3 00
22 to 24 "	2 95	3 25
26 "	3 05	3 50
28 "	3 15	

Canada Plates.

All dull, 52 sheets	3 00
Half polished	3 10
All bright	3 75

Black pipe— Iron Pipe.

	Per 100 Feet.
⅛ inch	3 00
¼ "	2 50
⅜ "	2 75
½ "	3 00
¾ "	3 70
1 "	5 25
1¼ "	7 40
1½ "	8 90
2 "	12 40
2½ "	24 00
3 "	28 00
3½ "	36 00
4 "	43 00
4½ "	50 00
5 "	57 00
6 "	73 00

Galvanized pipe—

¼ inch	3 30
⅜ "	3 55
½ "	4 00
¾ "	5 25
1 "	7 25
1¼ "	10 10
1½ "	12 15
2 "	16 70

Discount 4 per cent.

Malleable Fittings— Discount 40 p.c.

Cast Iron Fittings—
Plugs, brushings, unions, and nipples, discount 65 p.c.
All others—discount 60 p.c.

Galvanized Sheets.

	G C. Comet.	Amer.	Queen's Head.
16 gauge			
18 to 24 gauge	4 05	3 75	4 05
26 "	4 25	4 00	4 25
28 "	4 50	4 25	4 50

Less than case lots 10 to 15c. extra.
28 gauge American equals 26 gauge English.

Chain.

Proof Coil, 3-16 in., per 100 lb	
" ¼ " "	7 85 8 10
" 5-16 " "	4 95 5 25
" ⅜ " "	4 35 4 60
" 7-16 " "	4 15 4 40
" ½ " "	4 00 4 25
" 9-16 " "	3 90 4 15
" ⅝ " "	3 80 4 05
" ¾ " "	3 85 4 10
Halter kennel and post chains, 40 to 40 and 5 p.c.	
Cow ties	40 p.c.
Tie-out chains	65 p.c.
Stall fixtures	35 p.c.
Trace chain	45 p.c.
Jack chain, iron, single and double, discount 35 p.c.	
Jack chain, brass single and double, discount 40 p.c	

Copper.

	Ingot	Per 100 lb.
English B S., ton lots		15 00
Lake Superior		
Bars.		
Cut lengths round, ½ to ⅞ in.	23 00	25 00
" round and square 1 to 2 inches	23 00	25 00
Sheet.		
Plain, 14 oz., and light, 16 oz., 14x48 and 14x60	22 00	22 50
Plain, 14 oz., and light, 16 oz., irregular sizes	22 50	23 00
Tinned copper sheets		24 00
Planished		32 00
Braziers (In sheets.)		
4x6ft. 25 to 30 lbs. ea., per lb.		0 23
" 35 to 45 " "		0 22
" 50-lb. and above, "		0 21
Boiler and T. K. Pitts		
Plain Tinned, per lb		0 28
Spun, per lb		0 32

Copper Ware.

Discount, 50 per cent.

Brass.

Rod and Sheet, 14 to 30 gauge, 15 per cent.	
Sheets, hard-rolled, 2x4	0 23
Tubing, base per lb	0 23½

Zinc Spelter

Foreign, per lb	5 50 6 00
Domestic "	

Zinc Sheet.

5-cwt. casks	6 00 6 25
Part casks	6 25 6 50

Lead.

Imported Pig, per 100 lb	3 50 3 75
Bar, b	0 05
Sheets, 2½ lbs. sq. ft., by	0 06¼
Sheets, 3 to 6 lbs., "	0 06

NOTE.—Cut sheets ½ cent per lb. extra.
Pipe, by the roll, usual weights per yard, lists at 7c. per lb. and 35 p.c. dis. f.o.b. Toronto.
NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths lists at 7½ cents.

Shot.

Common, $6.50 per 100 lb.; chilled, $7.00 per 100 lb.; buck, seal and ball, $7.50. Discount, 22½ p.c. Prices are f.o.b. Toronto, Hamilton, Montreal, St. John and Halifax. Terms 3 per cent. cash, freights equalized.

Soil Pipe and Fittings.

Discount, 60 and 10 per cent. on medium and extra heavy, and 60 per cent. on light

Solder.

	Per lb.	Per lb.
Bar half-and-half, guarant'd		0 19
Bar half-and-half, commer'l		0 18½
Refined		0 18
Wiping		0 17½

Antimony.

Cookson's, per lb	0 10

White Lead.

	Per 100 lb.
Pure	5 87½
No. 1	5 50
No. 2	5 12½
No. 3	4 75
No. 4	4 37½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B B. Genuine	7 00
" " No. 1	6 00

Red Lead.

Genuine, 560 lb. casks, per cwt.	$4 75
Genuine, 100 lb. kegs, per cwt.	5 00
No. 1 560 lb. casks, per cwt.	4 25
No 1, lb kegs, per cwt	4 50

White Zinc.

Extra Red Seal	0 06 0 08
No. 1	0 05½ 0 07
No. 2	0 05 0 06

Dry White Lead.

Pure, casks	5 25
Pure, kegs	5 50
No. 1, casks	5 00
No. 1, kegs	5 25

Prepared Paints

In ¼, ½ and 1 gallon tins.

Pure, per gallon	1 25
Second qualities, per gallon	1 10
Barn (in bbls.)	0 60 0 90
The herwin-Williams Paints	1 40
Canada Paint Co' Pure	1 25
Toronto Lead & Color Co's Pure	1 25
Sanderson Pearcy's Pure	1 20
Stewart & Wood's Champion Pure	1 20

Colors in Oil.

25 lb. tins, Standard Quality.

Venetian Red, per lb	0 04½ 0 06
Chrome Yellow	0 12 0 14
Golden Ochre	0 08 0 10
French "	0 06
Marine Black	0 09
Chrome Green	0 10
French Imperial Green	0 12
Sign Writers' Black	0 16
Burnt Umber	0 11
" Sienna	0 11
Raw Umber	0 11
" Sienna	0 11

Colors, Dry.

Common Ochre bbls	1 20 1 30
Yellow Ochre J.F.L.S.), bbls	2 00
Yellow Ochre (La Belle)	1 15 1 25
Brussels Ochre	2 00
Venetian Red (best), bbl	1 75 2 00
English Oxides, per cwt.	3 00 3 25
American Oxides, bbls	1 25 2 00
Canadian Oxides, 1 bls	1 25 1 75
Super Magnetic Oxides, 93p.c.	2 00 2 25
Burnt Sienna, pure, per lb	0 10
" Umber, " "	0 10
Raw do	0 09
Drop Black, pure	0 09
Chrome Yellows, pure	0 18
Chrome Greens, pure, per lb.	0 09 0 10
Golden Ochre	0 04 0 05
Ultramarine Blue in 28-lb. boxes, per lb	0 06 0 18
Fire Proof Mineral, per 100 lb	1 00
Genuine Eng. Litharge, per lb	0 07
Mortar Color, per 100 lb	1 25 1 50
Pure Indian Red, No. 45 lb.	0 08 0 10
Whiting, bbl	0 55 0 60
English Vermillion in 30-lb. bags.	0 95

Paris Green.

	per lb.
Petroleum Casks	
Arsenic Kegs	
50-lb. and 100-lb. drums	
25-lb. drums	
1-lb. packages	
½-lb. do	
1-lb. tins	
½-lb do	
F. O. B. Toronto. Terms—3 p. c. 30 days, or 4 mos. from date of delivery.	off

Blue Stone.

Casks, for spraying, per lb	0 07
100-lb. lots, do. per lb	0 08

Putty.

Bulk in bbls.,	1 90
Bulk in less quantity	2 05
Bladders in bbls	2 25
Bladders in kegs, boxes or loose	2 40
Bladders in 25-lb. tins	2 35
Bladders in 12½-lb. tins	2 65
Bladders in bulk or tins less than 100 lb	2 90

Varnishes.

	In 5-gal. lots. Per Gal.	net.
Carriage, No. 1	1 50	1 60
Pale Durable body	4 10	4 25
" rubbing	2 85	3 00
Gold Size, Japan	2 85	3 00
No. 1 Brown Japan		0 85
Elastic Oak		1 75
Furniture, extra		1 25
" No. 1		0 85
Hard Oil Finish	1 65	1 75
Light Oil Finish	1 40	1 60
Demar	1 70	1 80
Shellac, white	2 30	2 45
" orange	2 25	2 35
Turpentine Brown Japan		1 25
" Black Japan	0 85	0 90
" No. 1	0 70	0 75

Elastilite Varnish 1 gal. can, each, $3 00.
Granitine Floor Finish per gal., $2.75.
Maple Leaf Coach Enamels; Size 1, $1 20 Size 2, 70c.; Size 3, 40c. each.

Castor Oil.

East India, in cases, per lb	0 09½ 0 10
" " small lots	0 10 0 10½

Cod Oil, Etc.

Cod Oil per gal	0 50 0 55
Pure Olive	1 20
" Neatsfoot	90

Glue.

Common	0 08½ 0 09
French Medal	0 14 0 14½
Cabinet sheet	0 12 0 13
White, extra	0 18 0 20
Gelatine	0 22 0 30
Strip	0 18 0 20
Coopers	0 19 0 20
Huttner	0 18

JAMES HUTTON & CO.

Sole Agents in Canada for

Joseph Rodgers & Sons, Limited,
Steel, Peech & Tozer, Limited,
W. & S. Butcher,

Thomas Goldsworthy & Sons,
Burroughes & Watts, Limited,
Etc., Etc.,

Have reopened their offices in Victoria Chambers,

232 McGill Street, MONTREAL.

HARDWARE.

Ammunition.

Cartridges.

B. B Caps Dom. 50 and 5 per cent.
Rim Fire Pistol, dis 40 p. c., Amer
Rim Fire Cartridges, Dom., 5 and 5 p. c
Central Fire Pistol and Rifle 10 p.c. Amer.
Central Fire Cartridges, pistol sizes Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 per cent.
Central Fire, Military and Sporting, Amer. add 5 p.c. to list. B.B. Caps, discount 40 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 10 p.c. advance on list.
Brass Shot Shells, 55 per cent.
Primers, Dom., 30 per cent.; American, $1.60.

Wads	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb. bags	70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	
Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
and 6 gauges	1 90

Adzes.

Discount, 20 per cent.

Anvils.

Wright's, 80-lb. and over	....	0 10¾
Hay Budden, 80-lb. and over	....	0 09¼
Brook's, " " "	....	0 11¼

Augers.

Gilmour's discount 65 and 5 p.c. off ist.

Axes.

Chopping Axes		
Single bit, per doz	5 50	10 00
Double bit, "	11 00	18 00
Bench Axes, 40 p.c.		
Broad Axes, 25 per cent.		
Hunters' Axes	5 50	6 00
Boys' Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Axle Grease.

Ordinary, per gross	5 75	6 00
Best quality	13 00	15 00

Bath Tubs.

Zinc	6 00

Copper, discount 15 p.c. off revised list

Baths.

Standard Enameled.

5½-inch rolled rim, 1st quality	25 00
" " " 2nd "	21 00

Anti-Friction Metal.

"Tandem" A per lb.	0 27
" B "	0 21
" C "	0 11½
Magnolia Anti-Friction Metal, per lb	0 25
Frictionless metal, per lb	0 23

SYRACUSE SMELTING WORKS.

Aluminum, genuine	0 41
Dynamo	0 27
Special	0 22
Aluminum, 99 p.c. pure "Syracuse"	0 45

Bells.

Hand

Brass, 60 per cent.
Nickel, 55 per cent
Cow.
American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Door.

Gongs, Sargant's	5 50	8 00
" Peterboro', discount 45 per cent		

Farm.

American, each	1 25	3 00

House.

American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00
Blacksmiths', discount 40 per cent.		

Belting.

Extra, 60 per cent.
Standard, 60 and 10 per cent.
No. 1, not wider than 6 in., 50 10 and 10 p.c.
Agricultural, not wider than 4 in., 75 p c.

Bits.

Auger.

Gilmour's, discount 60 and 5 per cent.
Rockford, 50 and 10 per cent.
Jennings' Gen. net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind and Bed Staples.

All sizes, per lb	0 07¾	0 12

Bolts and Nuts.

	Per cent.
Carriage Bolts, common ($1 list)	55
" " full square ($3.40 list)	55
" " Norway iron ($3 list)	50
Machine Bolts, all sizes	50 and 5
Plough Bolts	50 and 5
Blank Bolts	50 and 5
Bolt Ends	50 and 5
Sleigh Shoe Bolts	65 and 5
Coach Screws, cone point	66⅔
Nuts, square, all sizes, 3½c per lb off.	
Nuts, hexagon, all sizes, 3¾c. per lb. off.	
Stove rods, per lb	5½ to 6c.
Nuts, in 50 lb. lots ¼c. per lb. extra, in less than 50 lb. lots, ½c extra.	

Boot Calks.

Small and medium, ball, per M	4 25	
Small heel, per M	4 50	

Bright Wire Goods.

Discount 62½ per cent

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent

Henis, No. 8		6 00
Henis, No. 9, "		7 00
Queen City "	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Butcher Knives.

Bailey's, per doz	0 60	6 30

Building Paper, Etc.

Tarred felt, per 100 lb	1 70
Ready roofing, 2-ply, not under 45 lb. per rol	85
Ready roofing, 3-ply, not under 65 lb. per roll	1 10
Carpet felt, per ton	45 00
Dry sheathing, per roll, 400 sq. ft	30
Tar sheathing, " " "	40
Dry fibre " " "	50
Tarred fibre, " " "	60
O.K. & I.X.L., " " "	65
Resin-sized, " " "	4)
Oiled sheathing, " 600 "	1 10
" " 400 "	70
Roof coating, in barrels, per gal	17
" " small packages	25
Refined tar, per barrel	4 50
Coal tar, "	4 00
Coal tar, less than barrels, per gal	15
Roofing pitch, per 100 lb	85

Bull Rings.

Copper, $2.00 for 2½ in. and $1.90 for 2 in.

Butts.

Wrought Brass net revised list

Cast Iron.

Loose Pin, dis., 60 per cent.

Wrought Steel

Fast Joint, dis. 65, 10 and 2½ per cent.
Loose Pin, dis. 65, 10 and 2½ per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.

Gen. Bronzed, per pair	0 40	0 65

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	....

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	8 50	9 50

Cement.

Canadian Portland	1 90	2 75
English "	3 00	3 15
Belgian "	2 50	2 75
Canadian hydraulic	1 25	1 50

Chalk.

Carpenters Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 70 per cent.
Warnock's, dis. 70 per cent.
P. S. & W. Extra 60, 10 and 5 p.c.

Churns.

Revolving Churns, metal frames—No. 0, $8—No. 1, $8.50—No. 2, $9.00—No. 3, $10.00—No. 4, $12.00—No. 5, $16.00 each. Ditto, wood frames—20c. each less than above.
Discounts: Delivered from factories, 56 p.c.; from stock in Montreal, 54 p.c.
Terms, 4 months or 3 p.c. cash in 30 days

Clips.

Axle dis. 65 per cent.

Closets.

	Net.
Plain York or Ontario Syphon Jet.	$9 60
Emb. York or Ontario Syphon Jet.	10 20
Fittings	1 00
Plain Elgin or Teu. Syphon Washout	6 00
Emb. Elgin or Teu. Syphon Washout	6 60
Fittings	1 25
Low Down Elgin or Teutonic, plain	9 60
" " " " emb.	10 20
Plain Richelieu	4 00
Emb. Richelieu	4 25
Connections	1 25
Low Down Ont. Sy. Jet, plain	11 70
" " " " " emb'd.	12 30
Closet connection	1 25
Basins P.O., 14 in.	0 70
" oval 17 x 14 in.	1 50
" " 19 x 15 in.	2 25

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Conductor Pipe.

Plain or Corrugated.

2-inch, per 100 feet	3 00
3 " " "	4 00
4 " " "	5 25
5 " " "	6 75
6 " " "	9 00

Cradles, Grain.

Canadian, dis. 25 to 33⅓ per cent.

Crosscut Saw Handles.

S. & D., No. 3, per pair	17½
" " 5, "	22½
" 6, "	15
Boynto pattern "	20

Door Springs.

Torrey's Rod, per doz (15 p.c.	2 00
Coil, per doz	0 88 1 60
English, per doz	2 00 4 00

Draw Knives.

Coach and Wagon, dis. 50 and 10 per cent
Carpenters, dis. 70 per cent.

Drills.

Hand and Breast

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis., 37½ to 40 per cent.
Standard dis. 50 and 5 to 55 per cent.

Faucets.

Common, cork-lined, dis. 35 per cent.

ELBOWS. (Stovepipe.)

	per doz.
5 and 6-inch, common	1 20
7-inch	1 35
Polished, 15c. per doz. extra.	

ESCUTCHEONS.

Discount, 45 per cent.

ESCUTCHEON PINS.

Iron, discount 40 per cent.

FACTORY MILK CANS.

Discount off revised list, 40 per cent.

FILES AND RASPS.

Great Western	70 and 10 per cent.
Arcade	70 " 10 "
Kearney & Foot	70 " 10 "
Disston's	70 " 10 "
American	70 " 10 "
J. Barton Smith	70 " 10 "
McClellan	70 " 10 "
Eagle	70 " 10 "
Nicholson, 60 and 10 to 60, 10 and 5	"
Royal	80 "
Globe	70 to 75 "

Black Diamond, 60 and 10 to 60, 10 and 5 p.c.
Jowitt's, English list, 25 to 27½ per cent.
Nicholson File Co.'s "Simplicity" file handle per gross, 85c. to $1.50.

GLASS—Window—Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	D. Diamond Per 50 ft.	D. Diamond Per 100 ft.
Under 26	2 20	4 25	....	6 25
26 to 40	2 40	4 65	....	6 75
41 to 50	....	5 10	....	7 50
to 60	....	5 35	....	8 50
61 to 70	....	5 75	....	9 75
71 to 80	....	6 25	....	11 00
81 to 85	....	7 00	....	12 55
86 to 90	....	7 75	..	15 00
91 to 95	..	....	...	17 50
96 to 100	.. .	....	....	20 50
101 to 105	....	....	....	24 00
106 to 110	....	....	....	27 50

GAUGES

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's, Nos. 26 to 33, each	1 65	2 40

HALTERS.

Rope, ⅜ per gross	....	....
" ½ "	....	9 00
" ⅝ to ¾ "	....	14 00
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

Maydole's, dis. 5 to 10 per cent 25 to 27½ per cent.	Can.	dis.

Tack.

Magnetic per doz	1 10	1 2

Sledge.

Canadian per lb	0 07½	0 08½

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz. net	1 50	2 00
Store door, per doz	1 00	1 50

Fork.

C. & B., dis. 40 per cent. rev. list.

Hoe.

C. & B., dis. 40 per cent. rev. ist.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 75

Hammer and Hatchet.

Canadian, 40 per cent.

Cross-Cut Saws.

Canadian, per pair	0 13¾

HANGERS.

	doz. pairs.	
Steel barn door	5 85	6 00
Stearns, 4 inch	....	5 00
" 5 inch	....	6 50
Lane's covered—		
No. 11, 5-ft. run	....	8 40
No. 11½, 10-ft. run	....	10 80
No. 12, 10-ft. run	....	12 60
No. 14, 15-ft. run	....	21 00
Lane's O.N.T. track, per foot	....	4½

HARVEST TOOLS

Discount, 60, 10 and 10 per cent.

HATCHETS

Canadian, dis. 40 to 42½ per cent.

Building Papers, Roofing Felts, Patent Wire Edged 2 and 3 Ply Ready Roofing.

We send out large quantities of samples and printed matter to the builders, in addition to advertising our ready roofing in the farming journals. In all cases we tell consumers they can buy our goods from their local hardware merchants. Wouldn't it be to your interest to place your orders with us?

THE PATERSON MFG. CO., Limited, TORONTO and MONTREAL.

HINGES.

Blind, Parker's, dis. 50 and 10 to 60 per cent.
Heavy T and strap, 4-in., per lb.... 0 06½
" " 5-in., " 0 06¼
" " 6-in., " 0 06
" " 8-in., " 0 05¾
" " 10-in., " 0 05½
Light T and strap, dis. 65 and 5 per cent.
Screw hook and hinge—
6 to 10 in., per 100 lbs.... .... 4 50
12 in. up, per 100 lbs.... .... 3 25
Per gro. pairs
Spring.... .... 12 00

HOES.

Garden, Mortar, etc., dis. 50 and 10 p.c.
Planter, per doz.... 4 00 4 50

HOLLOW WARE

Discount,.... 45 and 5 per cent.

HOOKS.

Cast Iron.

Bird Cage, per doz....	0 50	1 10
Clothes Line, per doz....	0 27	0 63
Harness, per doz....	0 72	0 88
Hat and Coat, per gross....	1 00	3 00
Chandelier, per doz....	0 50	1 00

Wrought Iron.
Wrought Hooks and Staples, Can dis. 47½ per cent.

Wire.
Hat and Coat, discount 45 per cent.
Belt, per 1,000 .... 0 60
Screw, bright, dis. 55 per cent.

HORSE NAILS.

"C" brand 50 and 7½ p.c. off new list } Oval-
"M" brand 50, 10 and 5 per cent. } head
Countersunk, 60 per cent.

HORSESHOES.

Iron Shoes.	F.O.B. Montreal No. 2 and larger.	No. 1. and smaller.
Light, medium and heavy...	3 50	3 75
Snow shoes....	3 75	4 00
Steel Shoes.		
Light....	3 60	3 85
Featherweight (all sizes)....	4 85	4 85

F.O.B. Toronto, Hamilton, London and Guelph, 10c. per keg additional.
Toe weight steel shoes.... 6 70

JAPANNED WARE.

Discount, 45 and 5 p.c. off list, June 1899.

ICE PICKS.

Star per doz.... 3 00 3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.
Copper, per lb.... 0 30 0 50
American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 45 p.c.
Cabinet, trunk, and padlock, Am. per gross 60

KNOBS.

Door, japanned and N.P., per doz.... .... 1 50 2 50
Bronze, Berlin, per doz.... 2 75 3 25
Bronze Genuine, per doz.... 6 00 9 00
Shutter, porcelain, F. & L screw, per gross 1 30 4 00
White door knobs—per doz. 1 25

HAY KNIVES.

Discount, 50 and 10 per cent.

LAMP WICKS.

Discount, 60 per cent.

LANTERNS.

Cold Blast, per doz.... 7 00
No. 3 "Wright's".... 8 50
Ordinary, with O burner.... 4 00
Dashboard, cold blast.... 9 00
No. 0.... 5 75
Japanning, 50c. per doz. extra

LEMON SQUEEZERS.

Porcelain lined, ...per doz.	2 20	5 60
Galvanized....	1 87	3 85
King, wood....	2 75	2 90
King, glass....	4 00	4 50
All glass....	1 20	1 30

LINES.

Fish per gross.... 1 05 2 50
Chalk " 1 90 7 40

LOCKS.

Canadian, dis. 45 p.c.
Russel & Erwin, per doz.... 3 00 3 25
Cabinet.
Eagle, dis. 30 p.c.

Padlocks.

English and Am. per doz.... 50 6 00
Scandinavian, " 1 00 2 40
Eagle, dis. 20 to 25 p.c.

MACHINE SCREWS. I on and Brass.

Flat head discount 25 p.c.
Round Head discount 20 p.c.

MALLETS.

Tinsmiths' per doz....	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz..	3 85	5 00
Caulking each....	60	2 00

MATTOCKS.

Canadian, per doz.... 5 50 6 50

MEAT CUTTERS.

American, dis. 25 to 30 p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are:	Cut.	Wire.
2 d and 3d	$3 35	$3 55
3 d	3 00	3 22
4 and 5d....	2 75	3 05
6 and 7d....	2 65	2 90
8 and 9d....	2 50	2 70
10 and 12d....	2 45	2 65
16 and 20d..	2 40	2 60
30, 40, 50 and 60d. (base)....	2 35	2 55

Wire nails in carlots are $2.50
Galvanizing 2c. per lb. net extra.
Steel Cut Nails 10c. extra.
Miscellaneous wire nails, dis. 75 p.c.
Coopers' nails, dis. 30 per cent.
Flour barrel nails, dis. 25 per cent

NAIL PULLERS.

German and American.... 1 85 3 50

NAIL SETS.

Square round, and octagon per gross....	3 38	4 00
Diamond....	12 00	15 00

POULTRY NETTING.

2-in. Mesh, 19 w.g., dis. 60 p.c.
2-in. Mesh, 18 w.g. and heavier, 50 and 10 p.c.

OAKUM. Per 100 lb

Navy 6 00
U.S. Navy.... .... 7 25

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal. per doz.... .... 10 00
Zinc and tin, dis. 50, 50 and 10.
Copper, per doz.... 1 25 3 50
Brass, " 1 50 3 50
Malleable, dis. 25 per cent.

GALVANIZED PAILS.

Dufferin pattern pails, dis. 45 p.c.
Flaring pattern, discount 45 per cent.
Galvanized washtubs discount 45 per cent.

PIECED WARE.

Discount 40 per cent. off list, June, 1899.
10-qt. flaring sap buckets, dis. 40 p.c.
6, 10 and 14-qt. flaring pails, dis. 40 p.c.
Creamer cans, dis. 40 p.c.

PICKS.

Per doz.... 6 00 9 00

PICTURE NAILS.

Porcelain head, per gross...	1 75	3 00
Brass head "	0 40	1 00

PICTURE WIRE.

Tin and gilt, discount 75 p.c.

PINE TAR.

½ pint in tins, per gross.	7 80
1 " "	9 60

PLANES.

Wood, bench, Canadian dis. 40 per cent. American dis. 50.
Wood, fancy Canadian or American 7½ to 40 per cent.

PLANE IRONS.

English, per doz.... 2 00 5 00

PLIERS AND NIPPERS.

Button's Genuine per doz pairs, dis. 37½ 40 p.c.
Button's Imitation, per doz.. 5 00 9 00
German, per doz.... 0 60 2 60

PLUMBERS' BRASS GOODS.

Standard Compression work, dis. 60 p.c.
"J.M.T." Cushion work, dis. 50 p.c.
Fuller work, dis. 65 p.c.
6 doz. lots and over of the above, extra dis. 10 p.c.
Lever Handle Stops and Waste, discount 60 p.c. With, in lots of 2 doz. and over, an extra dis. of 10 p.c.
"J.M.T." Globe, Angle and Check Valves, dis 55 p.c.
Standard Globe, Angle and Check Valves, dis. 65 p.c.
"J.M.T." Radiator Valves, dis. 55 p.c.
Standard " " dis., 65 p.c.
Patent Quick Opening Valves, dis. 70 p.c.
No. 1 compression bath cock, net .. 2 00
No. 4 " " 2 00
No. 7, Fuller's 2 20
No. 4½, " 2 35
Patent Compression Cushion, basin cock, hot and cold, per doz 15 00
Patent Compression Cushion, bath cock. No. 2208 .... 2 25
Square head brass cocks, 60 p.c.
" " iron " 60 p.c.
Globe Angle or check valves, 70 p.c.
Competition Globe, Angle and Check Valves discount, 70 p.c.
Competition Quick Opening Radiator Valves, discount, 70 p.c.

PRESSED SPIKES.

Discount 25 per cent.

PULLEYS.

Hothouse, per doz....	0 55	1 00
Axle....	0 22	0 33
Screw....	0 27	1 00
Awning....	0 35	2 50

PUMPS.

Canadian cistern....	1 80	3 60
Canadian pitcher spout....	1 40	2 10

PUNCHES.

Saddlers', per doz....	1 00	1
Conductors's "	9 00	15 00
Tinners', solid per set....	0 00	0 72
" hollow per inch....	0 00	1 00

RANGE BOILERS. Net.

Dominion, 30 gal.	5 75
Dominion, 35 "	6 75
" 40 "	7 75
Ronald's Galvanized, 30 gallons	6 50
" " 35 "	7 50
" " 40 "	8 50
Copper, 30 gallons....	20 00
" 35 "	23 20
" 40 "	26 40

RAKES.

Wood, 10 per cent.

RAZORS.

	per doz.
Elliot's	4 00 18 00
Geo. Butler & Co.'s....	4 00 18 00
Boker's....	7 50 11 00
" King Cutter....	12 50 50 00
Wade & Butcher's	3 60 10 00
Theile & Quack's....	7 00 12 00
Bailey's	6 00 12 00
Carbo Magnetic Razor	15 00
Griffon Barbers' Favorite	10 75
Griffon No. 65....	13 50
Griffon Safety Razors....	15 50
" Stropping Machines.	13 50

All other razors 50 p.c. off catalogue price.

REGISTERS.

Discount .... 40 per cent

RIVETS AND BURRS.

Iron Rivets, black and tinned, discount 60 and 10 per cent.
Iron Burrs, discount 55 per cent.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets with usual proportion burrs, 45 and 10 dis., cartons, 1c. per lb. extra, net.
Copper Burrs only, 30 and 0 p.c.
Extras on Tinned or Coppered Rivets, ½-lb. cartons, 1c. per lb.

RIVET SETS.

Canadian, dis. 35 to 37½ per cent.

ROPE, ETC.

Sisal....	12½
Pure Manilla....	16
"British" Manilla....	14
Cotton, 3-16 inch and larger....	16
" 5-32 inch....	21
" ⅛ inch	22
Russia Deep Sea....	15
Jute....	8
Lath Yarn....	11
Sisal bed cord, 48 ft.....per doz.	65
" " 60 ft..... "	80
" " 72 ft..... "	95

RULES.

Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS. per set.

Mrs. Potts, No. 55, polished. 65
" No. 50, nickle-plated. 75

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ pe cent.
B & A. sand, 40 and 5 per cent.
Emery, 40 per cent.
Garnet (Rurton's), 5 to 10 p.c. advance on list.

SAP SPOUTS.

Bronzed iron with hooks, per doz. 9 50

SAWS.

Hand Disston's, dis. 12½ p.c.
S. & D., 40 per cent.
Crosscut, Disston's, per ft.. 0 35 0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.
Hack, complete, each 0 75 2 75
" frame only 0 75

SASH WEIGHTS.

Sectional, per 100 lbs....	2 25	2 50
Solid, "	1 75	2 00

SASH CORD.

Per lb.... 0 23 0 30

SAW SETS.

Lincoln and Whiting, per doz. 4 75
Hand Sets, No. 1 Woodyatt (Morrill) 4 25
X-cut Sets, No. 3 Woodyatt (Morrill) 9 50

SCALES.

Standard, 45 p.c.
Spring Balances, 10 p.c.
Fairbanks Standard, 35 p.c.
" Dominion, 55 p.c.
" Richelieu, 55 p.c.
Warren's new Standard, 45 p.c.
" " Champion 65 p.c.

SCREW DRIVERS.

Sargent's per doz.... 0 65 1 00

SCREWS.

Wood, F.H., bright and steel, 87½ and 10 p.c.
Wood R. H., " dis. 82½ and 10 p.c.
" F. H., brass dis. 80 and 10 p.c.
Wood, R. H., " dis. 75 and 10 p.c.
" F.H., bronze, dis. 75 p.c.
" R.H. " 70 p.c.
Drive Screws, 87½ and 10 per cent.

Bench, wood, per doz.	3 25	4 00
" iron, "	4 25	5 75

Set, Case hardened, 60 per cent.
Square Cap, 50 and 5 per cent.
Hexagon Cap, 45 per cent.

SCYTHES.

Per doz., net.... .... 9 00

SCYTHE SNATHS.

Canadian, dis. 45 p.c.

SHEARS.

Bailey Cutlery Co., full nickeled, dis. 60 and 2½ p.c.
Bailey Cutlery Japan handles, 67½ p.c.
Seymour's, dis. 50 and 10 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SINKS.

Steel and galvanized, discount 45 per cent.

SNAPS.

Harness, German, dis. 25 p.c.		
Lock, Andrews'	4 50	11 50

SOLDERING IRONS.

1, 1½ lb., per lb....	0 37
2 lb. or over, per lb....	0 34

SQUARES.

Iron, No. 493, per doz....	2 40	2 55
" Mo. 494, "	3 25	3 40

Steel, dis. 60, 10 and 5 p.c.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.

Plain, dis., 75 and 12½ p.c. off revised st
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized....	3 50	4 00
Plain....	3 25	3

Coopers', discount 45 per cent.
Poultry netting staples, 40 per cent.

STANDARD CHAIN CO., PITTSBURGH, U. S. A.

MANUFACTURERS OF **CHAIN** OF ALL KINDS.

Proof Coil, B.B., B.B.B., Crane, Dredge Chain, Trace Chains, Cow Ties, etc.

ALEXANDER GIBB, Montreal. —Canadian Representatives— A. C. LESLIE & CO., Montreal.

For Provinces of Ontario and Quebec. For other Provinces.

STOCKS AND DIES.

American dis. 25 p.c.

STONE.		Per lb.
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip,	0 09	0 09
Labrador	....	0 13
" Axe	....	0 15
Turkey	....	0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, 2 in, 40 to 200 lb, per ton	....	25 00
" under 40 lb. "	....	28 00
Grind. under 2 in. thick "	....	29 00

STOVE PIPES.

5 and 6 inch Per 100 lengths	....	7 00
7 inch " "	....	7 50

ENAMELINE STOVE POLISH.

No. 4—3 dozen in case, net cash	$4 8
No. 6—3 dozen in case, "	8 40

TACKS, BRADS, ETC.

Cheese-box tacks, blued ..... 80 & 12½
Trunk tacks, black and tinned 85
Carpet tacks, blued ..... 80 & 15
" " tinned ..... 80 & 20
" " (in kegs) 40
Cut tacks, blued, in dozens only .. 80
" ¼ weights 60
Swedes cut tacks, blued and tinned—
In bulk ..... 80 & 10
In dozens 75
Swedes, upholsterers', bulk .... 85, 12½ & 12½
" brush, blued & tinned, bulk .. 70
" gimp, blued, tinned and japanned ..... 75 & 12½
Zinc tacks 35
Leather carpet tacks 55
Copper tacks 50
Copper nails 50½
Trunk nails, black ..... 65 and 5
Trunk nails, tinned ..... 65 and 10
Clout nails, blued ..... 65 and 5
Chair nails 35
Patent brads 40
Fine finishing 40
Lining tacks, in papers 10
Lining tacks, in bulk 15
" " solid heads, in bulk 75
Saddle nails in papers 10
" " in bulk 15
Tufting buttons, 22 line, in dozens only 60
Tin capped trunk nails 25
Zinc glazier's points 5
Double pointed tacks, papers ..... 90 and 10
" " " bulk 40

TAPE LINES.

English, ass skin, per doz	2 75	5 00
English, Patent Leather	5 50	9 75
Chesterman's each	0 90	2 85
" steel, each	0 80	8 00

TINNERS' SNIPS.

Bailey's, dis. 25 p.c.

THERMOMETERS.

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TRAPS. (Steel.)

Game, Newhouse, dis. 25 p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's discount 10 per cent.

German, per doz	4 75	6 00

S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb	....	0 27
Wrapping, cotton, 3-ply		0 18½
" 4-ply	....	0 23½
Mattress, per lb	0 33	0 45
Staging, "	0 27	0 35

VISES.

Wright's	....	0 13½
Brook's	....	0 12¾
Pipe Vise, Hinge, No. 1	....	3 50
" " " No. 2	....	5 50
Saw Vise	4 50	9 00

ENAMELLED WARE.

White, Princess, Turquoise, Blue and White, discount 50 per cent.
Diamond, Famous, Premier, 50 and 10 p.c.
Granite or Pearl, Imperial, Crescent, 50, 10 and 10 per cent.

WIRE.

SMOOTH STEEL WIRE.

No. 0-9 gauge		$2 60
10 "		6c. extra.
11 "		12c. "
12 "		20c. "
13 "		30 "
14 "		40c. "
15 "		55c. "
16 "		70c. "

Add 60c. for coppering and $2 for tinning.

Extras net per 100 lb. — Oiled wire 10c., spring wire $1.25, special hay baling wire 30c., best steel wire 75c., bright s ft drawn 15c., charcoal (extra quality) $1.25, packed in casks or cases 15c., bagging and papering 10c., 50 and 100-lb. bundles 10c., in 25-lb. bundles 15c., in 5 and 10-lb. bundles 25c., in 1-lb. hanks 50c., in ½-lb. hanks 75c., in ¼-lb. hanks $1.

Fine Steel Wire, dis. 22½ per cent List of extras : In 100-lb. lots : No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, 7.65—No. 24, $8—No. 25, $9—No. 26 $9.50—No. 27, $10—No. 28, $11 No. 29. $12—No. 30, $13—No. 31, $14—No. 32 $15, No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31 $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles, 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.50 to $3.85—No. 9, $2.85 to $3.15—No. 10, $3.60 to $3.95—No. 11, $3.70 to $4.10—No. 12, $3 to $3.30—No. 13, $3.10 to $3.40—No. 14, $4.10 to $4.50—No. 15, $4.60 to $5.05—No. 16, $4.85 to $5.35. Base sizes, Nos. 6 to 9 $2.52½ f.o.b. Cleveland.
Clothes Line Wire, regular 7 strand. No. 17, $4.65; No. 18, $2.90; No. 19, $2.60. Hollow 6 strand, No. 17, $4.30; No. 18, $2.70, No. 19, $2.35; No 20, $2.30, f.o.b. Hamilton, Toronto Montreal.

WIRE FENCING.

Galvanized barb	....	3 00
Galvanized, plain twist	....	3 00

Galvanized barb, f.o.b. Cleveland, $2.77½ in less than carlots, and $2.65 in carlots

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net .. 1 25

WASTE COTTON.

	per lb.
Colored	6
White	8

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 60 p.c.
Coe's Genuine, dis. 20 to 25 p.c.

Towers' Engineer, each	2 00	7 00
" S., per doz	5 80	6 00
G. & K.'s Pipe, per doz	....	3 40
Burrell's Pipe, each	....	3 00
Pocket, per doz	0 25	2 90

WRINGERS.

Leader per doz.	$30 00	33 00
Royal Canadian "	...	24 00
Royal American, "	....	24 00
Sampson "	....	24 00

Terms 4 months, or 3 p.c. 30 days.

WROUGHT IRON WASHERS.

Canadian make, discount, 40 per cent.

ADVERTISING in WESTERN CANADA

will be Carefully Efficiently, and Promptly attended to, by

The Roberts Advertising Agency,

WINNIPEG CANADA.

Standard Paint & Varnish Works Limited

Makers of High Grade Varnishes, Japans, Paints, Colors & Enamels

Windsor, Ont.

"PULLMAN"

TROUSER or SKIRT HANGERS

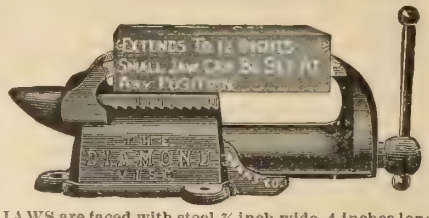
TWO SIZES

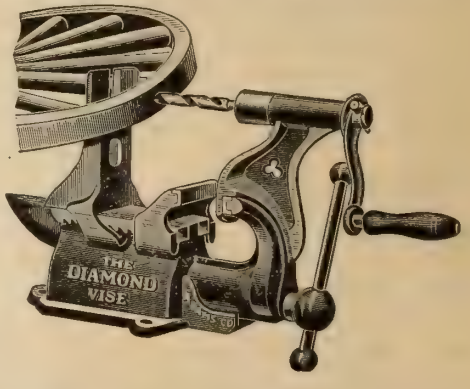


PULLMAN SASH BALANCE CO., ROCHESTER, N.Y., U.S.A.

DIAMOND VISE AND DRILLING ATTACHMENT

U. S. Patent Jan. 15, '95. Canadian Patent July 22, '95.





JAWS are faced with steel ⅞ inch wide, 4 inches long, firmly fastened to jaw, checked and hardened.
VISE weighs 38 pounds. DRILL weighs 13 pounds.
For Sale by Jobbers of Hardware.

Made by —
The Adams Company, Dubuque, Iowa, U.S.A.
Made by A. R. Woodyatt & Co., Guelph, Ont.

TRADE NOBLES & HOARE NH LONDON MARK

Nobles & Hoare.

CORNWALL ROAD STAMFORD STREET.

LONDON, ENG.

Manufacturers of

HIGH-CLASS VARNISHES ONLY

Which can be obtained direct from the works or from the principal Color Dealers in Canada.



Ontario Nut Works, Paris

BROWN & CO.

Manufacturers of

All sizes of Hot Pressed Nuts, Square and Hexagon.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker,

13 St. John Street, Montreal

Representing British and American Manufacturers. Correspondence invited from firms wishing to be represented in Canada.

"THE EMLYN" SAW BENCH

Made in 6 sizes. Best value obtainable. Specially designed for export With or without "Emlyn" Patent Guard. Sole maker—

CHARLES D. PHILLIPS,

Cables—"Machinery," Newport.

Emlyn Engineering Works, NEWPORT, MON., ENGLAND.

ONTARIO SILVER CO.,

Limited,

NIAGARA FALLS, CANADA.

Manufacturers of **FLATWARE, CUTLERY and ELECTRO PLATE.** . . .

Ask for our Catalogue and Quotations.

A favorite writing paper with business men is

"Windsor Mills"

You will like the smooth and easy surface—the color—the whole texture—and you can have envelopes made of the same paper.

CANADA PAPER CO., Limited

TORONTO, and MONTREAL, Que.

The Batty Stove & Hardware Co.

Successors to

The Toronto Branch of THE COPP BROS. CO., Limited.

Wholesale dealers in

MANTELS, GRATES, TILES, ETC.

HOT-AIR REGISTERS.

HOT-AIR DAMPERS.

STOVE AND FURNACE CEMENT: 3½ and 5-lb. Cans.

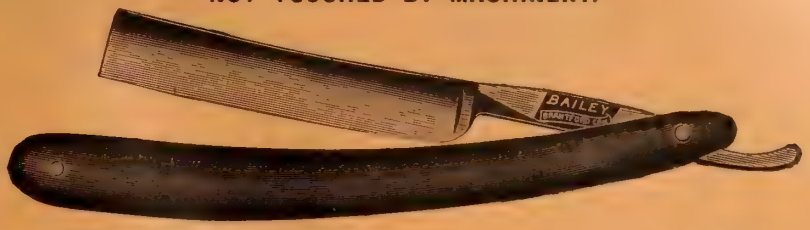
STOVE POLISH. STOVE REPAIRS.

THE BATTY STOVE & HARDWARE CO.

279 Queen West, TORONTO.

HAND-FORGED **RAZORS** HAND-GROUND

NOT TOUCHED BY MACHINERY.



Fully Warranted. Ask for Catalogue.

Made in Canada by—

Manufacturers of Steel-Laid Shears and Scissors, Hand-Forged Butcher Knives and Tinners' Snips.

BAILEY CUTLERY CO., LIMITED

BRANTFORD, ONTARIO.

CHAS. F. CLARK, President. **JARED CHITTENDEN, Treasurer.**

...ESTABLISHED 1849...

BRADSTREET'S

Capital and Surplus, $1,500,000. **Offices Throughout the Civilized World.**

Executive Offices: Nos. 346 and 348 Broadway, New York City, U.S.A.

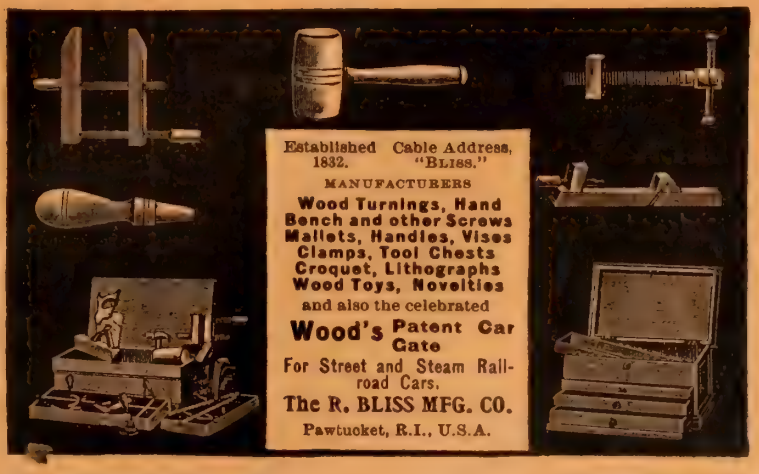
THE BRADSTREET COMPANY gathers information that reflects the financial condition and the controlling circumstances of every seeker of mercantile credit. Its business may be defined as of the merchants, by the merchants, for the merchants. In procuring, verifying and promulgating information, no effort is spared, and no reasonable expense considered too great, that the results may justify its claim as an authority on all matters affecting commercial affairs and mercantile credit. Its offices and connections have been steadily extended, and it furnishes information concerning mercantile persons throughout the civilized world.

Subscriptions are based on the service furnished, and are available only by reputable wholesale, jobbing and manufacturing concerns, and by responsible and worthy financial, fiduciary and business corporations. Specific terms may be obtained by addressing the Company at any of its offices. **Correspondence Invited.**

——OFFICES IN CANADA——

HALIFAX, N.S.	HAMILTON, ONT.	LONDON, ONT.	MONTREAL, QUE.
OTTAWA, ONT.	QUEBEC, QUE.	ST. JOHN, N.B.	TORONTO, ONT.
VANCOUVER, B.C.	VICTORIA, B.C.	WINNIPEG, MAN.	

THOS. C. IRVING, Gen. Man. Western Canada, Toronto. JOHN A. FULTON, Gen. Man. Eastern Canada, Montreal.



Established 1832. Cable Address, "BLISS."

MANUFACTURERS

Wood Turnings, Hand Bench and other Screws Mallets, Handles, Vises Clamps, Tool Chests Croquet, Lithographs Wood Toys, Novelties

and also the celebrated

Wood's Patent Car Gate

For Street and Steam Railroad Cars.

The R. BLISS MFG. CO.

Pawtucket, R.I., U.S.A.

Canadian Representative: ALEXANDER GIBB, 13 St. John St., MONTREAL.

75 YEARS. *ESTABLISHED 1825.* *75 YEARS.*

CELEBRATED **HEINISCH** SHEARS.

Tailors' Shears, Trimmers, Scissors, Tinners' Snips, etc.



ACKNOWLEDGED THE BEST.

R. HEINISCH'S SONS CO.

NEW YORK OFFICE, 90 Chambers St. NEWARK, N.J., U.S.A.

Not connected with any Shear Combination.

Est. 1866 TRADE MARK. Inc. 1895

Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve TRADE MARK. **Medals**



Awarded
By **JURORS** at
International Expositions
Special Prize
Gold Medal at Atlanta, 1895

TRADE MARK.

RUBBER HOSE

FOR

Water	Air	Suction
Steam	Acids	Fire Protection
Gas	Brewers	Pneumatic Tools

SUPERIOR IN QUALITY.
SATISFACTORY IN SERVICE.

When you want anything made of rubber, write to us.

THE GUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

Head Office and Warerooms—
45-47-49 West Front St.

TORONTO,

Factories—115-165 West Lodge Ave.
124-148 O'Hara Ave.

CANADA.

We can quote lowest prices for the following goods in quantities, viz.:

BLACK STEEL SHEETS.
POLISHED STEEL SHEETS.
RANGE STEEL.
GALVANIZED SHEETS.
CANADA PLATES.
SHEET COPPER.
SHEET ZINC.
TIN PLATES—Coke and Charcoal.
WINDOW GLASS.
PLATE GLASS.
WHITE LEAD.
RED LEAD.

Send us your enquiries when next in the market.

B. & S. H. THOMPSON & CO.

53 St. Sulpice Street,

MONTREAL.

VARNISHES AND JAPANS

McCASKILL, DOUGALL & CO.

Manufacturers **MONTREAL**



Standard Railway and Carriage Varnishes
Standard Boat and Spar Varnishes
—Wont turn white from the effects of water and sun.
Standard Piano, Furniture and Decorative Varnishes
Zanzerine Transparent Wood Finishes and Varnishes
Architectural Varnishes

OFFICES:

30 St. John St., MONTREAL.

161 Summer St., BOSTON, Mass., U.S.A

Don't pay for a fantastical name. Get practical worth by using
LANGWELL'S BABBIT
MONTREAL.

CANADIAN
HARDWARE
AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XIV. MONTREAL AND TORONTO, APRIL 5, 1902 NO. 14.

POCKET KNIVES
H. BOKER & COS
IMPROVED
TREE BRAND
TRADE MARK
RAZORS CUTLERY SCISSORS
FOR SALE BY LEADING WHOLESALE HARDWARE HOUSES.

If any other brand will do in place of "QUEEN'S HEAD," buy . . . . .

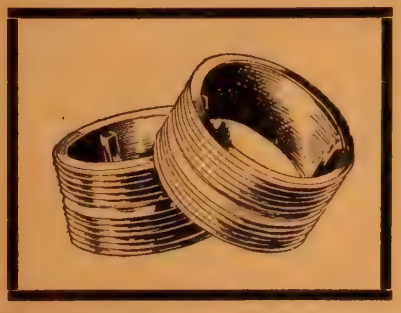
FLEUR DE LIS.

"Fleur de Lis"

NOT a second quality, but "QUEEN'S HEAD" quality with ordinary galvanizing. Rapidly coming to the front for work where a heavy coating is not needed.

JOHN LYSAGHT, Limited, Makers, BRISTOL, ENG.
A. C. LESLIE & CO., MONTREAL, Managers Canadian Branch.

"That Made the Hit"



This is a drawing of the Patent Connection that made the "SAFFORD" famous the world over; that revolutionized radiator building; that made it possible to put a radiator together without bolts, red lead, rods or packing.

The "SAFFORD" is the only radiator on the market for hot-water and steam heating. It means satisfaction every time—is easy to handle for the contractor.

If you have not our Catalogue, write to us.

THE DOMINION RADIATOR CO., Limited

Head Office and Works: DUFFERIN ST. TORONTO, CAN.

BICYCLE SUNDRIES

We have purchased several

Bankrupt Stocks and offer **Special Prices**

while they last on

TIRES, INNER TUBES, Etc.

RICE LEWIS & SON
LIMITED

Write for Catalogue.

TORONTO.

IRON PIPE

BLACK **GALVANIZED**

Write for Prices.

M. & L. SAMUEL, BENJAMIN & CO.

27 Wellington St. West, TORONTO, ONT.

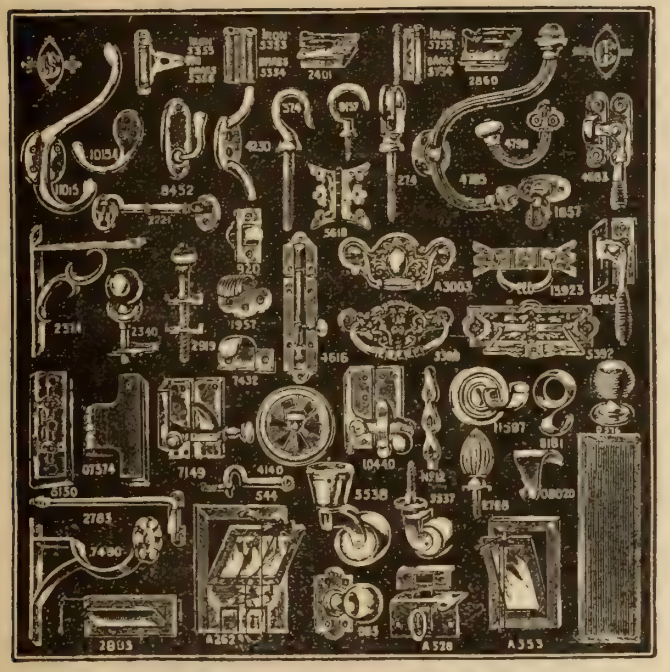
English House: SAMUEL, SONS & BENJAMIN, 164 Fenchurch St., LONDON, E.C.

James Cartland & Son

Manufacturers of every description of **Limited**

CABINET, BUILDERS', FURNISHING AND NAVAL BRASSFOUNDRY

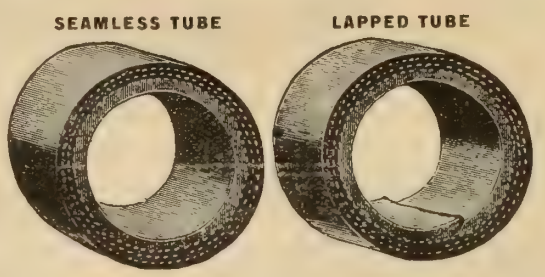
BIRMINGHAM, ENGLAND.



London Showrooms: 57 Holborn Viaduct, E.C.

GARDEN HOSE

Seamless Tube.



All brands of our **GARDEN HOSE** are made with our

Patent Seamless Tube

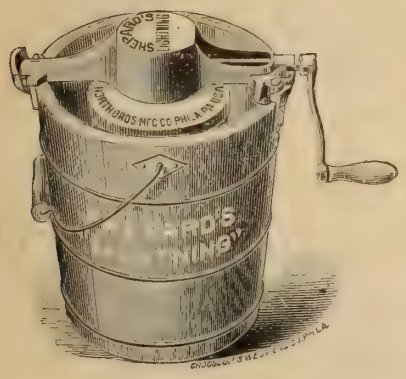
WRITE FOR DISCOUNTS.

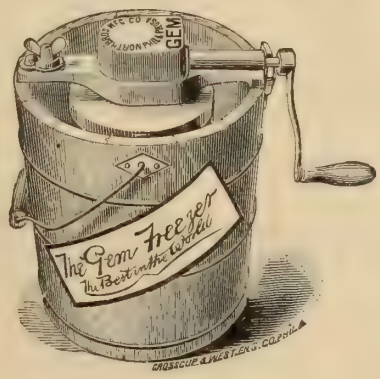
The Canadian Rubber Co.

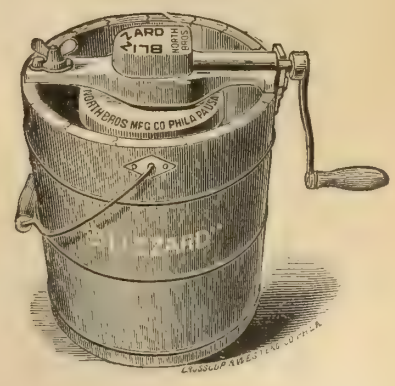
MONTREAL **TORONTO** **WINNIPEG**

Lightning, Gem Blizzard . . .

FREEZERS







ARE

- Well Advertised.
- In Demand.
- Easily Sold.
- Satisfactory in Use.
- Of Known Reputation.

HAVE

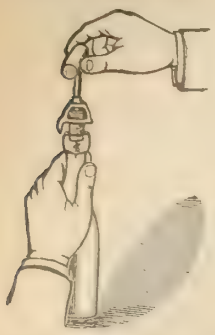
- Cedar Pails with Electric Welded Wire Hoops.
- Cans of Heavy Tin with Drawn Steel Bottoms.
- AUTOMATIC Twin Scrapers.
- "The Ice Cream Freezer Book" tells all about these and our other Freezers, mailed free.

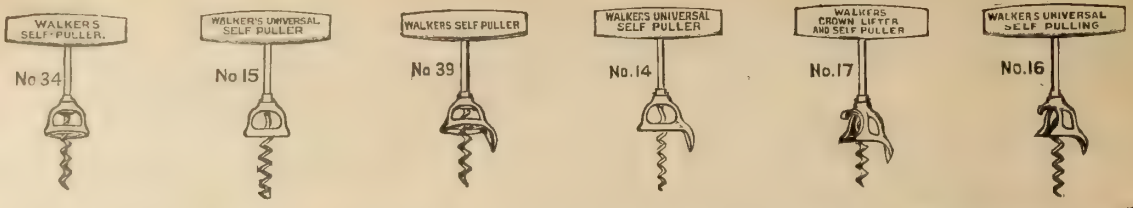
EXCEL IN

- Easy Running.
- Quick Freezing.
- Economy.
- Convenience.
- Practical Results.

North Bros. Mfg. Co., Philadelphia, Pa., U.S.A.

See! You Don't Have to Pull. A Child Can Do It.



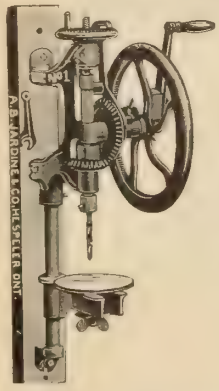


Walker's Self-Pulling Cork Screws

Made of Crucible Steel, Nickel Plated, Polished Apple Wood Handles.

EVERY ONE TESTED AND GUARANTEED. Several imitations on the market, but none as good.

Mfrd. only by ERIE SPECIALTY CO., Erie, Pa., U.S.A.

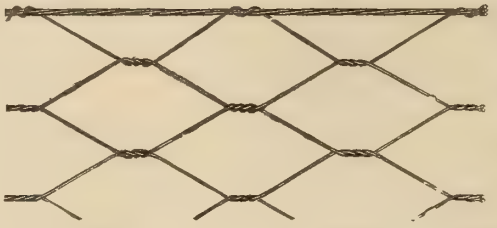


TRADE MARK J REGISTERED

Blacksmiths' Hand Drills.

The very best.

A. B. JARDINE & CO.
HESPELER, ONT.

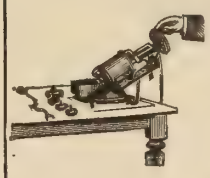


First-class FARM FENCING

only 30 cents per ROD

For Sale by With Discount to Dealers.

The Ontario Wire Fencing Co.,
PICTON, ONT. Limited.



G. A. Crosby & Co. of Ontario,

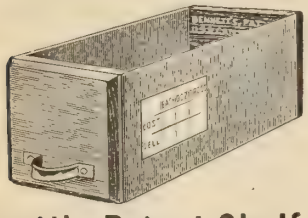
SARNIA, ONT. LIMITED

Manufacturers of

Patent Automatic Can Making Machinery, Presses, Dies and Special Machinery for Working Sheet Metal.

U-HAVE-A

desire that your store should attract customers, and that customers should be served quickly, because these are necessary to increase your business, then put in



Bennett's Patent Shelf Box.

Write now for prices on Shelf Boxes, Screw Cases, and Sample Holders to

J. S. BENNETT, Patentee and Manufacturer,
15 MARION ST., TORONTO

The Frost Wire Fence Company, Limited

WELLAND, ONT.

FACTORIES AT CLEVELAND, OHIO, AND WELLAND, ONT.

MAKERS OF Frost Fencing, Frost Steel Gates, and Coiled Spring Wire.

CLOSEST PRICES QUOTED ON APPLICATION.

DEALERS

Do you sell the "GLORIA" Light?

WHY NOT?

Our goods are the best—our prices are the lowest. Our "United Gloria" Triple Weave Mantle is the strongest and most brilliant mantle in the market. We manufacture it and know when we sell it it will bring repeat orders. We manufacture "United" Single Weave and Gasoline Mantles and carry a large stock of Burners, Chimneys, Bulb Globes, Fancy Etched and Ruby Globes.

SEND FOR PRICE LIST.

THE UNITED INCANDESCENT LIGHT CO.
Phone Main 969, 7 Yonge St. Arcade, Toronto.

Telephone: MAIN 2927 Cable Address: "TIMA"

The International Mercantile Agency

JANES BUILDING . . . of TORONTO

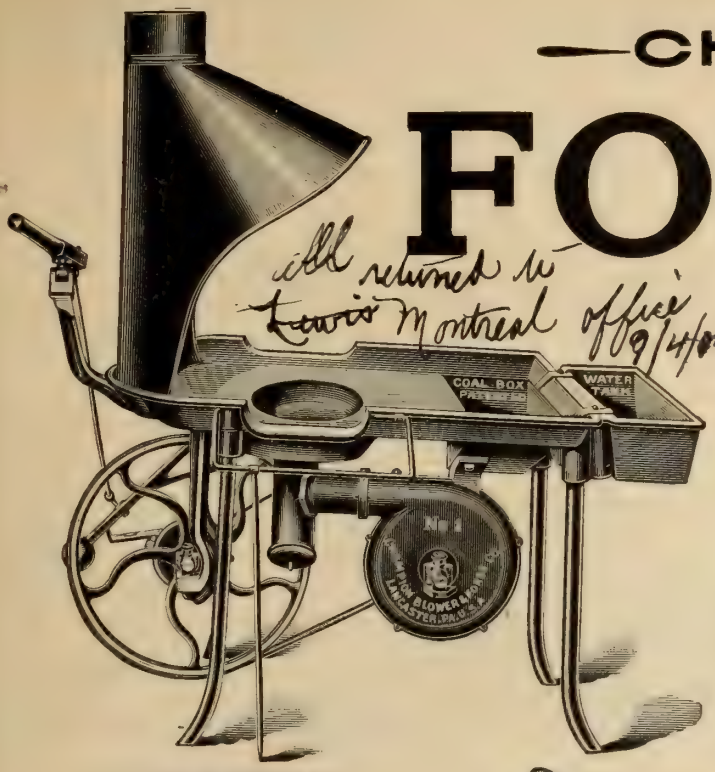
begs to announce to the Manufacturers and Merchants of Canada that they have the most effective system for collecting past due and old accounts in Canada, United States and Europe, without using offensive methods to debtors. Our reputation has been established by doing business on business principles, and prompt remittances, and we will be pleased to refer prospective clients to the hundreds of patrons we are doing business with.

We will be pleased to quote our rates on application or send one of our representatives to call on you. Correspondence solicited.

THE INTERNATIONAL MERCANTILE AGENCY OF TORONTO

—CHAMPION—
FORGES

all returned to Lewis Montreal office 9/4/07

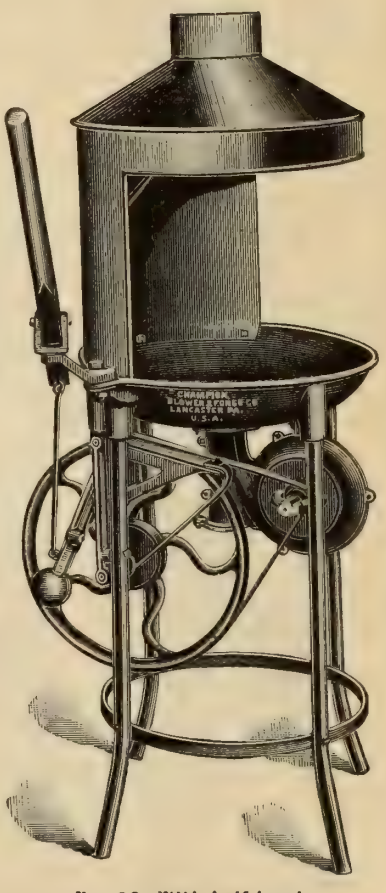


No. 1—Sold with or without tank.

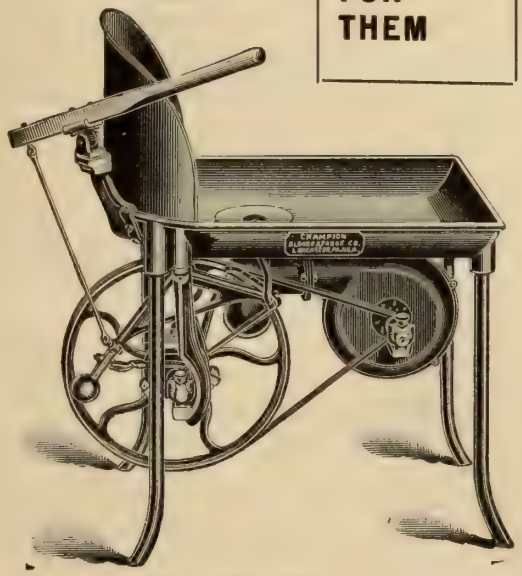
NEXT WEEK WE SHOW

POST DRILLS

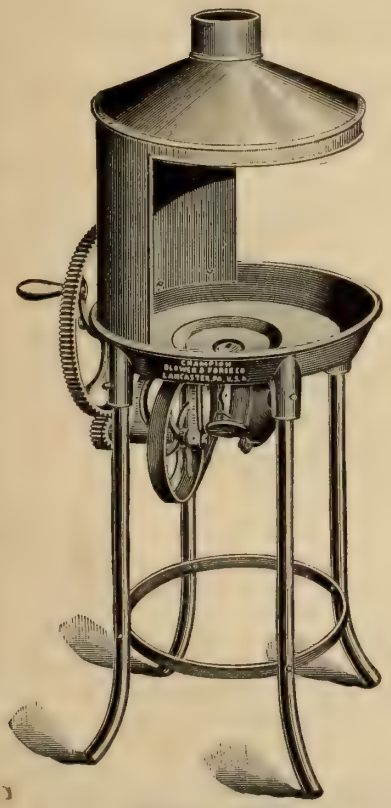
WATCH FOR THEM



No. 86—With half hood.
(No. 85—Same, with shield.)



No. 2—With shield.
(No. 83—Same, with half hood.)



No. 153—With half hood.
(No. 152—With shield.)

NO.	POWER	TOP	HEARTH	FAN	HEIGHT	WEIGHT	WITH TANK
1	Lever	Half hood	32 x 45 INS.	16 INS.	30 INS.	350 LBS.	375 LBS.
2	"	Shield	23 x 35 "	12½ "	30 "	120 "	
83	"	Half hood	23 x 35 "	12½ "	30 "	130 "	
86	"	"	22 "	9½ "	33 "	90 "	
85	"	Shield	22 "	9½ "	33 "	80 "	
152	Crank	"	18 "	8 "	30 "	65 "	
153	"	Half hood	18 "	8 "	30 "	68 "	

No. 1 has sloped-bottom coal box and all the latest features.

Nos. 2 and 83 are the ideal forges for boiler makers, etc. Nos. 86 and 85 recommended for miners, bridge builders, etc. Nos. 152 and 153 meet the general requirements for farmers' use or light repairing.

LEWIS BROS. & CO.

TORONTO:
87 York St.

MONTREAL.

OTTAWA:
54 Queen St.

HENRY ROGERS, SONS & CO.,

SHEFFIELD, ENGLAND

Manufacturers of the celebrated



H R S&C°

BARB AND PLAIN GAL'D WIRE
TINPLATES
"ROGERS" COKES
"H. R. S. & CO.," CHARCOAL
CANADA PLATES
"H. R. S. & CO."

Canadian Office:

6 ST. SACRAMENT ST., MONTREAL

F. A. YORK, Manager.

ROBLIN'S PATENT MILKING PAILS.



Latest and Best.

These pails are made of IX old method Tin with patent locking attachment on covers so milk cannot spill, also furnished with strainer in cover, keeping milk pure.

Manufactured by

E. T. WRIGHT & CO., Hamilton and Montreal.

KNOX HENRY

Heavy Hardware and Metal Broker
Room 32 Canada Life Bldg., MONTREAL.



Samples sent free on application.

HORSE NAILS – "C" Brand Horse – Nails Canada Horse Nail Co.

"BRASSITE" GOODS — Gunn Castor Co. Limited, Birmingham, Eng.

STANDARD TIN WORKS...

MANUFACTURERS OF

TINWARE AND TIN CANS

Fruit Cans, Meat Cans, Jacketed Oil Cans, Baking Powder Cans, Lard Pails, Etc.

JAS. A. McGOLPIN

156-162 Duke Street, TORONTO

The Papers are Telling

about the great advantages of CHURCH'S COLD WATER

ALABASTINE

For tinting and decorating walls and ceilings. In other words, we are doing a lot of general newspaper advertising.

ALABASTINE is the acknowledged standard wall-coating

THE WORLD OVER

Because it is **PERMANENT.** Easily Applied and **SELLS ON ITS OWN MERITS.** Is it worth while to spend time trying to sell worthless imitations that have no record of value or proof of origin?

ALABASTINE is made in Canada, by Canadian labor, and from rock taken out of Canadian mines. See that your assortment is complete.

The jobber who sells it, the dealer who buys,
The painter and decorator, the people likewise
Proclaim "For the walls of a cottage, to the palace of a queen,
"There is nothing so suitable as ALABASTINE."

ALABASTINE is for sale by Wholesale Hardware and Paint Dealers. Manufactured by

THE ALABASTINE CO., LIMITED, PARIS. ONT.

FILES. RASPS.

WE ARE NOT IN THE TRUST.

Quality of our goods guaranteed and our discounts very liberal. A trial order solicited. Write for discounts.

99 Niagara St., TORONTO FILE CO.

CANADIAN GOODS FOR CANADIANS.

STEVENS SINGLE BARREL SHOT GUN.

LATEST AND BEST SINGLE GUN ON THE MARKET.



MADE IN THREE STYLES THREE GAUGES UP-TO-DATE.

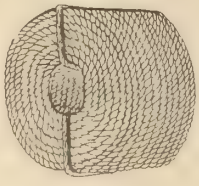
FINEST SINGLE GUN YET PRODUCED.

Our Goods are Handled by the Leading Jobbers.

J. Stevens Arms & Tool Co., P.O. Box 217 Chicopee Falls, Mass., U.S.A.

THE INDEPENDENT CORDAGE CO., Limited,

TORONTO.



Highest Award Pan-American Exposition.

MANUFACTURERS OF ALL KINDS OF

SISAL MANILA **ROPE,** Lath Yarn, Shing e Yarn, Hide Cord, Pulp Cord, Clothes Lin s **BINDER TWINE**

Transmission Rope a Specialty.

H. & R. SINGLE GUN AUTOMATIC AND NON-EJECTING.

12 and 16 Gauges.
Steel and Twist Barrels.

Superior in Design, Workmanship and Finish, and the most popular Gun on the Market.

Simplest "Take Down" Gun Made.



HARRINGTON & RICHARDSON ARMS CO.
Also makers of H. & R. Revolvers,
Catalog on request. Worcester, Mass., U.S.A.

WINDOW GLASS—TO IMPORT.

Prompt Deliveries

EVERY KIND OF PLATE AND WINDOW GLASS IN STOCK.

BENT GLASS of all kinds, our own manufacture. Closest Prices.

TORONTO PLATE GLASS IMPORTING CO.,

Hill & Rutherford

Warerooms and Offices—135 to 143 Victoria St.
Bending Works—209 to 213 Victoria St.

TORONTO

Use Syracuse Babbitt Metal

IT IS THE BEST MADE.



For Paper and Pulp Mills, Saw and Wood Working Machinery, Cotton and Silk Mills, Dynamos, Marine Engines, and all kinds of Machinery Bearings.

Wire, Triangular and Bar Solder, Pig Tin, Lead, Ingot Copper, Ingot Brass, Antimony, Aluminum, Bismuth, Zinc Spelter, Phosphor Tin, Phosphor Bronze, Nickle, etc., always in stock.

CANADIAN WORKS, MONTREAL, P.Q.
AMERICAN " SYRACUSE, N.Y.

Syracuse Smelting Works



Steel Frame Churn.

DAVID MAXWELL & SONS

ST. MARYS, ONT., CANADA.

"Maxwell Favorite Churn"

PATENTED FEATURES: Improved Steel Stand, Roller Bearings, and Foot and Hand Lever Drive, and Detachable Driving Link. Improved for season of 1902. Steel or Wood Frame as desired.

Lawn Mowers. High and Low Wheels. from 12-in. to 20-in. widths. Cold Rolled Steel Shafting, Crucible Steel Knives and Cutting Plate.

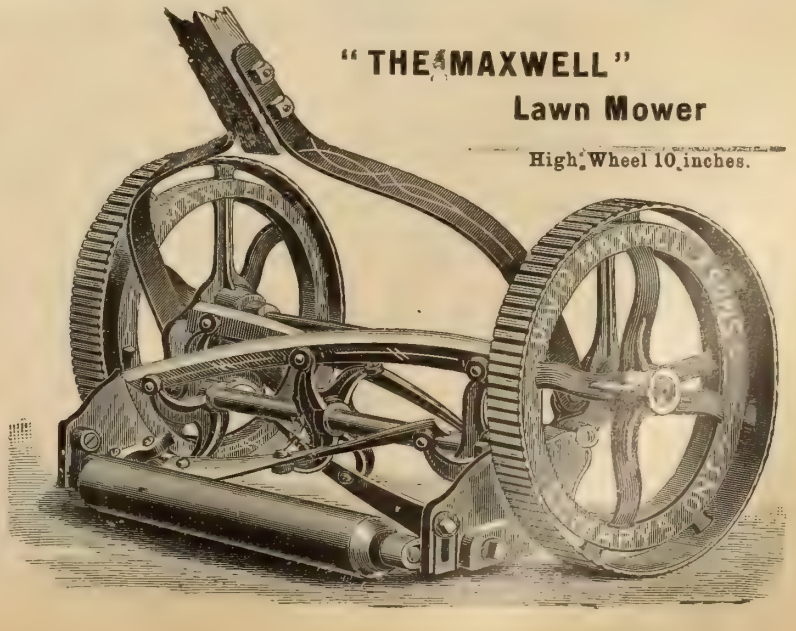
Wheelbarrows. In Four different Sizes.

If your Wholesale House does not offer you these articles

SEND DIRECT TO US.

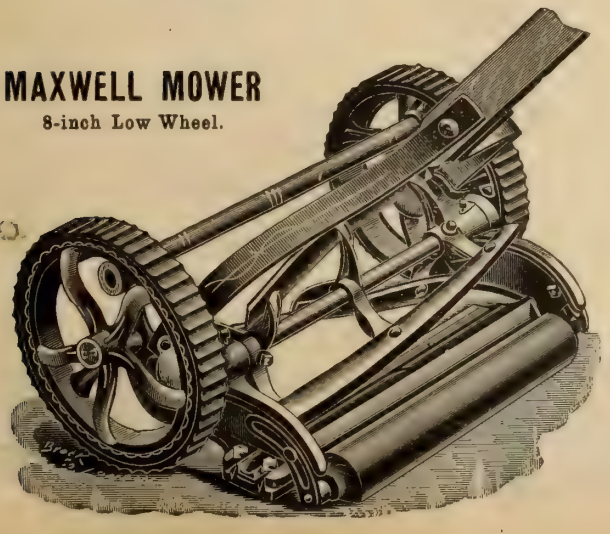
"THE MAXWELL" Lawn Mower

High Wheel 10 inches.



MAXWELL MOWER

8-inch Low Wheel.



The Demand for our

IMPERIAL OXFORD

Kitchen Range increases daily.

We are kept busy all year round trying to fill orders on time.

Every one sold causes other sales, so enthusiastic are householders over its improved features.

ITS EASE OF REGULATION
ECONOMY IN USING FUEL
ITS DIFFUSIVE FLUE CONSTRUCTION
FRONT DRAW-OUT GRATE
OVEN THERMOMETER
DRAW-OUT OVEN RACK

and other conveniences, give it a superiority quickly appreciated.

You're sure of speedy sales when handling the Imperial Oxford. Write us for full information and price list if you have none in stock.



THE GURNEY FOUNDRY CO., Limited

TORONTO. WINNIPEG. VANCOUVER.

THE GURNEY-MASSEY CO., LIMITED, MONTREAL.



Australasian Hardware and Machinery.

The Organ of the Hardware, Machinery and Kindred trades of the Antipodes.

SUBSCRIPTION $1.25 PER ANNUM,

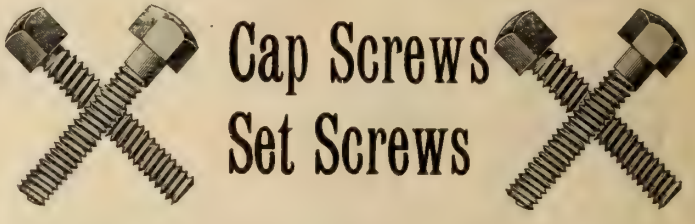
post free to any part of the world.

PUBLISHING OFFICES:
Melbourne - Fink's Buildings.
Sydney, - - - Post Office Chambers.

AMERICAN OFFICES:
New York, - Park Row Building.

BRITISH OFFICES:
London, - - - 42 Cannon St., E.C.

Specimen Copies on application.



Cap Screws
Set Screws

CANADA FOUNDRY COMPANY.
LIMITED.

MACHINE SCREW DEPARTMENT

HEAD OFFICE: TORONTO, ONT.

DISTRICT OFFICES:

MONTREAL, HALIFAX, WINNIPEG, VANCOUVER, OTTAWA, ROSSLAND, B.C.

MANUFACTURERS OF

Machine Screws,
Studs, Coupling Bolts,
Special Milled Work, etc.

SEND FOR PRICE LIST NO. 1001



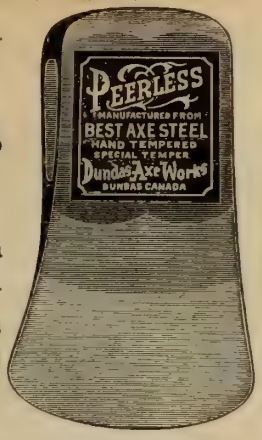
COLD PRESSED
Square and Hexagon
NUTS



It is the quality of our

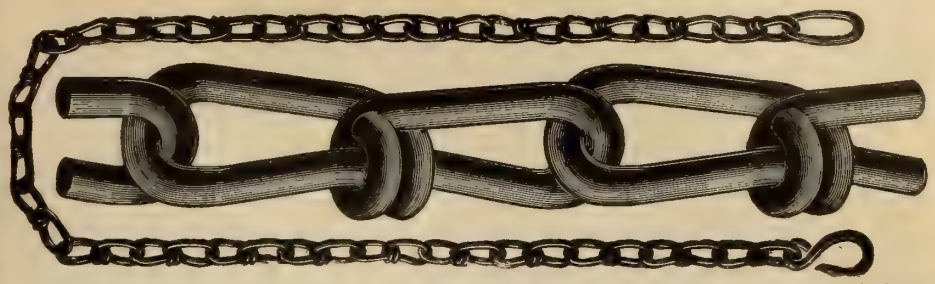
Peerless Axe . .

that causes a growing demand for it in Single and Double Bit.



Dundas Axe Works, Dundas, Ont.
W. L. Haldimand, Jr., Montreal Agent.

BROWN'S PATENT STEEL WIRE CHAIN.
PATENT NO. 32840.



If you are interested in chains examine carefully the perfect mechanical construction of the Brown's. It is the most perfect chain made. We make it in 13 sizes. We use it exclusively in all our Halter, Dog, Tie-out, Cattle, Trace Chains, etc. You will make no mistake in handling our line exclusively.

THE B. GREENING WIRE CO., LIMITED
Hamilton and Montreal.

ESTABLISHED 1882

G. F. STEPHENS & CO. LIMITED

INCORPORATED 1901

Manufacturers, Importers and Jobbers

PAINTS, OILS, VARNISHES, BRUSHES, ETC.,

PLATE AND WINDOW GLASS

AND ALL PAINTERS' AND GLAZIERS' REQUISITES.
We carry the largest stock of these goods in Western Canada.

PROMPT SHIPMENT. CAREFUL ATTENTION. CLOSE PRICES.

174-176 Market Street — WINNIPEG.



STANDARD SILVERWARE EMBRACES PRICE, QUALITY, WORKMANSHIP.

These are the three prime causes of our success in the manufacture of Silver-plated Ware.

The Price of our goods is as low as is consistent with good manufacture.

The Quality is backed up by an absolute guarantee that, if they are not in every respect perfect, you may return them.

The Workmanship is that of the best skilled and experienced mechanics, and every piece manufactured is carefully inspected.

WRITE FOR ILLUSTRATED CATALOGUE AND PRICE LIST.

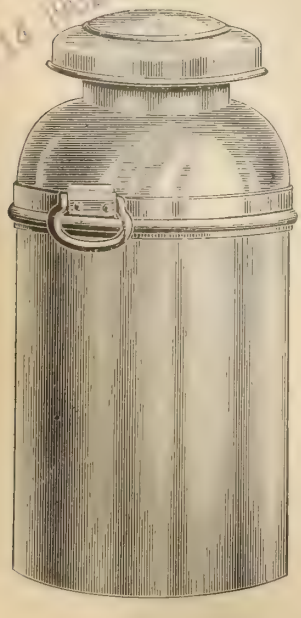
STANDARD SILVER CO., Limited

31 to 43 Hayter Street, — TORONTO.

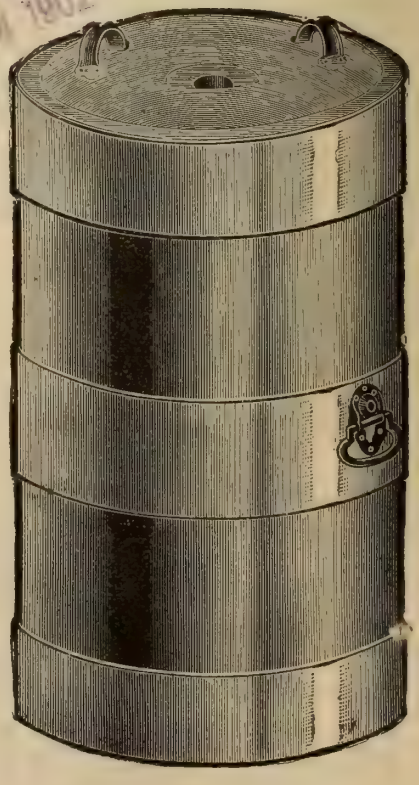


ONE REASON WHY

Kemp's Broad Hoop Factory Milk Cans



are popular with the trade is on account of their durability. They are made by experienced workmen and are all supplied with our Roll Rim Bottom, which has a smooth edge and prevents the tearing of floors and wagons, so common with the ordinary bottom.



Our New Railroad MILK CANS

are well finished, heavy, and made to stand the rough usage which these cans are usually subjected to. We supply these in either the Roll Rim or the ordinary Hoop Bottom.

FOR PROMPT SHIPMENT WRITE TO

KEMP MANUFACTURING CO'Y, - - Toronto, Canada.

HARDWARE AND METAL

VOL. XIV. MONTREAL AND TORONTO, APRIL 5, 1902. NO. 14.

President:
JOHN BAYNE MacLEAN,
Montreal.

The MacLean Publishing Co.
Limited

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P.E. Island and Newfoundland.

OFFICES.

MONTREAL - - - 232 McGill Street. Telephone 1255.
TORONTO - - - 10 Front Street East. Telephone 2701 and 2702.
LONDON, ENG. - - 109 Fleet Street, E.C. W. H, Miln.
MANCHESTER, ENG. - - 18 St. Ann Street. H. S. Ashburner.
WINNIPEG - - - Western Canada Block. J. J. Roberts.
VANCOUVER, B.C. - - - Flack Block. J. A. Macdonald.
ST. JOHN, N.B. - - No. 3 Market Wharf. J. Hunter White.
NEW YORK - Room 442 New York Life Bldg.

Subscription, Canada and United States, $2.00.
Great Britain and elsewhere - - 12s.

Published every Saturday.

Cable Address { Adscript, London. / Adscript, Canada.

WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

OPPORTUNITY TO SHOW CANADIAN GOODS.

AN industrial exhibition is to be held at Osaka, Japan, from March 1 to July 31, 1903. It will be under the authority of the Government of Japan, and one of the features of the exhibition will be a building for the display of samples of foreign goods. The conditions under which exhibits may be made in this building are liberal. Electric power for working machines will, for instance, be supplied free.

Japan is among the world's most progressive countries. In the East, she is easily first in this respect. And it seems to us that Canada should take advantage of the opportunity to bring before the Japanese the products we grow and manufacture.

We do not know whether the Dominion Government has yet interested itself in the matter, or whether it intends to do so; but we think that it should do so. Certainly, this is the only way by which an exhibit representative of Canada and her industries can be secured.

If anything is to be done it must be done at once, for application for space must be in the Department of Agriculture and Commerce at Tokyo not later than June 30, 1902. The Trade and Commerce Department should at once take the matter up and induce the representative manufacturers of food products, furniture, textiles, machinery, etc., to exhibit, the Government, as a further inducement, agreeing to provide transportation to Osaka. In this way, and in no other way, is an exhibit representative of Canada probable.

At present, our export trade with Japan is small, being last year only $188,683. This, however, was an increase over 1900, when the figures were $112,308. The following table gives an abstract of the chief exports to Japan during the two years:

CANADIAN EXPORTS TO JAPAN.

	1900.	1901.
Mine	$ 9,556	8,228
Fisheries	47,773	97,047
Forest	18,527	22,791
Agricultural	6,545	8,410
Manufactures	25,305	49,657

Although our export trade with Japan is small, the above figures show that it is growing, and growing in nearly every department of industrial activity.

METALS ON BOARD THE WRECKED LAKE SUPERIOR.

SEVERAL wholesale houses in Canada have shipments of tinplate on the Lake Superior, now stranded near the harbor of St. John, N.B. As stocks are light, with some of them it is likely quite a little inconvenience will be occasioned should the shipment be delayed for any length of time.

One large manufacturing firm in Canada is particularly anxious about a six months' supply of sheet steel of special make which is on board the Lake Superior, especially as it is a duplicate order for a similar quantity which was on board the steamer which went ashore some weeks ago near New York, and whose cargo was sold at auction by the insurance companies.

When the latter steamer was wrecked the firm cabled the duplicate order referred to, and it is now wondering if the steel sheets on the Lake Superior are also not to reach its factory. If they do not the firm is certain to be greatly inconvenienced in manufacturing the line of goods of which sheet steel is the base article.

DROPS FROM THE EDITOR'S PEN.

One can already scent a strong disapproval of the perfumery combination.

With the advent of spring there is usually a jump in trade.

The average politician swallows principle in order that he may the more easily digest the actions of his political friends.

When a miner goes on strike it can scarcely be said that he "struck it rich."

ONTARIO PLUMBERS ORGANIZE.

FOR some years the master plumbers and steamfitters of Ontario have felt the need of a Provincial Association. As will be noticed from our report of the proceedings printed in another part of the paper, the desired association was formed on Friday last at a representative meeting held in Toronto.

At the convention of the National Association in Ottawa in 1899 the question of a Provincial Association was the subject of a good deal of discussion, led by the then retiring president, Mr. W. Smith, of London, Ont., who is generally recognized as the father of the idea. Very little, however, was done to crystallize the idea until 1901. At the National convention held that year in Toronto, Mr. W. Mansell, of that city, was specially delegated to organize an association in Ontario. Friday's convention was the result of his labors.

Our report of the proceedings is rather meagre. We are sure our readers, especially those engaged in the plumbing and heating trades, will regret this. But the fault is not ours. A representative of HARDWARE AND METAL has always been present at the annual convention and been allowed to take notes of such matters as would be of interest to the plumbing and heating trades. The reports published were always highly commended, as the special resolutions of the National Association amply prove. However, at the meeting of the Provincial Association on Tuesday last, the representative of HARDWARE AND METAL, afrer the meeting was opened, was told that he could not be permitted to be present.

We regret exceedingly this action on the part of the gentleman who had the meeting in charge, especially when it is so contrary to the practice of the National organization. If the objects of the Provincial Association are worthy, they will certainly receive strength from publicity, while attempts to suppress publicity of them will weaken them and cause the finger of suspicion to be pointed at them.

We refer to this matter here with the kindliest intentions, hoping that at the next Provincial convention the practice of the National Association will be followed.

A SHARP DECLINE IN TURPENTINE.

LAST week the turpentine market at Savannah was characterized by its strong bullish features; this week it is just as strongly characterized by its bearish features.

What is known as the naval stores year Savannah closed on Saturday last. On that day the price in that city was 53c. But on Monday the market opened at 45c., a decline of 8c. per gallon, or $4 per barrel. The drop was not gradual; it was sudden. We are told, however, by the despatches from Savannah that "operators were convinced that the market was under manipulation and kept out of it." The despatches also tell us that "no surprise was caused by the phenomenal loss of value shown by quotations in so short a time."

The statement that the market is being manipulated is evidently well founded, for the statistical position is not of a bearish character.

The Paint, Oil and Drug Review, Chicago, in its issue of March 26, in explaining the strong character of the market which then existed, said: "Circumstances have combined to keep back shipments from the stills, the weather conditions being unfavorable, roads impassable, etc. At the same time, the prospect of an enormous consumption of turpentine during the coming season has stimulated the demand and put buyers on the watch for supplies to meet both present and future needs. Even the fear of still further floods in the forests has been a bull factor in the market. Shrewd buyers do not propose to be caught empty-handed in case difficulty in marketing the new crop is encountered.

"High prices for spirits are certain to rule throughout the coming season. The box cut will be greatly reduced, per agreement, and the great activity in the paint and kindred trades will require a larger supply of turpentine than last year. How the supply is decreasing and the price advancing is seen in the figures of the Savannah market, which show that from March 1 to 21 there were only 2,538 casks received, against 4,330 for the same time last year, 3,089 in 1900 and 3,583 in 1899. This decreasing supply has been accompanied by a rapidly advancing market, prices going already to 50c., with 51c. or over predicted before the first of April."

Since then a despatch from Savannah says that the receipts of turpentine at that port for the year just closed were 314,346 casks, a decrease of 23,106 casks for the year. This decrease, however, is relatively smaller than the decrease shown by the total crop, as indicated in the reports of all the naval stores markets. The crop of the year not only has been smaller than that of last year, but prices have averaged lower.

According to our latest information the price of turpentine at Savannah is steady at 45c., while the movement of new crop spirits is, so far, light.

Owing to the decline in Savannah the tone in the Canadian market is naturally weak, although no change has so far been made in quotations.

SCARCITY OF SPRING GOODS.

HARDWARE AND METAL some time ago suggested, in consequence of the promising outlook for spring business, that those in the trade should place their orders early in order to protect themselves against a possible scarcity when the goods would be required.

With the opening of April, spring goods are being shipped. During the past week the quantities have been large; and already in many lines, such as rakes, hoes, manure forks, spring hinges, and poultry netting, there is a scarcity. The shortage is particularly pronounced in harvest tools.

The demand for iron and steel is still in excess of the supply, and appears likely to remain so for some time. In view of these conditions, it is only to be expected that the manufacturers of finished products should be handicapped in making delivery, especially when their orders are even more than usually heavy.

Spring trade in Canada is about a month earlier than usual, and manufacturers and wholesalers are this week being pressed, in many instances, for delivery of goods that were booked for shipment May 1.

As far as we can learn, the wholesale hardware trade for March was much larger than usual during that month.

IRON, AND ITS METHOD OF MANUFACTURE.*

By Mr. Charles Fox, Superintendent of the Hamilton Steel and Iron Co.

THE term iron, as used in a general sense, includes all those products obtained originally from iron ore by smelting with fuel. Under the general term iron we have pig iron, which is iron made from ores in a blast furnace and cast in the form of pigs. The fuel used may be coke, charcoal, anthracite coal, or mixtures of these, and the pig iron is named according to the fuel used in smelting, as coke pig, charcoal pig, or anthracite pig.

Then, under each of these, are other classifications according to the purpose the pig is applied to, viz.: Basic, Bessemer, malleable, mill, and foundry.

BASIC PIG IRON

is iron intended for conversion into steel in a basic open-hearth furnace. To be suitable for this work the silicon and sulphur must be low—the former less than one per cent., and the latter not over five one-hundredths of one per cent.

BESSEMER IRON

has its use in a Bessemer converter where the silicon and carbon are burnt out by blowing air through the molten metal. As it is impossible in the Bessemer converter to remove phosphorus and sulphur, there must be a low percentage in the pig iron, as in the requirements for finished steel the phosphorus must be below one-tenth per cent. and the sulphur below five-one-hundredths.

MALLEABLE PIG

is remelted into castings which are afterwards put in annealing ovens where the carbon, silicon and maganese are gradually removed by oxidation. Since the object is to get a casting with as little impurity as possible it is desirable to have pig iron to begin with which is low in the impurities; hence, malleable pig should have low carbon, low silicon, and low maganese. It should be similar in composition to basic pig.

MILL IRON

is used in rolling mills where it is put in puddling furnaces and where all the impurities, such as silicon, carbon, sulphur, etc., are worked out of it, making wrought iron. Sometimes wrought iron is made direct from ore without first making pig iron. This is really the process by which iron was first made. It takes a very high temperature to melt wrought iron, but it may be readily brought to a welding heat in a heating furnace, and then rolled into bars. A peculiarity of wrought iron is its fibre. When broken it presents a fracture like wood. A piece of steel in breaking shows no such fibre, only a clear uniform break. The wrought iron has slag disseminated all through it and when rolled out these lines of slag break the continuity of the metal and make the fibre.

FOUNDRY IRON

chemically speaking, is the most impure of all iron. It has in it a greater per cent. of foreign material than any other class of iron. A typical foundry iron, for making soft castings, has only about 93 per cent. of its substance iron. The remaining 7 per cent. is made up of about 3.50 per cent. carbon, 2.50 per cent. silicon, .50 per cent. maganese, and .50 per cent. phosphorus.

It is these impurities in cast iron which make it weak by comparison with wrought iron and steel, and account for its lack of ductility, but since the application of chemistry to foundry work a great deal has been done in the way of adjusting the elements which mainly influence the strength and softness of cast iron, so that castings can be made with much better adjustment of the material to the work it is intended for.

GRADING OF PIG IRON.

All foundry iron was formerly graded by fracture and color. This was done as carefully as possible, but it is a difficult matter to draw the line between a close No. 1 and an open No. 2. No matter how carefully grading by fracture and color is done there is always a considerable personal factor in this work, so that in some cases, a carload which one man would grade No. 1, another man with equal experience would grade as No 2 at another time. And even if at all times the grading by fracture were well done, it is no reliable indication of what the iron contains or the purpose it is best suited for. The grain of iron is determined partly by chemical composition and partly by the condition of the blast furnace at the time it was made. All that can de deduced from the fracture of iron is that open-grained iron is generally low in sulphur and close-grained iron is generally high in sulphur. Careful chemical analysis is the only trustworthy means of finding out what an iron contains, and what class of castings it is best suited for making.

SILICON IS THE BEST KNOWN

of all constituents of pig iron. It increases the fusibility of iron, lessens the formation of blow holes, and reduces the chance of shrinkage. The strongest castings are obtained from iron that will produce stund castings with the least amount of silicon. Pig iron, with excessive silicon, has a characteristic fracture. The grain is often close and flat, and the color light. The most important action of silicon in iron is to convert combined or hardening carbon into graphitic or softening carbon.

CARBON EXERTS

the most vital influence upon the character of pig iron. It affects the color, strength, hardness and fusibility of cast iron. It exists in pig iron in two distinct forms, the combined and the graphitic. Upon the relative proportions of each, in a great measure, depends the character of the metal.

The tendency of phosphorus is to prevent blow holes and render the metal very limpid so that it will give an extremely fine or sharp casting. The percentage of phosphorus varies in the pig iron from a trace to several per cent.

MANGANESE

assists in the prevention of blow holes. It has a great affiinity for sulphur. When iron is melted with fuel containing a high percentage of sulphur, the manganese seizes upon the sulphur and carries it off in the slag. It also strengthens the castings.

THE INFLUENCE OF SULPHUR.

Sulphur is without doubt the most deleterious substance found in pig iron. It makes iron red short, i.e., brittle when hot, also hard and white, sluggish and thick, thus causing blow holes during its soldification. Limestone is generally used for removing sulphur. When iron is melted in a cupola it loses some silicon, carbon, and managanese. These elements being oxidized by the air blown into the cupola, it follows, since these softening elements are reduced by smelting iron in a cupola, that castings are harder than the pig iron from which they are made. Each successive smelting removes still more of the softening elements, carbon and silicon. The only element absorbed by iron in the cupola is sulphur, which it takes from the coke. As the affiinity of sulphur for iron is greater at low temperature than at high temperature, more sulphur will be taken up when castings are made with iron just above melting heat than if they are made with very hot metal. Coke, for foundry use, should be of the highest grade obtainable, because the impurities in the coke are taken up to a very high extent by the iron in melting. Good coke has a bright lustre and a metallic ring. It should be strong and light, and low in sulphur. The only ac-

*Paper read before the Canadian Association of Stationary Engineers at Hamilton, Ont.

curate way to determine the amount of sulphur in coke is to have it analyzed by a reputable chemist.

THE BLAST FURNACE.

Coming now to the blast furnace. If we had merely to melt the iron, as in a cupola, the operation would be comparatively simple, it being only necessary to maintain the proper temperature. But in the blast furnace we have to take away oxygen from the iron it is combined with in which combination it is known as ore. After separating the iron from it it has to be melted, and has to be impregnated with carbon and silicon. It is probable that these three reactions take place in some degree, simultaneously.

REMOVING THE OXYGEN.

To take oxygen away from iron and silicon heat is not enough : we must have the combined action of white hot carbon and heat of special intensity. This heat is obtained by blowing a strong blast of air into the bottom of the furnace through tuyeres. This air has been previously heated in firebrick stoves to a temperature of about 1,200 degrees F. and when it enters the tuyeres it meets a layer of coke which has already been made white hot, by descending from the top of the furnace through ascending gas. When the highly heated air meets the white hot carbon, rapid combustion takes place, and an extreme high temperature is developed.

In a furnace working regularly the temperature is highest at tuyeres and gradually decreases to the throat. It has been proved by chemical and physical laws that this method of working is the most economical of fuel, besides giving a better and more uniform grade of iron.

Several causes may produce

IMPROPER DISTRIBUTION OF HEAT

in a furnace. The affinity of carbon for oxygen is greatest at high temperature, and when the temperature of the blast is raised combustion is more rapid, and, as a result, the zone of combustion and greatest heat contracts. Now, if the initial temperature of the blast is lowered the zone widens and the heat extends higher up in the furnace, causing fusion above. The partly reduced oxides coming in contact with the silicia of the gangue form a fusible silicate and pass into the hearth unreduced, making scouring cinder. In a furnace working in good condition the ore is reduced mainly in the upper part of the furnace by the ascending gas. The impurities in the ore and stone combine to form the slag. Refractory slag has an excess of lime and a deficiency of silicia. It requires a high temperature for its formation, and the reduced iron in dropping through it will be exposed a long time to the intense heat of the tuyeres before passing into the liquid state at the bottom of the hearth. When the temperature at the zone of fusion is low, caused either by low temperature of blast, or a large amount of moisture in the air, or by unreduced ore coming down into the hearth, the amount of silica taken from the slag will be small and the slag, on account of this excess, will be too fusible and the iron, not being retained long enough at a high temperature, will not become carbonized sufficiently and an inferior grade of iron is the result. Blast furnaces capable of making 300 or 400 tons of iron a day are now the rule, and in some cases as much as 600 tons are obtained. This large increase in output, from what prevailed several years ago, has been brought about mainly by fast driving, i.e., blowing more air into the furnace. A furnace making 300 tons a day will require 33,000 cubic feet of air per minute, and from 300 to 350 tons of coke will be required, according to the kind of iron made.

DEATH OF EX-SENATOR OGILVIE.

A MAN who took no mean part in the development of Canada has passed away in the person of ex-Senator A. W. Ogilvie, who died at Montreal on March 31, with pneumonia.

For over half a century his life was connected with the history of this country, which owes him much for his services in extending its commerce. He, with the assistance of his younger brothers, built up The Ogilvie Milling Company, a concern that has now huge mills in Montreal, Seaforth, Goderich and Winnipeg, and elevators in every part of the great West. Several of the largest financial concerns of Montreal number him among their organizers and directors. He was president of The Western Loan and Trust Co., vice-president of The Sun Life Assurance Co. of Canada, vice-president of The Montreal Loan and Mortgage Co., vice-president of The Dominion Burglary and Guarantee Co., vice-president and chairman of The Montreal Board of Directors of The London (Eng.,) Guarantee Co., and a trustee of the Mount Royal Cemetery. He was also a member of St. James Club, and manager of the John Ogilvie estate.

He took part in the political affairs of this country for many years and his personal popularity and genial qualities made him a man hard to beat in the political field. The party to which he belonged was rendered valuable assistance by his great administrative powers. He was a Conservative and was a member of the Senate from 1881 until last year, when he resigned.

Alexander Walker Ogilvie was a native of St. Michel, Que., being born on May 7, 1829. His father was the late Alexander Ogilvie, who came with his parents from Stirlingshire, Scotland, to Canada in 1800, settling on the Chateauguay river, and afterwards at Point St. Charles, in the Province of Quebec. He was educated at the local schools and in 1852 formed a partnership with his uncle, the late James Goudie, in the flour business. Two years later Mr. Goudie retired and A. W. Ogilvie & Co. was formed to engage in business as grain merchants and proprietors of the Glenora Mills at the Lachine canal. He later on took in with him as partners his younger brothers John and the late Wm. W. Ogilvie, and retired from the firm in 1874. He first entered public life as alderman in the Montreal City Council and was a member of the Provincial Legislature from 1867 to 1878, excepting for the period between 1871 and 1875. He was afterwards appointed a Senator in 1881.

The deceased is survived by a widow, who is a daughter of the late William Leney, one son, Mr. Shirley Ogilvie, of Ottawa, and three daughters, Mrs. Playfair, of Midland, Ont.; Mrs. Gemmell, of Ottawa, and Mrs. S. A. McMurtry, of Montreal.

SAILS VS. LOCOMOTIVES.

IN an address at the recent dinner given by The Baldwin Locomotive Works, to celebrate the completion of its twenty-thousandth engine and the seventieth year of continuous operation, J. H. Converse, of the firm, recalled interesting facts of the early days of locomotive building. He said : "When Mr. Baldwin took his first order for a locomotive there were 95 miles of railroad in the United States. Those few miles of railroad existed along a strip adjoining the Atlantic Coast. The Germantown Railroad had been built and was operated by horse power. The Baltimore & Ohio Railroad had been built as far as Ellicott's Mills, and the problem was still confronting its management whether it was practicable to operate it by steam or whether horse power should continue to be the motor.

"The idea of propelling cars by sail was one of the schemes which the Baltimore & Ohio management at that time seriously considered. The Philadelphia & Columbia Railroad, which made its exit from Philadelphia by an incline plane to Fairmount Park, was just beginning its construction, and in a short time, in connection with the canal system of Pennsylvania and the Portage Railroad, was brought forth and formed the great highway across the State of Pennsylvania. Mr. Baldwin's first locomotive took one year nearly in completing. It was ordered in 1831 and was placed on the Germantown Railroad in 1832. A controversy arose with the management of the Germantown Railroad as to the price, and it was necessary to submit the matter to arbitrators, and they decided, after a prolonged consideration of the problem, that Mr. Baldwin was entitled to receive $3,500 for his first locomotive, and he is credited with having said : 'This is my last locomotive.' He was mistaken, because within one year he had received an order from the South Carolina Railroad and another from the Philadelphia & Columbia Railroad. Those first locomotives of 70 years ago weighed from 10 to 12 tons each."

WIRE NAILS
TACKS
WIRE

Prompt Shipments

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

INDUSTRIAL GOSSIP.

NEW FOUNDRY COMPANY. In The Canada Gazette of March 29 notice is given of the application of Thomas J. Drummond, Edgar Mill McDougall, and George Drummond, manufacturers; John Dyer, manager; and T. Brosseau, advocate; all of the city and district of Montreal, in the Province of Quebec, for incorporation as a limited liability company, to be known as The Canadian Foundry and Iron Company, Limited.

The provisional directors of the company are Thomas J. Drummond, Edgar Mill McDougall and George Drummond, and its chief place of business is to be Montreal. The amount of capital stock is placed at $150,000, divided into 1,500 shares of $100 each.

The stated objects for seeking incorporation are as follows: To carry on throughout the Dominion of Canada the business of manufacturing and dealing in car wheels, iron and steel castings, railway supplies and general foundry and machine work and other business of a like nature or incidental thereto, with the right to acquire the goodwill, rights, property, business, assets or liabilities, or any part thereof, of any person, firm, association or corporation, now or hereafter engaged, wholly or in part, in the same business; to purchase, lease, exchange or otherwise acquire any and all rights, privileges, permits or franchises suitable or convenient for any of the purposes of the business.

A NEW HARVEST TOOL CO. The Maple Leaf Harvest Tool Co., Limited, is applying for incorporation. The names of the incorporators are as follows: Cosmos John Shurly, manufacturer; Jerome Colwell Dietrich, manufacturer; Fred Douglas Palmer, bookkeeper; William Warden Janney, mechanic; Oscar Herman Vogt, traveller; Charles Derrick Lansing, mechanic, all of Galt, Ont.

The place of business will be Tilsonburg, Ont.; the capital stock is $100,000, divided into 1,000 shares each of a value of $100. The objects of incorporation are for the manufacture of harvest and edge tools, saws, shovels and agricultural implements.

THE DUTY ON CAST STEEL FOR SCISSORS.

A recent issue of The Canada Gazette contains a notice of the amendment of the order of the Governor-General-in-Council of February 15, 1902, respecting the free entry of steel castings in the rough for the manufacture of scissors and hand shears. The amendment is as follows: "That under the provisions of the Customs Act the following articles be transferred to the list of goods which may be imported into Canada free of duty, viz:

"Malleable iron or steel castings in the rough for the manufacture of scissors and hand shears, when imported by the manufacturers of scissors and hand shears to be used in making such articles in their own factories."

The Men Who Succeed

in business are the men who do things in a careful, systematic way. A business man without method is like a ship without a rudder.

THE SHERWIN-WILLIAMS PAINTS

are successful paints, because there are system and good methods back of them. There are no paints that are pushed with such forceful selling methods. The minute the goods get on the dealer's shelves the selling campaign begins. Every argument and every means that can be employed are employed to force the paints into the consumer's hands. But this is not done in a "spurt" fashion that soon loses its force and energy. It's a persistent, carefully-thought out, and fully developed campaign. We are pushing and working with the dealer all the time. There is no let up. That's the kind of method that wins business.

We have a booklet, the B-13, "PAINTS AND METHODS THAT BRING SUCCESS." It illustrates most of our paints and our paint selling helps. It tells in a brief convincing way why most money can be made by selling The Sherwin-Williams Paints. It's a booklet you ought to have. Write for it to-day.

THE SHERWIN-WILLIAMS CO.
PAINT AND VARNISH MAKERS.
CLEVELAND.
CHICAGO, NEW YORK, NEWARK, MONTREAL, BOSTON, TORONTO, SAN FRANCISCO, KANSAS CITY.

HE ANSWERED THEM ALL.

A Connecticut merchant who applied to a New York house for goods on credit, says The Wall Street News, was met by the reply that he had failed, and paid only 10 cents on the dollar.

"Very true," he replied, "but I am the only merchant in the town who ever paid over six."

"Didn't you allow your paper to go to protest last winter?"

"Yes, but the doctors said I couldn't live 24 hours just then, and I wasn't thinking of earthly things."

"Haven't you put all your property in your wife's name?"

"Well, yes, but she knows more about business in five minutes than I do in half a day."

He was given credit for $200.

REFLECTIONS OF A TRAVELLER.

Never take the train to the next station while you are doing business where you are.

There is nothing so difficult to oppose in argument as statistics in the hands of the other fellow.

It is not good policy to be always explaining why. Try not to have anything to explain.

If you want to earn a man's regard, induce him to perform some slight service for you. He will think more of you than if you had loaded him with favors.

Never criticize another man's goods. You create a prejudice against your own in the minds of your customers.

The most agreeable man is not always the best salesman. The best story teller usually sells the fewest goods.—Interstate Grocer.

GOOD CLERKS.

Dull seasons come to all stores—seasons when more energy and push and good, hard work is required to make sales and keep up the business. Here is where the trained and permanent clerk shows his value.

Then another thing, a merchant can put his confidence in the doings of a good man, and sleep easy nights. He need not keep his eye continually on the conduct of such a clerk. He need not feel that the customer is being handled improperly. He may rest assured that the sale will be made if honest and capable salesmanship can make it a all.—Good Advertising.

INQUIRIES ABOUT CANADIAN GOODS.

THE following were among the recent inquiries relating to Canadian trade received at the Canadian Government Office in London :

1. The agent in London for French colored roans (sheepskins colored in various shades) and bends (stout sole leather) asks to be referred to Canadian importers of such goods.

2. A Lancashire firm manufacturing cotton main driving ropes, cotton bandings, cotton twines, etc., desire to get into communication with Canadian users and dealers in these goods.

3. Inquiry is made by an Irish house for all classes of timber, spruce sheetings, floorings, mouldings, etc.

4. A first-class house in Leith, Scotland, is desirous of getting in touch with a reliable firm in Canada exporting grain, pease, wheat, barley, etc.

5. A London agent has a demand for birch, maple, oak and pitch pine wood blocks for flooring, c.i.f. any port in the United Kingdom ; also for furniture wood and coffins and caskets in shook.

6. A correspondent at Castellanza, Italy, inquires for Canadian manufacturers and exporters of acetate of lime.

7. A Glasgow firm asks to be referred to makers of casein or lactarine in Canada.

8. Inquiry is made by a wholesale stationery firm for Canadian mills turning out large quantities of manila folding box boards.

9. A Birmingham firm of carriage-lamp makers are desirous of doing a business with Canada in this line, and request to be placed in communication with suitable firms.

10. The names of Canadian fishing-rod makers are asked for by an English importer.

11. A firm in the Midlands is desirous of arranging for direct consignments of Canadian apples, either on commission or at so much per bbl. advanced against bill of lading.

12. A London firm of wholesale and export cabinetmakers ask to be referred to Canadian shippers of chair stock, seats, backs, legs, etc.

13. Inquiry is made for the names of one or two parties in Canada open to represent an exporter of groceries—jams, pickles, sauces, etc.

14. An Irish exporter of sponge cloths which can be woven to any pattern and used where cotton waste is employed, at less cost, and of Irish moss, is desirous of finding a market for these goods in Canada and of being referred to buyers in the Dominion.

15. A commission agent at Newcastle, with good connection, wishes to hear from Canadian manufacturers desiring representation in that quarter.

16. The manufacturers of certain table dainties are desirous of doing a business in Canada in these goods.

17. A North of England house manufacturing quilts and towels make inquiry respecting the opening that exists for their goods in the Dominion.

18. The agency for a Canadian exporter of wood pulp is desired by a Brussels firm who could take up the representation for Belgium and Holland.

[Names of the firms making the above inquiries can be obtained on application to the editor of THE HARDWARE AND METAL. When inquiring, kindly give date of issue and number of paragraph.]



THERE ARE BICYCLES AND BICYCLES BUT ONLY ONE TRUSS FRAME BICYCLE

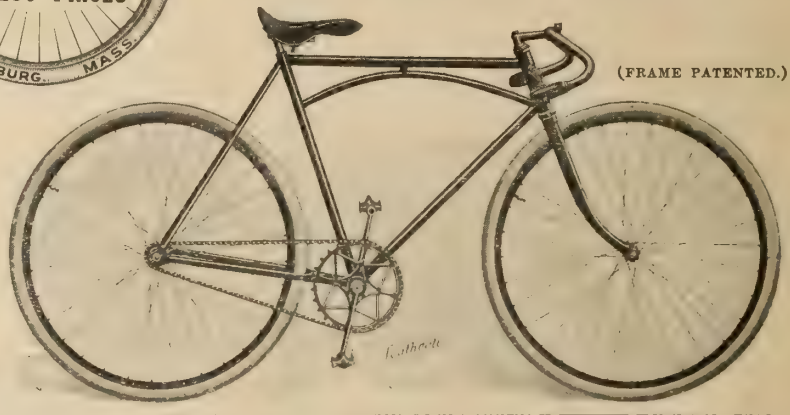
THE IVER JOHNSON

THE RIDERS' FAVORITE FOR 1902.

ALL COMMEND IT. NONE CONDEMN IT.

It is a bicycle born of experience—
The kind that rises superior to competition.

Write for agency proposition. Catalogues mailed free.



(FRAME PATENTED.)

IVER JOHNSON'S ARMS & CYCLE WORKS,

Fitchburg, Mass.

New York Salesrooms—
99 Chambers Street.

ZANZIBAR TRADE PMRA

You Haven't Time

for a long story about your business going to ruin if you don't handle THIS or THAT paint. YOU'LL GET ALONG with any good paint (and there are several), but you **can't** make a **mistake,** which is the first consideration, and you **can** make better margins, which is a close second, by handling

ZANZIBAR PAINTS.

Unequalled for strength of color, durability of gloss, length of service, weather and water proof qualities.

Did you receive our Pioneer Card ?

The Zanzibar Paint Co. Limited.

TORONTO.

STANYON ENGINEERING CO.

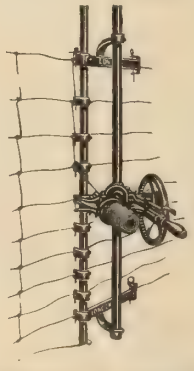
402 McKINNON BUILDING,

Phone Main 2177. TORONTO

CONTRACTING AND CONSULTING ENGINEERS.

Steel Works, all kinds of Rolling Mills, Wire Mills, etc., all built complete. Machinery designed for any purpose

GENERAL OFFICES, - - PITTSBURG, Pa.



LONDON FENCE MACHINES

Are so light, durable and practical, and so easily and rapidly operated, that farmers cannot help seeing that they are unlike any of the big, clumsy and costly machines which have been on the market.

The LONDON builds the highest standard of coiled spring woven wire fence, and as it will more than pay for itself the first year, our machines find quick sales and fast friends.

The agency for the LONDON will pay the dealer, and never fails to draw custom and please the purchaser.

Our Spring Catalogue will be out shortly and a copy will be forwarded on request. Write for our trade prices on coiled spring wire.

THE LONDON FENCE MACHINE CO., Limited.

LONDON, ONTARIO.

H. S. HOWLAND, SONS & CO.

WHOLESALE ONLY

37-39 West Front Street, **Toronto.**

ONLY WHOLESALE

BOKER'S FENCE PLYERS.

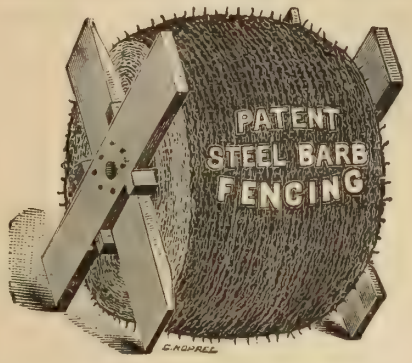


Handles turn in.
No. 1319—6 to 12 inch.

GALVANIZED FENCE WIRE.



Plain Twist.



Barb, 4, 5 and 6 in. apart.

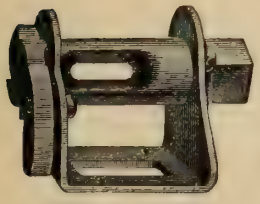


Barbed.

BOKER'S FENCE PLYERS.

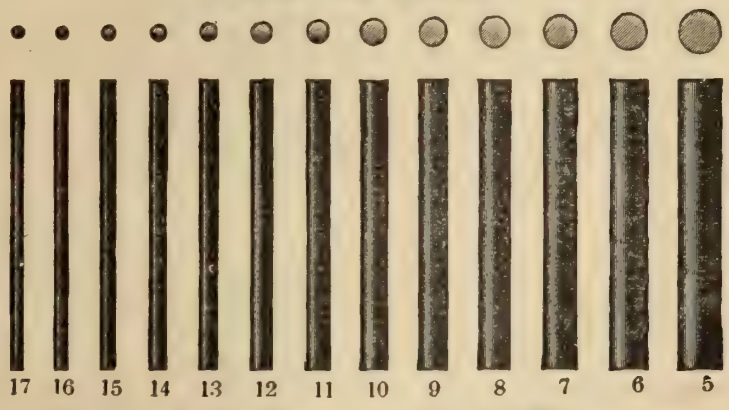


Handles turn out.
No. 1373—8 to 12 inch.



FENCE RATCHET.

WIRE IN COILS.

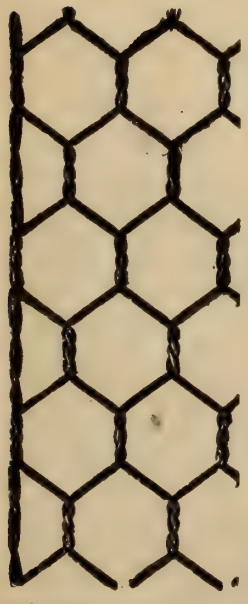


Annealed Hay-Bailing Wires.
Oiled and Annealed Wires.

Galvanized Wires.
Bright Tinner's Wires.
Coppered Wires.

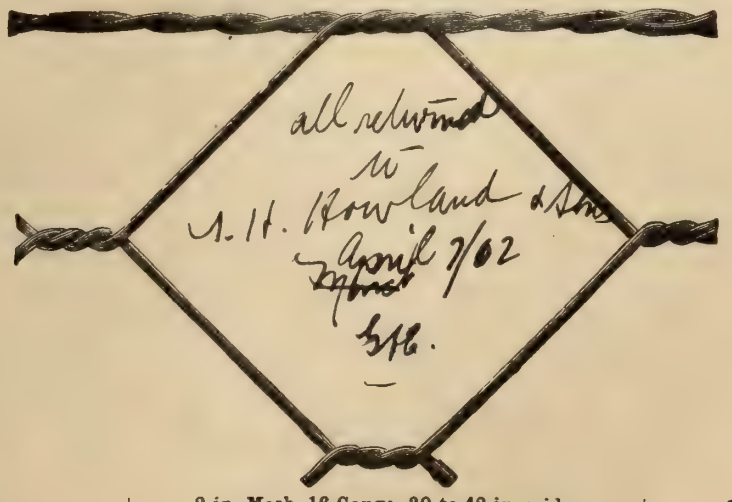


"Samson" B.W. Stretchers.



½-in. Mesh, 20 Gauge, 24 to 36 in.

POULTRY NETTING.



2-in. Mesh, 16 Gauge, 30 to 42 in. wide.
2-in. Mesh, 19 Gauge, 12 to 84 in. wide.



1-in. Mesh, 20 Gauge, 12 to 36 in.
1½-in. Mesh, 19 Gauge, 18 to 48 in.

H. S. HOWLAND, SONS & CO., Toronto.

WE SHIP PROMPTLY

Graham Nails are the Best.

OUR PRICES ARE RIGHT

Factory: Dufferin Street, Toronto.

NOVA SCOTIA MARKETS.

Halifax, N.S., March 31, 1902.

THE spring hardware business which opened up so well still continues extremely active, a large business being done in the special lines, and a good all-round business in general lines. The various travellers, some of whom have lately returned from very successful trips, report the prospects for business very encouraging throughout the whole of the Maritime Provinces.

* * *

The spring season having opened up much earlier than usual, the orders for this season are required by the country jobbers and retailers at least a month earlier than expected, and the wholesalers are, in some lines, somewhat handicapped, on account of the rush of work at the manufacturing centres and the difficulty in procuring goods any earlier than the requirements of the trade anticipated. In fact, the manufacturers are only able to be behind dates, rather than ahead. However, the city firms were well stocked in most lines and are able to give their customers fair satisfaction.

* * *

Though prices remain practically unchanged—with the few advances recently noted—the iron and steel markets remain firm with an advancing tendency, and changes in many lines would not be surprising at any time. Dealers are now expecting an advance in wire and wire nails, as the general demand has been great and the market is very firm.

* * *

Prices of all kinds of harvesting implements have advanced from 5 to 7½ per cent. However, this advance is not excessive as there had been a considerable break in prices last fall, and this is simply a return to old prices. There is now so much competition between Canadian and American manufacturers that there is not any probability of a further advance in this line unless induced by a general advance in all lines of iron and steel.

* * *

So much has the use of iron and steel increased of late years—through the building of steel bridges and the great activity in the building of railroads, for example—that to follow the trade in steel and iron is a study. The Dominion Iron and Steel Co., at Sydney, is now shipping steel billets regularly to the United States—five cars went through by rail a few days ago to Troy, N.Y. They have shipped considerable quantities of pig iron to England and Scotland. So great is the demand for steel rails that the large orders, which could not be filled in either the United States or in England, have gone to Germany—the C.P.R. having placed an order for 20,000 tons, and the G.T.R. is reported as ordering the same quantity. These are very much like cases of carrying coals to Newcastle.

* * *

The demand for linseed oil is good at this season of the year, and jobbers are putting in their spring stocks. Prices remain unchanged at the late advances. Raw, in barrels, 85c.; smaller quantities, 90c. Boiled, in barrels, 88c.; smaller quantities, 93c. Turpentine has been subject to quite an advance and is now quoted at 77c. in barrels; 5c. higher for smaller quantities. Dealers have a good quantity of both on hand and are not looking for further advances. The cordage situation remains about the same. There is a good demand, and the market is firm. Manila is quoted at 16c. base; sisal at 12½c. base. The demand for building paper and other builders' material is good and considerable is going out. Building paper is now quoted at 30c. for dry—a reduction of 5c., and tarred at $1.80 per 100 lb.

* * *

The large demand for fishing supplies is fairly well over, the fishermen in most instances being now fitted out for the season's work. The future demand will depend largely on the weather and the amount of wear and tear on the vessels and fishing gear.

R. C. H.

LOCKOUT OF PAINTERS.

A lockout of the journeymen painters of Toronto is on this week. The men demand an increase from 25c. to 30c. per hour and an eight-hour day.

Several months ago the new schedule was drafted by the men and submitted to the employers, who refused the advance, saying that the demands were unreasonable.

The Master Painters' Association afterwards agreed to compromise at 27½c. per hour and an eight-hour day at a conference between them and their men, but this compromise was refused by the Painters and Decorators' Union, and a large number were locked out on April 1.

Several meetings have been held since, both of the master painters and the painters' union, but nothing has been settled. But, on Thursday night, April 3, the men finally decided that if 30c. an hour were refused them, those at present working would join the men now out.

There are 522 men employed in 240 shops in Toronto. The largest of these shops are Elliott & Co. and J. B. McCausland & Co.

It is claimed by the men that a number of bosses have agreed to their demands.

EARNINGS OF THE STEEL TRUST.

The New York Journal of Commerce, April 2, says: "The directors of the United States Steel Corporation at a meeting ratified the plan of the Finance Committee for a new issue of bonds, to retire part of the preferred stock and to provide additional capital. Details of the bond issue were withheld, but a special meeting of the stockholders was called for May 19 to act on the proposition.

"Yesterday's meeting was the first since the company completed its first fiscal year. A statement of earnings for the full year (the returns for March being estimated) was given out. The showing was a favorable one, showing a total of over $111,000,000, as follows:

April, 1901		$7,356,744
May, "		9,612,349
June, "		9,394,747
July, "		9,580,151
August, "		9,810,880
September, "		9,272,812
October, "		12,205,774
November, "		9,795,841
December, "		7,758,298
January, 1902		8,901,016
February, "		7,678,583
March, 1902 (estimated)		9,700,000
Net earnings		$111,067,195
Sinking funds	$3,059,913	
*Depreciation and reserve funds	12,339,782	
		$15,399,695
Balance		$95,667,500
Interest		15,200,000
Balance		$80,467,500

Dividends for the year on stocks of United States Steel Corporation, viz:

Pref'd, 7 per cent.	$35,682,832	
Com., 4 per cent.	20,309,601	
		$55,992,433
Dividends on outstanding stocks of subsidiary companies	25,350	
		56,017,783

*Undivided earnings for the year applicable to increase "depreciation and reserve fund" accounts, new construction or surplus $24,449,717

FIRST HOLIDAY FOR 17 YEARS.

Mr. W. B. Clifton, hardware merchant, tinsmith and plumber, Alliston, Ont., was in Toronto this week accompanied by Miss Clifton. He is taking a holiday trip, the first in 17 years, or, in other words, the first since he began business. His trip will extend over a period of three weeks.

"Business last year," he said, in reply to a question, "was better than I ever experienced it. Compared with the previous year it was double. The farmers in our neighborhood are in a prosperous condition. They have gone extensively into stock-raising, and this spring a number of them are building new barns or improving old ones. The same can also be said of their dwellings, although not to the same extent. All of this, of course, makes it better for the hardwareman."

Mr. Clifton spoke highly of HARDWARE AND METAL. "I would not like to be without it," he said. "It has saved me many a dollar. Last December, from what I read, I concluded it would be a good time to place my order for rope. I did so, and, of course, you know what rope isnow and what it was then."

"MIDLAND"
BRAND

Foundry Pig Iron.

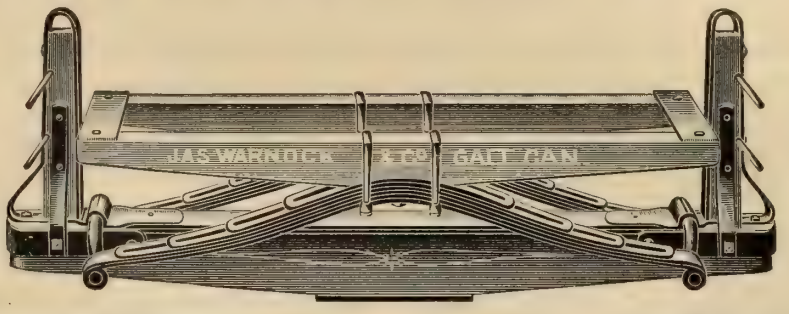
Made from carefully selected Lake Superior Ores, with Connellsville Coke as fuel, "Midland" will rival in quality and grading the very best of the imported brands.

Write for Prices to Sales Agents

Drummond, McCall & Co.
or to MONTREAL, QUE.
Canada Iron Furnace Co.
MIDLAND, ONT. Limited

"The Peerless"

is the best Bolster Spring ever produced. A fine line for the hardware trade. Write Us For Prices.



James Warnock & Co. = Galt, Ont.

RICHARD JOHNSON, CLAPHAM & MORRIS, Ld., Manchester AND LIVERPOOL, ENG.

CABLE ADDRESS—"Metallicus," Manchester.
CODES USED—ABC, AI, Liebers and Private Code.

Manufacturers and Metal Merchants

GALV'D SHEETS
GALV'D CANADAS
BLACK SHEET IRON
BLACK CANADAS
Range & Furnace SHEETS

TINPLATES, TERNES
TINNED SHEETS
PIG TIN, PIG LEAD
WIRE NETTING
GALV'D BARB WIRE



WAREHOUSE LEVER STREET

MONTREAL OFFICE:
Messrs. Copland & Co., Imperial Buildings.

HALIFAX OFFICE:
Messrs. Grant, Oxley & Co., 68 Bedford Row.

The White Mountain Ice Cream Freezer

Makes the FINEST and SMOOTHEST
Cream the QUICKEST


Will freeze cream in 4 minutes.

Built with Triple Motion
Duplex Malleable Iron Beater
Strong Waterproof Tub
Bound with Heavy Galvanized Iron Hoops.
Extra Heavy Charcoal Tinplate Can
Covered Gearing
Double Scraper

POSITIVELY THE BEST FREEZER IN CANADA.

SOLE AGENTS FOR CANADA:

THE McCLARY MANUFACTURING CO.,

London, Toronto, Montreal, Winnipeg, Vancouver, St. John, N.B.

CORDAGE

ALL KINDS AND FOR ALL PURPOSES.

Manila Rope	Lathyarn
Sisal Rope	Shingleyarn
Jute Rope	Bale Rope
Russian Rope	Lariat Rope
Marline	Hemp Packing
Houseline	Italian Packing
Hambroline	Jute Packing
Clotheslines	Drilling Cables
Tarred Hemp Rope	Spunyarn
White Hemp Rope	Pulp Cord
Bolt Rope	Lobster Marlin
Hide Rope	Paper Cord
Halyards	Cheese Cord
Deep Sealine	Hay Rope
Ratline	Fish Cord
Plow Lines	Sand Lines

"RED THREAD" Transmission Rope from the finest quality Manila hemp obtainable, laid in tallow.

CONSUMERS CORDAGE COMPANY, Limited

Western Ontario Representative—
WM. B. STEWART,
Tel 94. 27 Front St. West, TORONTO.

MONTREAL, QUE.

DIRECTNESS AS A BUSINESS QUALIFICATION.



IRECTNESS is a cardinal virtue of the man who succeeds. He does not go over a thing, or around it, but to it and through it. If he calls to see you on business, he does not spend 15 minutes in introducing his subject; he strikes directly to the heart of it; he does not waste your time on preliminaries or non-essentials, but proceeds to attend to the business in hand, and, as soon as he finishes—stops.

If there is anything that a successful business or professional man dislikes, it is a man who gets into his private office by "hook or crook," and proceeds to talk about all sorts of things except the one thing for which he called. He inquires after one's health, and the health of one's family, and asks various other questions not pertaining to the business, but does not arrive at his own errand until he has entirely exhausted the patience of his auditor.

Many a man has failed to get a hearing on a worthy and commendable proposition merely because he has bored some capitalist, or impressed him, by his indirection, as being impracticable.

The quality of directness is characteristic of all men of great executive ability, because they value time too much to squander it in useless and meaningless conversation; it is an indispensable quality of the leader or manager of all large enterprises.

Many a man has gone down to failure because he lacked ability to arrive quickly and effectively at a conclusion. While he was deliberating and balancing and "beating about the bush," the opportunity to save himself passed and the crisis ruined him.

EVERY QUESTION DOES NOT NEED AN ANSWER.

Indirectness has ruined many a rising lawyer. The justices of the Supreme Court of the United States say that it is one of the most difficult things with which they have to contend. Young lawyers, too much impressed with the importance of a Supreme Court appearance, give long introductions, spin out oratory, explain self-evident points, and send forth copias verborum until they weary the court and hurt their own causes. It is not oratorical display, not verbiage, not well-rounded periods, but direct, clean-cut English, that judges want—facts, clearly, briefly, and decisively stated.

It does not matter how much ability, education, influence, or cleverness you may have; if you lack the art of coming to the point quickly and decisively, of focusing yourself immediately, you can never be very successful.

We know many young men who were graduated with honors from college, and who have always impressed us as youths of great possibilities and great promise; yet, somehow, they never focus, they never get anywhere; they are always about to do something; they are usually just going to come to the point, but fall a little short of it. Men who are well bred, well educated, and superbly equipped, have often disappointed their relatives, their friends, and themselves, simply because they lacked directness or the faculty of focusing their ability upon one point until they burned a hole in it.

A thimbleful of powder, packed behind a ball in a cartridge and fired from a rifle, may penetrate iron or steel and perform great execution; but a wagonful of powder burned without confinement would hardly stir a feather 20 feet from it. Indirect people flash all their powder in the pan, and never fire the charge or start the ball.

In selecting a boy from a score of applicants, a screwd employer will take the one who gets to his subject directly, states it concisely, with the fewest words, outlines his position briefly and stands or falls by it, and does not bore him by telling of the great things he has accomplished or of what he can do.

Writers, when afflicted with the disease of indirectness, grow redundant. They tire readers with useless description and meaningless verbiage, making them impatient at wading through pages and chapters for the kernel, the point, the purpose. They fail to make their writings direct and compact by concentrating expression, but are diffuse. They have not learned the Napoleonic art of massing their forces.

Some of the most meritorious books ever written remain unread on dusty shelves because of their long, tedious, meaningless introductions and treatment. The writer made his point so late in the book that the reader was tired before he reached it and threw the book aside with disgust, and advised other people not to read it. If an introduction is long, verbose, "dry," or uninteresting, readers take it for granted that the rest of the book is similarly objectionable, and stamp it as "poor reading," and a "waste of time," thus condemning it to their friends. The book may be of great value, but, in these days of rush, with good books plentiful, people do not wish to spend valuable time reading pages and pages of uninteresting and verbose writings.

INTEGRITY WILL BAFFLE TRICKERY.

A large number of the articles received by editors lack directness. Many are really useful works, but the writers waste space in useless introductions and meaningless preliminaries before they reach their real stories or arguments, and the editor gets disgusted before he understands the gist of the article, and so he returns it with his usual thanks. An efficient editor abhors indirectness, and hates to examine the manuscripts of writers who use these pleonastic, ambiguous introductions or never reach their messages until near the close of their articles. Not long ago, the writer saw a manuscript whose introduction occupied nearly three-quarters of the available space.

Reporting on great dailies is a splendid drill for writers who never arrive anywhere. Reporters soon abandon meaningless introductions; they learn to tell a story directly and tersely—to give it pith, point and purpose, for nothing else will be received by competent managing editors.

Everybody dislikes indirectness, ambiguity, circumlocution, because they waste valuable time and clog all progress; the direct method is the winning one in every vocation.

Cultivate, then, this great secret of focusing effort, coming to the point, and striking at the heart of the subject, for therein lies a great secret of success.—Success.

HOME PRODUCTS.

The Canadian Manufacturers' Association wish to educate the general public to use, as far as it can, goods only of Canadian manufacture. With this end in view it is proposed to raise a fund for the purpose of providing lectures, exhibits and conducting a general educational campaign laying before the people that it is to their advantage to buy, when possible, only Canadian-made goods, thereby keeping a large number of employes at work in this country. It will be pointed out that the imports of goods from the United States are rapidly increasing and that these same imports chiefly consist of articles that can be readily manufactured in Canada.

BUSINESS MEN'S LEAGUE.

THE Business Men's League, of Montreal, held their annual meeting on March 26, and elected officers. The officers for 1902 are as follows :

President—Henry Miles.
Vice-President—Charles Chaput.
Treasurer—J. C. Holden.
Executive Committee—Henry Miles, F. W. Evans, Charles Chaput, George E. Drummond and J. C. Holden.

The following comprise the ordinary committee : G. T. Bell, general passenger agent Grand Trunk Railway ; C. E. E. Usher, general passenger agent Canadian Pacific Railway ; H. A. Price, general passenger agent Intercolonial Railway ; T. L. Paton ; N. E. Hamilton ; A. Lalonde, Boston and Maine Railway ; Walter Paul ; W. Birks, of Henry Birks & Sons ; E. H. Botterell, of John Henderson & Co.; Hon. Louis Beaubien ; Hon. J. D. Rolland ; Ald. Ames ; W. D. Lighthall ; George Hague and C. S. J. Phillips.

President Miles, in his annual report, referred to the incorporation of the league by the Legislature of Quebec.

This year the efforts of the league towards street improvements had resulted in the making of better provisions for the looking after the streets, and it is hoped that things will appear much better within a reasonable time.

The committee had also been successful in securing several conventions for Montreal, but, owing to the deficiency of hotel accommodation, it was difficult to arrange for larger gatherings.

It was suggested that an information bureau be established for the benefit of strangers, by way of informing them of the accommodations and attractions of the city and Province. The incoming executive were advised to apply to the Quebec Provincial Government for their annual grant, and the Montreal City Council should also be approached with a similar appeal.

A PARTNER ADMITTED.

William A. Hillhouse, hardware merchant, Shelburne, Ont., had admitted as partner Jas. H. Nichol, of Toronto. Mr. Nichol is a practical tinsmith, and an up-to-date hardwareman. The business will be conducted in future under the style of W. A. Hillhouse & Co.

Tenders are being advertised for for the erection of a new church at Burford, Ont.

CONDENSED OR "WANT" ADVERTISEMENTS.

Advertisements under this heading, 2c. a word each insertion; cash in advance. Letters, figures, and abbreviations each count as one word in estimating cost.

HARDWARE BUSINESS WANTED.

WANTED—TO BUY—SMALL HARDWARE Business in growing town. Immediate possession. Address, Box 84, HARDWARE AND METAL, Toronto.

To Machine Manufacturers

We are prepared to take up a sole agency for any class of machinery. Send lists and best terms to

THOS. CUDLIPP & CO., (15)
8 Church St., Edgware Rd., London, E.C., Eng.

THE LONDON SCALE WORKS

GEORGE M. FOX
(Successor to John Fox.)
Manufacturer of Railroad, Hay and Platform Scales.
91 York Street, LONDON, ONT.

"Triumph" Adjustable Stove Pipe

WANTED—Travellers covering the Provinces, except Ontario, to carry this Stove Pipe as a side line.

Edwin Chown & Son, Kingston, Ont.

SEED CORN

FIELD VARIETIES ONLY.

ALSO WHITE BEANS

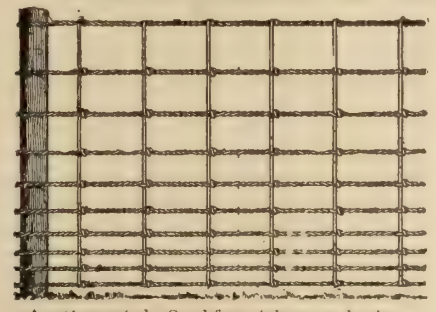
IN CARLOTS AND LESS.

Write FRED. B. STEVENS & CO., Chatham, Ont.

The Oshawa Wire Fence Co.

OSHAWA, ONT. Limited

Manufacturers of...
Woven Wire Fencing, Gates, Etc.
Also Dealers in Galvanized Fence Wire.



Agents wanted Send for catalogue and prices.

Buy the Best.



HERCULES

Sash Cord.

Star Brand Cotton Rope
Star Brand Cotton Clothes Lines
Star Brand Cotton Twine

For Sale by all Wholesale Dealers



THE OAKVILLE BASKET CO.,



Manufacturers of
1, 2, 3 Bushel
Grain
AND
Root
BASKETS

THE OAKVILLE BASKET CO.

FREE INSURANCE AGAINST FIRE



PLASBESTER

AGENTS WANTED IN EVERY TOWN.

the BEST ASBESTOS WALL PLASTER

Fire Proof
Frost "
Sound "
Will not crack.

CURIOUS INDUSTRIES THAT YIELD INCOMES.

(From Answers.)

TWO thousand eight hundred live frogs were recently sent by one steamer from Hull to Cleveland, Ohio. They were packed in grass, and most of them arrived at their destination safe and well. They were collected in the Fen district, where about a dozen families live for some months in the year by frogs. Although the large bullfrogs are not native to England, yet the smaller varieties are found to be perfectly eatable; and a number are also sold for fish-bait. They are shipped to France as well as to America; and a family of five persons

EMPLOYED IN FROG-COLLECTING

can add from 15 to 25s. a week to their income in this fashion.

Around Nottingham some 300 people live on worms. The soil is particularly suitable for these creatures, which are sent all over the country for fishing purposes. The yearly income from Nottingham worms is about £12,000. The work is not difficult, but entails very early rising during the summer months, in order to gather the worms when they come to the surface at early dawn. They must also be protected from hungry birds.

Norwich and its neighborhood sends 50,000 canaries away yearly to all parts of the world, and receives back from £10,000 to £11,000 in payment. Very few families depend entirely upon canary-breeding as a means of livelihood. The women look after the birds, while the men pursue other employments. But, as Sir S. Hoare said recently, when opening the All-England Cagebird Show at Norwich, "canaries pay the rent of some hundreds of small homes in and around the city."

Many acres in the West of England and the Midlands are devoted to ash-beds, planted for the growth of walking sticks. For this purpose the young plants are set not vertically,

AS THEY ARE IN

plantations for hop and pea sticks, but are laid horizontally. Many of these plantations belong to small farmers, or are leased by men employed in other work. The only work necessary is to keep the ground well hoed, and clean from weeds; and in four years the sticks are ready for cutting. An acre will then yield from £30 to £50 worth of sticks, which are cut, tied in faggots, and sent to a stick-factory. The rent of land suitable for stick-growing is about 30 shillings an acre; the outlay is small, as there is no need of enriching the soil; and the work is done by the lessee or his children. A large number of families add £10 to £120 a year to their incomes in this fashion

Ladies who have a taste for cooking are finding that sweet-making is a most profitable occupation for spare hours at home. Some are clever enough to work out recipes unaided; but, as a rule, a course of training at about £5 is necessary. The necessary implements will cost

A COUPLE OF POUNDS

and for cooking a gas or ordinary kitchen stove is sufficient. A thermometer, a marble slab, a copper saucepan, moulds and a caramel-cutter are all the implements needed. As a rule, home-working sweetmakers get up a private connection, and find no difficulty in getting eighteenpence a pound for their wares. Many make as much as a sovereign a week profit in this way.

Amateur photography is all very well if the amateur is a first-class worker, and sells his or her pictures to the illustrated papers. But an enterprising girl in Leeds has lately discovered photographic work which pays her far better. This is cleaning old photographs. Almost everyone has old and valued photographs yellowed by age. These, this young woman collects, and renovates. It is quicker and cleaner work than photography, pure and simple, and, according to her experience, pays far better. In one month recently her accounts show that she cleaned 187 photographs, and got £7 10s. for the work. Material cost only five shillings, so her profits were some 35 shillings a week.

Women, indeed, seem far more clever than men at finding new and paying industries at which they are able to employ themselves at home. There is a London lady who spends every morning of her life scanning the advertisement columns of the daily papers. Any of her friends who want a house, a servant, rooms in town, old oak furniture—anything, indeed, that can be chosen by a third person—have only to let her know,

AND SHE WILL EITHER

choose the article for them, or send them such advertisements as she may deem suitable. Of course, she charges a small commission; but, small as it is, it is a bad year that she clears less than £200.

Another lady, who also lives in London, makes a specialty of disposing of, by sale or exchange, duplicate wedding presents. She will also choose wedding presents for those who reside at a distance. This enterprising woman also makes a sufficient income in this manner.

Brass—the soft kind known as French metal—costs about 1s. 3d. a pound. Ladies with artistic tastes can get a few months' teaching in repousse work, and then, by the aid of a few punches and hammers, convert these plain sheets of metal into trays or platters, worth five to ten times the cost of the material. A Bournemouth lady has prospered so greatly at this brasswork that she has always more work on hand than she can do unaided, and has been forced to obtain help. She has, therefore, trained several others to assist her, and all find this a most

PAYING HOME INDUSTRY.

Copying medals or casts is found profitable by a family of Irish ladies ruined by the land agitation. The prime cost of the necessary materials for this work is very small, being simply oil, cardboard, sealing-wax, and fine plaster-of-paris. Paraffin, too, and some sulphur, may be found useful.

Many collectors, unable to afford rare originals, are yet glad to have copies for their collections; and the ladies in question have a large private connection who take their wares. One of the sisters also makes brackets of plaster, taking castings from real fruit and flowers. There are four sisters, and between them they make some £250 a year, all out of easy, pleasant homework.

A BIG IRON AND STEEL PLANT.

IN The Illustrated Buffalo Express of a date of some time ago, is a description of the huge steel plant being built by The Lackawanna Steel Co., at Buffalo, N.Y. These works, when finished, are expected to have a capacity of 1,250,000 tons of steel per year, about one-twentieth of the annual output of the world. The plant will cost about $40,000,000.

These works are located at the western end of the city and occupy a rectangular space one mile wide and three miles long, washed on its west and southwest sides by Lake Ontario.

At the northern end of the grounds is a row of brick buildings, a storehouse, 50 x 150 feet, a duplicate machinery building, 40 x 200 feet, a carpenter shop, 50 x 150 feet, and a locomotive boiler house, 34 x 75 feet. A second row is back of this, consisting of a roll shop, 40 x 550 feet, a pipe shop and tool house, 50 x 300 feet, a pattern shop, and a pattern-storage shop, each 50 x 125 feet, and power house No. 2, 34 x 100 feet. There is another row back of these two in which there is a forge shop, 70 x 250 feet, a machine shop, 85 x 200 feet, and a foundry shop, 90 x 550 feet. These buildings have been completed. There are others in course of erection.

Towards the lake, from these structures are blast furnaces Nos. 1 and 2, with a blowing engine house, 70 x 75 feet, and a boiler house, 68 x 100 feet. Their capacity will be 300 tons apiece. Back of these will be two other blast furnaces, having a capacity of 800 tons each; and also two others of a large capacity, which have not yet been commenced.

There will also be a large open-hearth plant for the open-hearth process of steel manufacture. A ship canal, about three-quarters of a mile long, 200 feet wide, and 20 to 25 feet deep, is being built into the grounds. There will be a coke plant with 940 retort ovens, the largest in the world.

WE have the nicest set of Hose samples ever shown to the Canadian trade. Don't fail to see them.

HOSE

GARDEN
STEAM
SUCTION
ETC.

Send for samples and quotations.

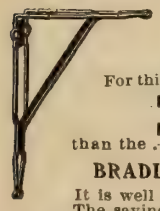
WE make Hose of all kinds for all purposes. Our equipment is the most modern and our goods are perfection.

MANUFACTURED BY

THE DURHAM RUBBER CO., LIMITED

Bowmanville, Ont.

Persons addressing advertisers will kindly mention having seen their advertisement in The Canadian Hardware and Metal Merchant.



Will Hold Up a Shelf!

That's what a shelf bracket is for.

For this purpose there can be

NOTHING BETTER

NOTHING CHEAPER

than the ....

BRADLEY STEEL SHELF BRACKET

It is well **Japanned, Strong** and **Light**. The saving in freight is a good profit, aside from the **lower price** at which the goods are sold.

☞ Order direct or through your jobber.

ATLAS MFG. CO., New Haven, Conn., U.S.A.



Up to date Grocers' Refrigerators,

Mineral Wool Filled, Eight Walls. Ask for prices from any dealer handling our household refrigerators, or write direct to us for descriptive catalogue and prices.

Ham & Nott Mfg. Co., Limited, Brantford, Ont.

Don't Wait for our traveller to call. Send in your trial order or write for particulars of Hollywood Paints.

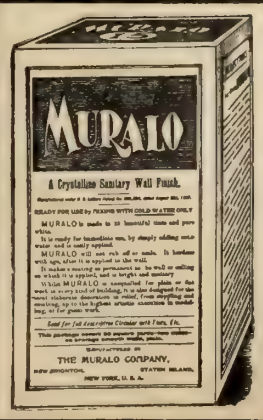
We have a proposition that will surprise you.

HOLLYWOOD

New York, Chicago,
Buffalo, Columbus, O.

PAINT CO., Limited

CANADIAN WORKS - HAMILTON, ONT.



MURALO

is a Cold Water Wall Finish, as far ahead of the old-fashioned wall finishes as paint is ahead of whitewash. **MURALO** is a distinctive preparation of its own. Don't conflict it with old wall finishes you have known before. **MURALO** has the largest sale in the world, because every painter, every amateur, who has tried it, knows it to be the best Cold Water Wall Finish. There's money in it for the dealer.

Agents:

A. RAMSAY & SON, - - - **MONTREAL**
J. H. ASHDOWN, - - - **WINNIPEG**
McLENNAN, McFEELY & CO., - **VANCOUVER**

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

AT a meeting of the creditors of Mrs. Z. Poulin, general merchant, Ste. Brigitte des Saults, Que., the estate was ordered to be sold.

E. Belanger, general merchant, St. Gervais, Que., has assigned.

Pierre Loupret, paint and oil merchant, Quebec, has compromised.

L. B. Fontaine, general merchant, St. Jacques, Que., has assigned.

F. W. Foster, general merchant, Ashcroft, B.C., is asking an extension.

John Lavalle, general merchant, St. Charles, Que., is offering to compromise.

J. B. Turner, general merchant, St. Barnabe, Que., is offering 25c. on the dollar.

C. Collette, general merchant, St. Antoine, Que., is offering 50c. on the dollar

T. E. Ryan, hardware merchant, Port Dover, Que., has assigned to H. W. Ansley.

O. Rajotte, general merchant, Shawenegan Falls, Que., has assigned to Chartrand & Turgeon.

Jesse Lehman, general merchant and dealer in pulp wood, Kagawong, Ont., has assigned to the sheriff.

J. B. Turner, general merchant, St. Barnabe, St. Maurice Co., Que., has assigned to Chartrand & Turgeon.

The Canada Can Co., Limited, Dundas, Ont., are in voluntary liquidation. R. T. Wilson is interim liquidator.

Magnan & Frere, hardware merchants, Montreal, are offering 30c. on the dollar. Their creditors held a meeting on March 31.

Wm. Adair & Co., general merchants, Parry Sound, Ont., have assigned to Geo. Chambers, and there will be a meeting of creditors on April 9.

E. F. Neville & Co., general merchants, Mill Village, N.S., are offering to compromise at 50c. on the dollar, and this offer has been secured.

PARTNERSHIPS FORMED AND DISSOLVED.

The Zozo Co., stove polish manufacturers, Montreal, have dissolved.

Shaw & Estey, sawmill proprietors, Hartland, N.B., have dissolved.

Anderson & Brooks, general merchants, Saltoun, N.W.T., have dissolved.

Choquette Freres, wood and coal merchants, Montreal, have dissolved.

J. Y. Bambridge & Co., hardware merchants, Souris, Man., have dissolved.

McDowell & Hodgins, agricultural implement agents, Shawville, Que., have dissolved.

Reid Bros., general merchants, Portage du Fort, Que., have dissolved, and G. E. Reid continues.

C. Watkins & Son, hardware merchants, Toronto, have dissolved; Stuart Watkins continues.

S. Adams & Sons, general merchants, Harrietsville, Ont., have dissolved; C. B. Adams continues.

H. S. Ferris, general merchant, Springhill, N.S., has admitted James E. Peel into partnership, the change taking effect on April 1.

J. D. Thompson & Co., general merchants, Buckingham, Que., have formed a new copartnership.

W. T. Andrews, wholesale paint merchant, Victoria, B.C., has admitted Allan D. Doods, and the style is now Andrews & Dodds.

Harold A. and Alexander Amos have registered as partners under the style of H. A. Amos & Co., carriagemakers, Oxford, N.S.

C. J. Moore, general merchant, Cumberland, B.C., has admitted Herbert Moore as partner, under the style of C. J. Moore & Co.

John Beaton, Chas. D. McKillop, Samuel Miller and Alex. McDonald have registered as partners under the style of Beaton & Co., general merchants, Mabou, Nova Scotia.

SALES MADE AND PENDING.

Mary C. E. Beebe, harnessmaker, Owen Sound, Ont., has sold out.

A. A. Campbell, Port Elgin, Ont., is advertising his sawmill for sale.

Edward Dearing, blacksmith, Marsville, Ont., is advertising his business for sale.

The stock of J. A. Brunet, general merchant, Moose Creek, Ont., has been sold.

The assets of Daniel Johnson, general merchant, Combermere, Ont., are to be sold.

A. Miller, general merchant, Edgar, Ont., is advertising his business for sale.

The stock of Alfred Goulet, general merchant, The Brook, Ont., has been sold.

The stock of Eugene Audet, general merchant, Ste. Anne du Sault, Que., are to be sold.

The assets of W. H. Fliff, bicycle merchant, Ottawa, were to be sold by tender on April 4.

Lilly & Carter, general merchants, Dauphin, Man., are advertising their stock for sale.

The assets of M. P. Plouffe, general merchant, Ladysmith and Shawville, Que., have been sold.

There will be a sheriff's sale on the land of (the estate of) Elias Will, lumber merchant, Windsor, Ont.

The stock of John Sykes, hardware merchant, Vancouver, B.C., is advertised to be sold by auction.

There was an assignee's sale of the assets of E. P. Forbes, machinist, Halifax, N.S., advertised for April 1.

The assets of Duncan McIntyre, general merchant and sawmill proprietor, Clarence, Ont., were to be sold by auction on April 3.

CHANGES.

R. B. Scott, general merchant, Cookstown, Ont., has sold out to Harry Fisher.

Foisy, Hilaire & Cie., grocers, St. Johns, Que., have registered.

J. Smith & Co., general merchants, Baldur, Man., are succeeded by Rollins & Sons.

Mary L. Robinson, general merchant, Wiarton, Ont., is succeeded by Robinson & McClure.

W. O. Steele, blacksmith, Ymir, B.C., has leased his business to Stanley & McDonald.

J. G. Reiner, general merchant, and manufacturer of woollens, etc., Wellesley, Ont., is succeeded by Reiner Bros. & Co.

Guay & Brosseau, contractors, Montreal, have registered.

Remillard & Cie., foundrymen, St. Tite, Que., have registered.

Chas. Gammel succeeds W. Creelman, blacksmith, Newton Mills, N.S.

J. Wiebe, Hague, Man., has sold his planing mill to Hamm & Klassey.

H. Sylvestre & Fils, hardware merchants, Montreal, have registered.

Murray & Shelford, blacksmiths, Indian Head, N.W.T., are out of business.

S. E. Paul, implement agent, Moosomin, Man., is succeeded by Paul & Moran.

Thomas Whaley & Son, lumber merchants, Guelph, Ont., are removing to Toronto.

S. Mullet & Co., hardware merchants, Seaforth, Ont., have sold out to Chesney & Smiley.

Norman L. McDonald, carriagemaker, etc., Sydney, N.S., has opened a branch at North Sydney.

Joseph C. Glenn, implement agent, Indian Head, N.W.T., has opened a branch at Milestone.

Morkill & Whiteworth, lumber merchants, Morris, Man., have sold out to The Morris Lumber Co.

H. M. Douglas has sold his interest in The Red Deer Lumber Co., Red Deer, N.W.T., to G. A. Love.

Brett & Taylor, hardware, tinware and furniture merchants, Orangeville, Ont., are succeeded by J. Darrough.

FIRES.

Wm. H. Burrows, general merchant, Sheppardton, Ont., has suffered loss by fire.

The steam mill of Harnish & Tupper, Bridgewater, N.S., has been burned; there was no insurance.

The premises of The Bear River Electric, Heat and Power Co., Limited, Bear River, N. S., have been damaged by water.

DEATHS.

G. V. White, wagonmaker, Trenton, Ont., is dead.

James C. Malone, of Poupore & Malone, contractors, Montreal, is dead.

A. Lounsbury, of G. A. Lounsbury & Co., agricultural implement agents, Newcastle, N.B., is dead.

TO BRING GERMAN STEEL.

A new concern called The Canadian Forwarding and Exporting Company has been organized in Montreal for the purpose of running a direct line of steamships between that city and Rotterdam. Four modern vessels, of an average of 4,500 tons each, will be employed, the first trips to be made early in May. The capacity of the boats is from 10,000 to 12,000 tons each, which is greater than that of most of the vessels coming to the port of Montreal.

It is understood that the chief business of the new line will be the bringing of steel from Germany, and the return cargoes are expected to be made up of Canadian produce, principally grain.

Their first cargoes of steel have been assured them by Mr. Gerald Lomer, a Montreal dealer in railroad supplies, etc., who has been spending some time in Europe, where he has placed enough orders to make up cargoes for the vessels.

BUSINESS FOR SALE.

HARDWARE BUSINESS, IN A GROWING town. Prosperous farming section. Good location and premises. Opening for plumbing in connection. Business established thirty years. Owner has other interests. Address, Box 74, HARDWARE AND METAL, Montreal or Toronto. (8-tf.)

Stove Bricks in Variety.

We don't have to make a kiln and then burn it before filling your order. Prompt shipment is one of our mottoes. We have over 200 varieties of bricks, and all kinds of fire clay products, furnace cement, etc., always in stock. Catalogue upon application.

JONES BROS., Bracondale, P.O., Ont.

Canadian Wringer Co.

Manufacturers of the following

CLOTHES WRINGERS

Queen,	Eureka,
Royal Canadian,	New Eureka,
New Metropolitan,	Stone,
New Lightning,	Jubilee Ball Bearing
	Etc., Etc.

All our Rolls are of Solid White Rubber and Vulcanized to Shaft. . . . Send for Catalogue and Discounts.

16 SHEPPARD STREET, TORONTO.

TOOLS

We make tools required by

Stone Workers, Cement Workers, Paving, Building, Sewer and Railroad Contractors.

Likewise Special Wrought Iron or Steel Work to drawings. Estimates promptly furnished for any quantity. You ought to know our advantages. Correspondence solicited.

W. H. ANDERSON & SONS,

Factory and Main Office— DETROIT, MICH.

Canadian Branch, with Eureka Planter Co., WINDSOR, ONT.

Wanted—An Agent

ON COMMISSION

TO REPRESENT

Cocker Brothers, Ltd., Fitzalan Works, Sheffield, Eng.,

Manufacturers of high-grade Tool Steel, Die Blocks, etc. Also Wire in Coils, and Drill Rods, Ramsbottom's Piston Rings and Spiral Springs.

Apply direct, giving previous experience.

Lace Leather

Send direct to us for the celebrated "NIAGARA" Brand Lace Leather, best produced in this country. Yellow and White in Sides or Cut Strings. Prices and Samples on application.

WOOD BROS.
Tanners of High-Class Leathers,
ST. CATHARINES, ONT.

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY MONTREAL.

THE NEVER-LOST SCYTHE WRENCH.

A simple device that every tiller of the soil will buy on sight was patented by me in 1900. I will sell the patent outright to someone who is prepared to manufacture and sell same. Circulars and full particulars sent to all who write. Desirable for mail-order houses—canvassers and hardware dealers generally. Terms reasonable and fair. Address, **H. O. KRUSCHKE,** inventor and patentee, Dexterville, Wis., U.S.A. (11)

GALVANIZING

Our plant is modern, and capacity large. Prices O.K. Other branches:

WINDMILLS, PUMPS, TANKS, FOUNDRY WORK, ETC., ETC.

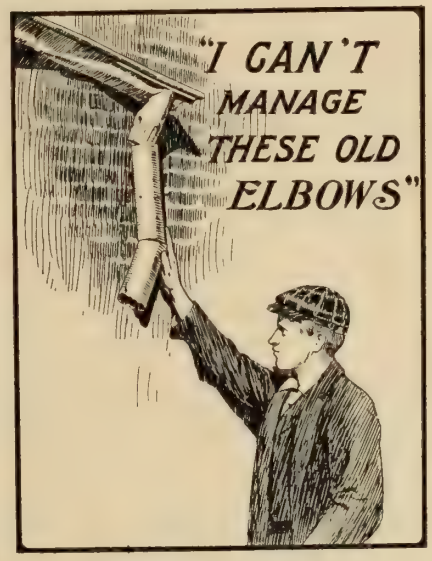
Ontario Wind Engine & Pump Co, Limited, 505 Atlantic Ave., Toronto.

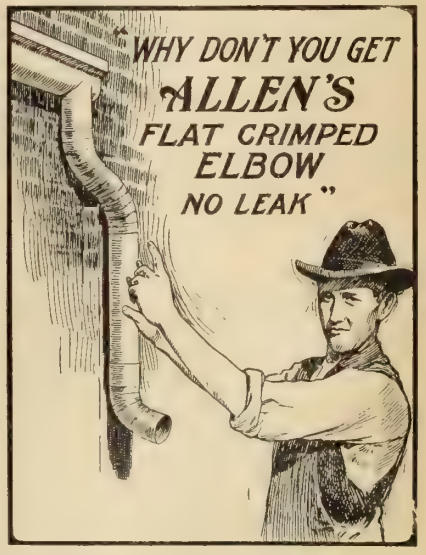
CARRIAGE BUYERS
should demand
DUNLOP TIRES



Nothing but good wear can come from Dunlop Tires, because nothing but good rubber goes into them. Dunlop Tires are made for Autos and Bicycles.

Dunlop Tire Co., Limited, Toronto.







2, 3, and 4-in. Tin and Galvanized Conductor Elbows, for sale by all leading jobbing houses.

Made by GEO. ALLEN,
BURLINGTON, ONT.

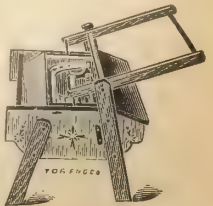


"DAISY" CHURN

Has tempered steel cased bicycle ball bearings, strongest, neatest and most convenient frame. Only two bolts to adjust in setting up. Steel Bow Levers, suitable for either a standing or sitting posture. Has four wheels and adjustable feet to hold stand steady while churning. When churn is locked to stand the bow can be used as handles to move it about on the front wheels as handy as a baby carriage. Open on both sides to centre, giving free space for pail. Made with wood or steel stands, with Cranks only, or Bow Levers as desired.

Vollmar Perfect Washer

Has a most enviable record. A perfection of its kind—will wash more clothes in less time, do it better and easier, with less wear and tear, than any other machine.



THE
Wortman & Ward Mfg. Co., Limited
LONDON, ONT.
Eastern Branch, 60 McGill Street, Montreal, Que.

SHOULD A BUSINESS MAN RETIRE AT SIXTY?

THE newspapers discuss many subjects that are of more or less public or individual interest. Recently, quite a number of comments have been observed upon the question, "When a man is 60 years old, should he withdraw from business?"

The opinions of different individuals upon this subject have been sought. Among these is Mr. Henry Clews, the oldest broker in Wall Street, and who is the only man remaining in the street who has done business under his own sign for 43 years.

Mr. Clews, in a signed interview, says: "I think a man ought to retain an active interest in his business as long as his vitality holds out, no matter how old he is or how much money he has accumulated. It is dangerous to have nothing but time on your hands. My business is in such shape that I need not come to the office once a week, but I am here every day anyway, and I haven't the slightest intention of retiring."

Mr. Clews is considerably over 60, and, in a reminiscent way, he refers to several well-known men who have passed the 60 mile post.

Andrew Carnegie is one of these. He made the greatest success of his life after he was 60 years old, Mr. Clews says, and, in fact, after that time, as in less than two years he cleaned up $150,000,000, though, of course, he had laid the foundation for what resulted during many years prior to the time of his last great deal.

J. P. Morgan is another man instanced who is making the greatest of his successes just now, and he is a man more than 60, and it does not seem likely that he has any thought of retiring.

Russell Sage is another veteran business man who comes to his office every day and attends personally to every detail in his business,

Mr. Clews refers to these men as examples, very likely because they belong to his own business set, but their careers illustrate that a man is only in his prime ordinarily when he has reached the age of 60. As for Mr. Clews, he says: "I come to my office every day and can attend personally, if I wish, to the orders of more than 4,700 customers that I have on my books."

That although over 60 years of age, Mr. Clewes attributes the fact that he possesses this degree of vigor to his habit of life in having never indulged in violent physical exercise. This kind of exercise, "athletic" is the popular term for it, he regards as extremely harmful, believing that it is more injurious than beneficial, as almost always it is attended with over exertion, resulting in harmful results which, if not before, are shown late in life. The only exercise this man says that he has ever been known to take is walking, and that with a gentle pace, and not for a great distance. The result is that he is perfectly well and has always been so.

There are two rather interesting and significant features in the views above expressed, remarks a contemporary. On one hand there is sufficient confirmation of the fact that a man is, or ought to be, at his best when he has arrived at 60 years of age. In the next place, the views entertained in regard to the violent physical exercises that are thought necessary to the training of the coming man and the college man of to-day, the views expressed in the highest degree possess practical common sense. If a man is to live out his days retaining the vigor of his faculties, it is certain that he cannot afford to burn the candle at both ends.

IT PAYS TO STOCK THE BEST.

In the selection of paint brushes, a dealer needs to be more careful than in almost any other article, because a poor brush is the most useless thing manufactured. It costs not only the price paid for it by the purchaser, but loss of material, loss of time and perhaps loss of a job; and it frequently costs the dealer the loss of a customer. The largest and most complete line of brushes, brooms and woodenware manufactured upon this continent is that of the United Factories. These goods illustrate the very best that money, skill and immense manufacturing facilities can produce—facilities that enable them to be placed upon the market at the same figure that second or third-rate foreign goods can be purchased at, and at a wider margin of profit to the dealer.

EARLY CLOSING IN HALIFAX.

Halifax Chronicle.

The nights named in the Bill for closing are Tuesday, Wednesday and Thursday, and in order to make the Act become effective in any branch of trade, a petition signed by two thirds of the people in that particular line must be presented to the city council. A meeting of the Retail Merchants' Association will be held on Wednesday evening to arrange for the petition. In the Bill presented to the House the number of nights were left open, as some of the merchants thought three nights would suit their lines of business better than four; and the nights adopted were suggested to the House by merchants. Those, however, who had previously signed an agreement to close four nights will stick to that agreement.

The clause exempting grocery stores assessed for less than $400 from closing may lead to some of the grocery stores being kept open, as larger stores find they would be placed at a great disadvantage. Many of them, however, will continue to close and some favor four nights instead sf three.

The Retail Clerks' Association at a meeting appointed representatives to confer with the merchants and give all the assistance they can to the early-closing movement.

"ANCHOR" STRAW HAT ENAMEL

For Making Old Straw Hats Look New.

Retails readily at 10c. per tin, and can be successfully used by anyone.



Send your orders in early, as we wish to have you supplied in time to meet the rush.

A handsome framed Show-Card furnished to all buyers.

HENDERSON & POTTS

Sole Manufacturers,

HALIFAX AND MONTREAL.



STOP——

We are

THE OLDEST AND LARGEST

Manufacturers of

Wire

and the products of wire in Canada. Years of experience have given us a most modern equipment. Our works cover a very large area. Our shipping facilities are unsurpassed. **DOMINION** goods are used from the Atlantic to the Pacific. In subsequent issues we will enumerate our full line of **DOMINION** Goods.

MANUFACTURED ONLY

BY

Dominion Wire Manufacturing Co.

MONTREAL and TORONTO.

Works at

DOMINION

Near Montreal.



Kitchen Range Boilers

"APOLLO" GALVANIZED

Made of "Apollo" Open-Hearth Steel. Severely tested at 200 lbs. before galvanizing (making tightness doubly sure), and are perfectly galvanized inside and out.

25, 30, 35, 40, 52-Gallon.

PRICES ON APPLICATION.

THE THOS. DAVIDSON MFG. CO., Limited, MONTREAL, P.Q.

ESTABLISHED 1860. INCORPORATED 1895.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

Montreal, April 1, 1902.

HARDWARE.

THE reductions in freight rates took place on the first day of the month, and with the new tariff business has become very active. Wholesalers have had orders on hand for a month or more back for shipment under the low rates, and now all the houses are exceedingly busy delivering the goods. A good deal of impatience is being shown by the retail trade, all wanting their goods immediately, and apparently overlooking the immense number of orders to be filled. There is also an increase in the number of orders now coming in for immediate delivery, and mail orders are unusually heavy. The volume of business is greater than at the same period a year ago. The market, for the most part, has been steady.

BARB WIRE. The market is very active this week, spring business having opened up most satisfactorily. The price continues firm, but no quotable change has been made. We quote per 100 lb. f.o.b. Montreal, $3.

GALVANIZED WIRE.—There is a much better movement in galvanized wire, and trade is on the increase. Quotations are: Nos. 6, 7 and 8 gauge, $3.45; No. 9, $2.80; No. 10, $3.55; No. 11, $3.65; No. 12, $2.95; No. 13, $3.05; No. 14, $4.05; No. 15, $4.55; No. 16, $4.80; No. 17, $5.20; No. 18, $5.45.

SMOOTH STEEL WIRE.—The market for all kinds of smooth steel wire is as yet not as active as it might be, but conditions are improving and a good demand is looked for shortly. We quote: Bright iron and annealed on a base of $2.60 per 100 lb., f.o.b. Montreal, Toronto, Halifax, London, Hamilton and St. John. Net extras, per 100 lb. are as follows: Coppered wire, 60c.; tinned wire, $2; oiling, 10c.; spring wire, $1.25; best steel wire, 75c.; bright soft drawn, 15c.; special hay-baling wire, 30c.

FINE WIRE.—The movement is still light. Discount, 22½ per cent.

BRASS AND COPPER WIRE.—The discount on both these wires remains at 60 per cent. Business is picking up.

FENCE STAPLES.—There is an active inquiry for both bright and galvanized fence staples, but no change has taken place in prices. We quote $2.90 per 100 lb. keg, for bright, and $3.25 for galvanized. 25 and 50-lb. packages, 25c. extra.

WIRE NAILS.—There is now a good demand for wire nails. A meeting was held in Montreal with a view toward fixing the price of nails. It was expected by some that an advance of 10c. per keg would be made. This was the wish of some manufacturers, at any rate, but as there were a number to be consulted nothing resulted of the meeting in the way of advanced prices. The demand is rather greater than the supply, and at the present high price of the raw material there is not much profit on nails. Our quotations are now as follows: $2.55 for small lots and $2.50 for carlots f.o.b. Montreal, London, Hamilton, Toronto, Gananoque, Brantford, Windsor, Ont., St. John and Halifax.

CUT NAILS.—There is a good business doing in cut nails. We quote $2.35 per keg, in small lots, and $2.27½ in carlots. Flour barrel and coopers' nails are discounted at 40 per cent.

HORSE NAILS.—Trade is brisk and wholesalers are making many shipments, besides receiving a good number of orders for immediate delivery. Our quotations are as follows: "C" brand at 50 and 7½ per cent. off and "M" brand at 60 per cent. off on oval and new city heads and 66 2-3 per cent. off for new countersunk heads.

HORSESHOES.—Business in horseshoes is also active, and prices remain unchanged. We quote as follows: Iron shoes, light and medium pattern, No. 2 and larger, $3.50; No. 1 and smaller, $3.75; snow shoes, No. 2 and larger, $3.75; No. 1 and smaller, $4; X L steel shoes, all sizes, 1 to 5, No. 2 and larger, $3.60;



The "Model" Refrigerator.

Equal to the highest grade but sold at a moderate price.

The "Model" is built of the best quality of thoroughly kiln-dried lumber and pannelled all round, which makes it extra strong, and prevents any possibility of warping.

Its beautiful golden oak finish gives it a much better appearance than many of the higher-priced refrigerators.

Has strong, perfectly fitting, and self-retaining casters—they never fall out.

The ice-rack and shelves are made of galvanized steel, are removable and easily cleaned.

Zinc lining in the "Model" keeps the Refrigerator dry, adds to its insulating qualities, and saves ice.

We also have the well-known **"Leonard" Cleanable Refrigerators.**

Place a sample of these lines in your showroom. They are good sellers.

The McClary Manufacturing Co.,

LONDON, TORONTO, MONTREAL, WINNIPEG, VANCOUVER, AND ST. JOHN, N.B.

"Everything for the Tinshop"

ENGLISH
GERMAN
BELGIAN
CANADIAN
AMERICAN
} PORTLAND CEMENTS.

FIRE
BUILDING
ENAMELLED
SILICA
MAGNESIA
} BRICKS.

DRAIN
CULVERT
} PIPES.

F. HYDE & CO.

31 WELLINGTON ST., MONTREAL

. . FULL STOCK . .

Salt Glazed Vitrified

SEWER PIPE

Double Strength Culvert Pipe a Specialty.

THE CANADIAN SEWER PIPE CO.

HAMILTON, ONT. TORONTO, ONT.
ST. JOHNS, QUE.

Deseronto Iron Co.

LIMITED

DESERONTO, ONT.

Manufacturers of

CHARCOAL PIG IRON

BRAND "DESERONTO."

Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is r quired; Strong, High Silicon Iron, for Foundry Purposes.

The Robin Hood Powder Company

If you want the best Trap or Game load in the world, buy "Robin Hood Smokeless," in "Robin Hood" Shells. It is quick, safe, and reliable. Try it for pattern and penetration from forty to seventy yards against any powder on the market. We make the powder, we make the shells, and we load them. Write for our booklet, "Powder Facts."

The Robin Hood Powder Company

SWANTON, VT.

No. 1 and smaller, $3.85; feather-weight, all sizes, $4.85; toe weight, steel shoes, all sizes, $5.95 f.o.b. Montreal; f.o.b. Hamilton, London and Guelph, 10c. extra.

SCREWS.—There is a good demand for screws this week and the jobbing houses are sending out a great many shipments. The discounts are as follows: Flat head bright, 87½ and 10 per cent. off list; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.

BOLTS.—There is nothing new to report in this line. The market remains quiet as the trade is pretty well supplied. We quote: Norway carriage bolts, 55 per cent.; common, 50 per cent.; full square carriage bolts, 55 per cent.; machine bolts, 50 and 5 per cent.; coach screws, 66 2-3 per cent,; sleigh shoe bolts, 65 and 5 per cent.; blank bolts, 50 and 5 per cent.; bolt ends, 50 and 5 per cent.; plough bolts, 50 and 5 per cent. To any retailer an extra discount of 10 per cent. is allowed. Tire bolts, 67½ per cent.; stove bolts, 67½ per cent. Nuts, square, 3½c. per lb. off list; hexagon nuts, 3¾c. per lb. off list. To all retailers an extra discount of ¼c. per lb. is allowed.

BUILDING PAPER.—Deliveries of building paper have now begun and this is one of the most active lines in the hardware trade. A number of large orders have been received this week for immediate shipment. Quotations follow: Tarred felt, $1.70 per 100 lb.; 2-ply, ready roofing, 85c. per roll; 3-ply, $1.10 per roll; carpet felt, $2.25 per 100 lb.; dry sheathing, 30c. per roll; tar sheathing, 40c. per roll; dry fibre, 50c. per roll; tarred fibre, 60c. per roll; O K and I X L, 65c. per roll; heavy straw sheathing, $30 per ton; slaters' felt, 60c. per roll.

CORDAGE.—Orders are arriving freely, and under the new freight rates business is picking up rapidly. There have been no changes in prices, and our quotations are as follows: Manila, 16c.; British manila, 14c.; sisal, 12½c.; lathyarn, 11c. Prices on binder twine are as follows: Blue ribbon, 650 feet to the pound, 14½c.; Redcat, 600 feet to the pound, 13½c.; Tiger, 550 feet to the pound, 12½c.; Standard, 500 feet to the pound, 11c.; sisal, 500 feet to the pound, 11c. Prices are subject to a rebate of ½c. in carload lots.

RIVETS AND BURRS.—The demand for rivets and burrs is active this week and prices are unchanged. Discounts are: Best iron rivets, section, carriage, and wagon box, black rivets, tinned do., coopers' rivets and tinned swedes rivets, 60 and 10 per cent.; swedes iron burrs are quoted at 55 per cent. off; copper rivets, 35 and 5 per cent. off, and coppered iron rivets and burrs, in 5-lb. carton boxes, are quoted at 60 and 10 per cent. off list.

SCREEN WIRE CLOTH.—There is an active inquiry, and quotations are unchanged at $1.25 per 100 square feet.

POULTRY NETTING.—Business is brisk and many spring orders are now being filled. The discount on Canadian or English is 60 per cent. off 2 x 2 mesh, 19 wire, and 55 per cent. off 2 x 2 mesh, heavier, Canadian list.

HARVEST TOOLS.—A number of large orders have been placed this week, and the market is in a good condition. The discount is 60 and 10 and 10 per cent.

FIREBRICKS.—Business is still quiet, but the opening of the St. Lawrence

THE BEST BRANDS

TINPLATES
"Allaways" Charcoal.
"Lydbrook," "Trym," "Grafton" Cokes.

TINNED SHEETS
"Wilden" Best Coke or Charcoal.

TERNE PLATES
"Dean," dull finish.

CANADA PLATES
"Dominion," polished.

Accept no Substitutes.

A. C. LESLIE & CO.

MONTREAL.



IRON AND BRASS

Pumps

Force, Lift and Cistern Hand and Power.

For all duties. We can supply your wants with —quality the best and prices right. Catalogues and full information for a request.

THE R. McDOUGALL CO., Limited,
Manufacturers, GALT, CANADA.

ADAM HOPE & CO.

Hamilton, Ont.

We offer for prompt shipment

Pig Tin,
L. & F. and STRAITS.
Ingot Copper, O.C.
Pig Lead.
Spelter.
Antimony.

NOVA SCOTIA STEEL & COAL CO., Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

OPEN HEARTH STEEL.



It's a good thing to remember always to sell

Elastilite Varnish

to a customer you are particularly anxious to please.

Nothing better at any price. No other so good at the same price.

Put up in tins only, from ½-pints to 1 gallon.

MANUFACTURED ONLY BY

The Imperial Varnish & Color Co. LIMITED

Toronto, Ont., Canada.

Canadian Agents for Buehne's "Red, White and Blue" Brand Steel Wool.

"Ark Brand" Paint

Sales Increase Eighty Per cent. This Year.

Which means when a dealer once handles "Ark Brand" he continues to do so.

Our time is spent in securing new customers.

Our Paint holds the old ones.

THE FRANCIS-FROST CO. Limited

TORONTO.

Canadian Distributing Agents for Grippin's Crack Filler.

route will have a beneficial effect in the near future. As yet, no quotable change has occurred, and Scotch sells for $19 to $23.50; English, $18.50 to $22.50 per 1,000.

CEMENT.—There is a moderate demand but dealers are waiting for cheaper shipping routes to open up, and for a few weeks there is not likely to be any improvement in the market. We quote: German cement, $2.30 to $2.40; English, $2.25 to $2.35; Belgian, $1.70 to $1.95 per bbl. ex-wharf, and American, $2.20 to $2.30 ex-cars.

METALS.

The metal market retains its firmness. There is a good demand for iron, and some difficulty has been experienced in obtaining bar iron. Galvanized iron is in particularly good demand. Billets are very scarce in the United States and here, and a great deal of German billets are being imported into the former country. The accident to the steamer Lake Superior, at St. John, caused a number of dealers in this market some uneasiness, as a good deal of her cargo was composed of metals and general hardware articles for this market and points west of here.

PIG IRON.—The market is still very firm, but prices have not advanced. Summerlee is quoted at $21 to $21.50, and Canadian at $18.50 to $19.

BAR IRON.—There is some scarcity of bar iron which has had the effect of stiffening prices, but this is likely to be only a temporary condition. We quote: Merchants' bar, small lots, $1.95; horseshoe iron, $2.15 to $2.20.

BLACK SHEETS.—Trade is quite active and the market retains its firmness. Our quotations are as follows: 28 gauge, $2.65; 26 gauge, $2.60; 20 to 24 gauge, $2.50, and 8 to 20 gauge, $2.50.

GALVANIZED IRON.—A very great improvement is reported in the demand for galvanized iron. The market now is active and prices steady. We quote: No. 28, Queen's Head, $4.40; Apollo, 10¾ oz., $4.40; Comet, $4.25, with 10c. extra for less than case lots.

INGOT COPPER.—The market is featureless and the price remains at 14c.

INGOT TIN.—A number of orders have been received, and there is a better feeling in the market. Straits sell for 29c.

PIG LEAD.—The price is $3.25, with not much doing.

LEAD PIPE.—Business has improved. Composition waste is worth 7½c., and ordinary, 7c. Discount, 35 per cent.

IRON PIPE.—There is this week a good movement, and prices are firm. We quote standard pipe, per 100 ft., screwed and coupled, in lengths under 19 feet, as follows: Black pipe, ⅛, $3; ¼, $2.40, ⅜, $2.65; ½, $3; ¾, $3.70; 1-in., $5.25; 1¼, $7.40; 1½, $8.90; 2-in., $12.40. Galvanized, ¼, $3.20; ⅜, $3.45; ½, $4; ¾, $5.05; 1-in., $7.25; 1¼, $10.10; 1½, $12.15; 2-in., $16.70. Extra heavy pipe, plain ends, are quoted, per 100 feet, as follows: Black, ½, $4.35; ¾, $5.30; 1-in., $7.60; 1¼, $10.60; 1½, $12.70; 2-in., $17.45. Galvanized, ½, $5.35; ¾, $6.70; 1-in., $9.60; 1¼, $13.30; 1½, $15.95; 2-in., $21.75. For threads and couplings 5 per cent. is added.

TINPLATES.—Trade is fair and prices unchanged. We quote: Cokes, $4.25 per box, and charcoal, $4.75 to $5.25 per box.

CANADA PLATE.—The inquiry for Canada plate is active, and as it is not easy to obtain supplies, the market is very firm. Our quotations are as follows: 52's, $2.65 to $2.70; 60's, $2.75 to $2.80; 75's, $2.80 to $2.85; full polished, $3.75, and galvanized, $4.25 to $4.35.

STEEL.—An active market continues. There is no quotable change, but prices are well maintained, and are, if anything, firmer. We quote: Sleighshoe, $2.10; tire, $2.15; bar, $2.05; spring, $2.85; reeled machinery, $3; toecalk, $2.60.

SHEET STEEL.—The demand is better, but trade is still on the quiet side. Our quotations are now as follows: Nos. 10 to 20, $2.50; 3-16, $2.50; ¼, 5-16 and ⅜, $2.40.

TOOL STEEL.—The market is in a more satisfactory condition, and trade is picking up. Diamond is worth 8c., and Jessop's, 13c.

TERNE PLATES.—A few orders have been received this week, but there is little doing. The price is $7.75 to $8.

COIL CHAIN.—The big demand for chain is over and trade has again become quiet. Notwithstanding this, there is a firmer feeling in the market and an advance in price is by no means unlikely. The advance of $3 per ton in the raw material a couple of weeks ago has created this stronger position of chain. Our quotations are as follows: No. 6, 12½c.; No. 5, 10½c.; No. 4, 10c.; No. 3, 9½c.; ¼-in., 7¼c. per lb.; 5-16, $4.80; 5-16 exact, $5.25; ⅜, $4.25; 7-16, $4.05; ½, $3.85; 9-16, $3.75; ⅝, $3.55;

¾, $3.50 ; ⅞, $3.45 ; 1-in., $3.45. In carload lots an allowance of 10c. is made

SHEET ZINC.—The market is without feature, and the price remains at $5.75 to $6.25.

ANTIMONY.—There is a light demand at 10c.

ZINC SPELTER.—Trade is still quiet. The price is 5c.

SOLDER.—The market for solder is active. This week a large number of orders were received. Bar solder is quoted at 18c., and wire solder at 20c.

PAINTS AND OILS.

The active state of the market continues. An overwhelming number of orders have been received for immediate shipment. The fine weather of last week had doubtless something to do with this lively state of things, but stocks must be exceedingly light throughout the country, to judge by the urgency with which the goods were required. It might here be mentioned that though a little interest may be saved by the policy of getting manufacturers to carry the stock until the very last moment, yet, it is doubtful if this practice cannot be carried too far. Hardware merchants who have waited until April before ordering on shipments are now in the position that it may be May before those orders can be reached, owing to the uncommonly large demand all over the Dominion.

The feature of the market this week is the further advance in turpentine, confirming our previous reports as to the great demand and scarcity of this article, conditions that will probably continue for a couple of months. White lead is also firm, and the trade has received quite an impetus with the opening of spring. There are no other special changes to note, and in view of the feeling of buoyancy which prevails everywhere it is not likely that any recession in quotations will take place for some time. We quote :

WHITE LEAD.—Best brands, Government standard, $5.87½; No. 1, $5.50 ; No. 2 $5.12½ ; No. 3, $4.75 ; No. 4, $4.37½ all f.o.b. Montreal.

DRY WHITE LEAD—$5.25 in casks ; kegs, $5.50.

DRY WHITE ZINC — Pure dry, 6¼c. ; No. 1, 5¾c. ; in oil, pure, 7¼c. ; No. 1, 6¼c. ; No. 2, 5¾c.

PUTTY — We quote : Bulk, in bbls., $1.90 per 100 lb. ; bulk, in less quantity, $2.05 ; bladders, in bbls., $2.25 ; bladders, in 100 or 200 lb. kegs or boxes, $2.40 ; in tins, $2.55 to $2.65 ; in less than 100-lb. lots, $3 f.o.b. Montreal, Ottawa, Toronto, Hamilton, London and Guelph. Maritime Provinces, 10c. higher, f.o.b. St. John and Halifax.

ORANGE MINERAL—Casks, 7c. ; 100 lb. kegs, 7¼c. ; smaller quantities, 8¼c.

RED LEAD — Genuine red lead in casks, $4.50 ; in 100-lb. kegs, $4.75 ; less quantities, $5.75 per 100 lb. No. 1 red lead, casks, $4.25 ; kegs, $4.50. and smaller quantities, $5.50.

LITHARGE—Ground, casks, 5c. ; less, 5½c. ; flake litharge, casks, $5.25 ; smalls, $5.75 per 100 lb.

LINSEED OIL.—Raw, 80c.; boiled, 83c. In 5 to 9 bbls., 1c. less ; 10 to 20 bbl. lots open, net cash, plus 2c. for four months. Delivered anywhere in Ontario between Montreal and Oshawa at 2c. per gal. advance and freight allowed.

TURPENTINE.—Single bbls., 78c. ; 2 to 4 bbls., 77c.; 5 bbls. and over, open terms.

SHELLAC VARNISH — Pure white, $2.35 to $2.45 ; orange, $2.25 to $2.35.

MIXED PAINTS—$1.20 to $1.45 per gal.

CASTOR OIL—8¾ to 9¼c. in wholesale lots, and ½c. additional for small lots.

SEAL OIL.—47½ to 49c.

COD OIL—32½ to 35c.

PARIS GREEN — Petroleum barrels, 16¾c. per lb.; arsenic kegs, 17c.; 50 and 100-lb. drums, 17½c.; 25-lb. drums, 18c. ; 1-lb. packages, 18½c.; ½-lb. packages, 20½c.; 1-lb. tins, 19½c.; ½-lb. tins, 21½c. f.o.b. Montreal. Terms : 3 per cent. 30 days, or four months from date of delivery.

SCRAP METALS.

There are no quotable changes to report this week. The market has been fairly steady, but has shown little or no improvement. The scarcity of iron and consequent feeling of firmness still continues. Our quotations are now as follows: Heavy copper and wire, 11c. per lb.; light copper, 8c.; heavy red brass, 11c.; heavy yellow, 9c.; light brass, 5c.; lead, 2⅞ to 2⅝c.; zinc, 2¼c.; iron, No. 1, wrought, $18 ; No. 2, $8 per ton ; machinery scrap, $15 ; stove plate, $10 to $11 ; malleable and steel, $5 ; mixed country rags, 60 to 70c. per 100 lb.; old rubbers, 6c. per lb.

GLASS.

The glass market is unchanged, and as the trade have been nearly all supplied, but few orders are being received and little business done. We quote as follows : First break, 50 ft., $2.10 ; second, $2.20 for 50 ft.; first break, 100 ft., $4 ; second break, $4.20 ; third break, $4.70 ; fourth break, $4.95.

HIDES.

There is little inquiry for hides and the market remains quiet at unchanged quotations. There is some improvement in the number of offerings, but receipts are still light. We quote : No. 1 hides, 7c.; No. 2, 6c.; No. 3, 5c.; No. 1 calfskins, 10c.; sheepskins, 65c.

MONTREAL NOTES.

Turpentine has advanced 3c., now being worth 78c. in single barrels.

ONTARIO MARKETS.

Toronto, April 4, 1902.

HARDWARE.

THE first week in April has witnessed quite an increase in the shipments of wholesale hardware. Of course, these shipments are goods that were ordered for shipment in April, but the shipments appear to be larger than usual, and already a shortage is being experienced in a number of lines. A good many country merchants who ordered goods for May shipment are asking for immediate shipment. Business during March appears to have been an immensely heavy one in the wholesale hardware trade of Toronto. The manufacturers are holding their quarterly meetings in Montreal this week, but so far no changes have been made in the prices of any goods they control. There have only been a few changes in the other lines. Scale beams, for instance, are higher, while nickle-plated copper kettles are lower.

BARB WIRE.—Orders that were booked for April shipment are now being delivered, and they are going forward in good quantities. Not many new orders are being received this week. We quote : F.o.b. Cleveland, $2.77½ for less than carlots, and $2.65 for carlots. From stock Toronto, $3.

GALVANIZED WIRE.—Some good shipments are being made of goods ordered for April shipment. Our quotations are as follows : Nos. 6, 7 and 8, $3.50 to $3.85 per 100 lb., according to quantity ; No. 9, $2.85 to $3.15 ; No. 10, $3.60 to $3.95 ; No. 11, $3.70 to $4.10 ; No. 12, $3 to $3.30 ; No. 13, $3.10 to $3.40 ; No. 14, $4.10 to $4.50 ; No. 15, $4.60 to $5.50 ; No. 16, $4.85 to $5.35. Nos. 6 to 9 base f.o.b. Cleveland are quoted at $2.52½ in less than carlots and 12c. less for carlots of 15 tons.

SMOOTH STEEL WIRE.—Some shipments of oiled and annealed wire are being made this week. Base price, $2.60 per 100 lb. Oiling, 10c.; coppering, 60c.;and tinning, $2 per 100 lb. extra. Delivery points Toronto, Hamilton, London and Montreal, with freights equalized on those points.

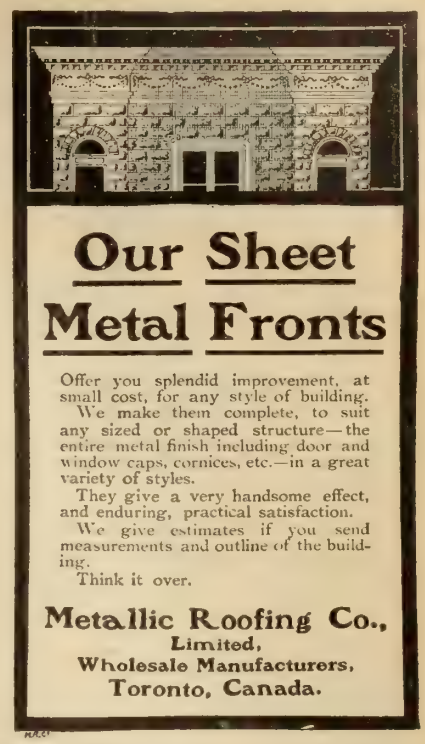
FINE STEEL WIRE.—Business is moderate. Discount is 22½ per cent.

WIRE NAILS.—The manufacturers met in Montreal early in the week, but decided to make no change in prices. It was expected, however, that they would have advanced prices slightly. The nail makers of the United States held a meeting last week and also decided to make no change, although it was considered that the increased cost of raw material warranted them advancing their figures. We quote: $2.55 for less than carlots and $2.50 for carlots. Delivery points, Toronto, Hamilton, London, Gananoque and Montreal.

CUT NAILS.—Dull and unchanged. The base price is $2.35 per keg, with 7½c. allowance on carlots.

HORSE NAILS.—Business is just moderate. Discounts are as follows : "C" brand, oval head, 50 and 7½ per cent., and on "M" and other brands, 50, 10 and 5 per cent. Countersunk head 60 per cent.

HORSESHOES.—The movement is only light. We quote f.o.b. Toronto as follows :



Iron shoes, No. 2 and larger, light, medium and heavy, $3.60; snow shoes, $3.85; light steel shoes, $3.70; featherweight (all sizes), $4.95; iron shoes, No. 1 and smaller, light, medium and heavy (all sizes), $3.85; snow shoes, $4; light steel shoes, $3.95; featherweight (all sizes), $4.95.

SCREWS.—Trade is still good. The discounts are: Flat head bright, 87½ and 10 per cent.; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.; round head bronze, 65 per cent., and flat head bronze 70 per cent.

RIVETS AND BURRS.—Trade is fair. We quote as follows: Iron rivets, 60 and 10 per cent.; iron burrs, 55 per cent.; copper rivets, with usual proportion of burrs, 45 and 10 per cent.; copper burrs alone, 30 and 10 per cent.

BOLTS AND NUTS.—Business continues active. We quote as follows: Carriage bolts, common ($1 list), 50 per cent.; carriage bolts, full square ($2.40 list), 55 per cent.; carriage bolts, Norway iron ($3 list), 55 per cent.; machine bolts, all sizes, 50 and 5 per cent.; coach screws, cone points, 66 2-3 per cent.

ROPE.—There is a fair demand for rope and quite a number of shipments are being made this week. Prices are steady and unchanged. We quote as follows: Pure manila, 16c.; British manila, 14c.; sisal, 12½c.; lathyarn, 11c.; sisal bed cord, 3 cord, 48 ft., 65c.; 60 ft., 80c.; 72 ft., 95c. per doz.

BINDER TWINE.—Prices are steady and the demand is fair. Quotations are as follows: "Blue Ribbon," 650 ft., 14½c.; "Red Cap," 600 ft., 13½c.; "Tiger," 580 ft., 12½c.; sisal, 500 ft., 11 cents.

BARN DOOR HINGES.—Trade is fairly good. We quote as follows: 6 to 10-in. at $4.50, and 12-inch and up, $3.50. Business is fairly good.

MILK CAN TRIMMINGS.—There are still some shipments going out, but not many new orders are coming in. The discount is 25 per cent.

EAVETROUGH, ETC.—The demand for eavetrough and for conductor pipe is active this week and some good shipments are being made. Eavetrough is quoted at $3.10 per 100 feet for 10-in., and conductor pipe at $4 for 3-in., and $5.25 for 4-in.

ENAMELLED WARE AND TINWARE.—Some good shipments are being made in both lines.

GAS AND OIL STOVES.—There is a decided activity to be noted this week in oil stoves, and in gas stoves there is a fair trade being done. The discount on blue-flame oil stoves is 15 per cent.

REFRIGERATORS AND FREEZERS.—Business is opening up a good deal earlier than last year, and during the week the demand for both refrigerators and ice-cream freezers has been active.

SCREEN DOORS AND WINDOWS.—But very few shipments are now being made. Common doors, 2 or 3 panel, are quoted f.o.b. factory points: Walnut, stained, 3-in. style, $6.80 per dozen; stained, yellow, $7; natural color, oil finish, $8.15; 4-in. style, 20c. extra per dozen. Windows: No. 0, $1.60; No. 1, $1.70; No. 2, $1.95; No. 3, $2.10; No. 4, $2.50 per dozen.

SPADES AND SHOVELS.—There is a good movement this week in spades and shovels. The discount is 40 and 5 per cent.

HARVEST TOOLS.—Large quantities of these are going out, and in some lines there is already a scarcity. The discount is 60, 10 and 10 per cent.

BUILDING PAPER.—Large quantities of building paper are being shipped this week. Quotations are as follows: Dry sheathing, grey or straw, 30c. per roll; tar sheathing, grey or straw, 40c. per roll; dry fibre, 50c. per roll; tarred fibre, 60c per roll.

LAWN MOWERS.—There are a few of these going out. The discount on high-wheel mowers, 50 per cent.; "Star" mowers, 9-in. wheels, $2.50 to $3; "Daisy" mowers, 17-in. wheels, $2.25 to $2.50.

POULTRY NETTING.—Shipments of poultry netting during the week have been large and some difficulty is already being experienced in supplying all assortments wanted. We quote: 2-in. mesh, 19 w.g., discount, 60 per cent.; 2-in. mesh, 18 w.g. and heavier, 50 and 10 per cent.

GREEN WIRE CLOTH.—The demand is brisk and some good orders are going out. We quote $1.25 per 100 square feet.

SCALE BEAMS.—The manufacturers have advanced prices, and the discount, which was formerly 45 per cent., has been reduced to 35 per cent.

COPPER KETTLES.—The price on nickle-plated copper kettles has been reduced about 20 per cent. in order to meet United States competition. The discount is now 50, 10 and 10 per cent.

CEMENT.—Trade is recovering. The market, however, is weak, owing to competition with the United States article, and among Canadian manufacturers. We quote: Canadian Portland, $1.90 to $2.75; Canadian hydraulic, $1.25 to $1.50; German cement, $3; English, $3 to $3.15; Belgian, $2.50 to $2.75 per bbl., and American, $2.20 to $2.30 ex-cars.

METALS.

The position of the metal market is strong and there is a good demand for most lines.

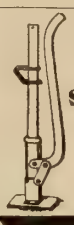
PIG IRON—Most of the buyers appear to have placed orders for their requirements for this year. And, while the demand both here and across the border is now quiet, there is still a scarcity of iron, and prices are steady. The idea as to price for Canadian iron is still about $19.50 on track Toronto.

BAR IRON — The demand is fair and prices firm and unchanged. We quote price at $1.95 to $2.05. Extras cut to length while rolling: 2 ft. and over, 10c. per 100 lb.; 1 ft. and under 2 ft., 15c.; under 1 ft., 20c.; over 20 ft. by special agreement, according to length and size.

STEEL—There does not yet appear to be any relief to the situation, the demand still exceeding the supply in most lines of steel. We quote as follows: Merchantable cast steel, 9 to 15c. per lb.; drill steel, 8 to 10c. per lb.; "B C" and "Black Diamond" tool steel, 10 to 11c.; Jessop's, Morton's and Firth's tool steel, 14c.; toe-calk steel, $2.85 to $3; tire steel, $2.30 to $2.50; sleighshoe steel, $2.10 to $2.25; reeled machinery steel, $3, hoop steel, $2.90.

BLACK SHEETS—The demand is good and stocks light. We quote: Common, $3.15 for 28 gauge; and dead flat, $2.50 for 26 gauge.

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.
'WELLINGTON' KNIFE POLISH
JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
Wellington Mills, London, England.
Agent:
JOHN FORMAN, 644 Craig Street
MONTREAL


COVERT MFG. CO.
West Troy, N.Y.
Steel Carriage and Wagon Jacks,
Harness Snaps, Chain, Rope and Web Goods, etc.
FOR SALE BY JOBBERS AT MFRS. PRICES.

PRIEST'S CLIPPERS
BALL BEARINGS

Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., U.S.A.

NEWMAN'S PATENT
INVINCIBLE FLOOR SPRINGS
Combine all the qualities desirable in a Door Closer. They work silently and effectually, and never get out of order. In use in many of the public buildings throughout Great Britain and the Colonies.
MADE SOLELY BY
W. NEWMAN & SONS, Birmingham.

Oneida Community Goods
HALTERS, COW TIES SNAPS, etc., etc.,
in all sizes and styles. May be had of all jobbers throughout Canada.
Factory—NIAGARA FALLS, ONT.

GARDEN AND ALL OTHER STYLES OF
WHEELBARROWS, WASHING MACHINES,
ROUND AND SQUARE, ROTARY AND REACTING.
Warehouse Trucks, Bag Trucks, Barrel Trucks, etc., etc.
WRITE FOR PRICES.
CLELAND BROS & CO.,
MEAFORD, ONT. (12)

CANADA PLATES—Orders are only for small quantities. We quote: All dull, $3; half polished, $3 10; all bright, $3.75.

GALVANIZED SHEETS — The demand is active and prices are firm in both the British and United States markets. We still quote case lots at $4.50, and less quantities at $4.65.

TIN—There is a fair demand for small lots. The European markets are decidedly strong, and on Wednesday last both spot and futures closed £1 10s. higher in London, as a result of confident buying on the part of the bulls. Locally, prices are unchanged at $29 to $30 per 100 lb.

TINPLATES—While the demand is good, it is perhaps not as brisk as it was. Stocks are light. There are shipments of tinplates on the Lake Superior, now ashore near St. John, N.B., for importers here. We still quote IC at $4 25.

TINNED SHEETS — The demand is improving, but the movement is not yet large. We quote: 72 x 30, up to 24 gauge, 7½c.; ditto, up to 26 gauge, 8c.

TERNE PLATES—Very little doing. We quote I C, 20 x 28, at $8 50.

COPPER — Business is good in ingot copper, and there is some improvement in the demand for sheet copper. We quote ingot at $15 per 100 lb., and sheet $22 to $23.

BRASS—Trade is quiet. Discount 15 per cent.

PIG LEAD—There is some improvement and business is now fair. We quote: Pig lead at $3.50 to $3.75, and bar lead at $5.

IRON PIPE — There are no particular features to note, the demand being moderate. We quote per 100 ft.: ⅛ in., $3; ¼ in., $2.50; ⅜ in., $2.75; ½ in., $3; ¾ in., $3 70; 1 in., $5.25; 1¼ in., $7.40; 1½ in., $8 90; 2 in., $12.40; galvanized, 1 in., $7.25. Trade discount 4 per cent.

ZINC SPELTER—Trade is quiet. The outside markets are strong. We quote $5.50 to $6 per 100 lb.

ZINC SHEET—A fair business is being done. We quote $6 to $6.25 in casks and $6.25 to $6 50 in part casks.

SOLDER — The demand is good. We quote: Half-and-half, guaranteed, 19c.; do. commercial, 18½c.; refined, 18c.; wiping, 17½c.

ANTIMONY—Shipments are small. We quote 10c. per lb. for Cookson's.

PAINTS AND OILS.

Holders of turpentine were surprised by a sudden drop in that article in Savannah, Florida, early in the week, but up to the time of going to press the prices are not changed here. Benzine has advanced ½c. and is more active. Paint houses are busy on their orders that were booked for shipment on the first of the month, and also on a number of orders just received requiring immediate attention. Dry colors and zinc whites are moving freely. White leads and mixed paints are still in good demand. The paris green market is weak, and sales are slow. Both liquid and gum shellacs are high, and the demand for them is quiet. Red lead is quiet, and the market is weaker. The prices of orange mineral have widened. Castor oil is weaker, but the demand is improving. Recent advices from Great Britain state that raw and boiled linseed oils there are firm. The strike of the painters has made the local trade quiet. We quote:

WHITE LEAD—Ex Toronto, pure white lead, $5.87½; No. 1, $5.50; No. 2. $5.12½; No. 3, $4.75; No. 4, $4.37½ in pkgs. of 25 lb. and upwards; ½c. per lb. extra will be charged for 12½-lb. pkgs.; genuine dry white lead in casks, $5.12½.

RED LEAD—Genuine, in casks of 560 lb. $5 to $5.12½; ditto, in kegs of 100 lb., $5.50; No. 1, in casks of 560 lb., $4; ditto, kegs of 100 lb., $4.50.

LITHARGE—Genuine, 6 to 6½c.

ORANGE MINERAL—Genuine, 7½ to 8c.

WHITE ZINC—Genuine, French V.M., in casks, $6 to $6.25; Lehigh, in casks, $6.

BENZINE—In barrel lots, 17c. per gal.; less quantities, 25c. per gal.

PARIS WHITE—90c. to $1 per 100 lb.

WHITING — 65c. per 100 lb.; Gilders whiting, 80c.

GUM SHELLAC — In cases, 35c.; in less han cases, 40c. per lb.

LIQUID SHELLAC—Pure orange, in bbls., $2.25 to $2.35; white, $2.35 to $2.45 per gal.; in less quantities, 10c. extra.

PUTTY—Bladders, in bbls., $2.25; bladders, in 100 lb. kegs, $2.40; bulk in bbls., $1.90; bulk, less than bbls. and up to 100 lb., $2.05; bladders, bulk or tins, less than 100 lb., $2.90.

PLASTER PARIS—New Brunswick, $1.90 per bbl.

PUMICE STONE — Powdered, $2.50 per cwt. in bbls., and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in bbls.

LIQUID PAINTS—Pure, $1.20 to $1.40 per gal.; No. 1, $1.10 per gal.

CASTOR OIL — English, in cases, 9½ to 10c. per lb. and 10 to 10½c. for single tins.

LINSEED OIL—Raw, 1 to 4 barrels, 82c.; boiled, 85c.; 5 to 9 barrels, raw, 81c.; boiled, 84c., delivered. To Toronto, Hamilton and London, 2c. less.

TURPENTINE—Single barrels, 76c.; 2 to 4 barrels, 75c., delivered. Toronto, Hamilton and London 1c. less. For less quantities than barrels, 5c. per gallon extra will be added, and for 5-gallon packages, 50c., and 10-gallon packages, 80c. will be charged.

GLASS.

The demand for local consumption is brisk. Owing to an advance in Europe the prices here will be firm all summer, it is expected. We quote as follows: Under 26 in., $4.25; 26 to 40 in., $4.65; 41 to 50 in., $5.10; 51 to 60 in., $5 35; 61 to 70 in., $5.75; 71 to 80, $6.25; 81 to 85, $7; 86 to 90, $7.75; Toronto, Hamilton and London. Terms, 4 months, or 3 per cent. 30 days. Discount off pane price list, 33⅓ per cent.

MARKET NOTES.

Scrap rubber is down ½c. per lb.

Nickle-plated copper kettles are lower.

Benzine has advanced ½c. per gallon.

Beam scales are higher, the discount being 35 per cent.

Recent advices from Europe report a considerable advance in the glass market there.

THE FARRIER'S FRIEND

Horse Rasps

K. & F. and Arcade Brand



The above Rasps are standard, and are in demand by all expert horseshoers as being the most reliable.

(Sharp and Tough Teeth.)

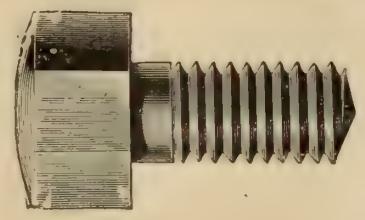
Admirably Adapted for both Hoof and Shoe.

We warrant the above brands to be made of first quality material, and the workmanship is the result of forty years' experience.

For sale by all prominent dealers in Hardware and Blacksmiths' Supplies throughout Canada.

Manufactured by NICHOLSON FILE CO., Port Hope, Ont.

WALTER GROSE, MONTREAL, Sole Selling Agent.



THE JOHN MORROW MACHINE SCREW COMPANY, Limited

Manufacturers of

Set and Cap Screws, Special Milled Work, Engine Studs, Etc. Cold Punched Nuts of every variety of finish.

INGERSOLL, ONT.

MANITOBA MARKETS.

Winnipeg, April 1, 1902.

HARDWARE.

THE business of the week has been good, despite bad weather and bad roads throughout the country, and the only complaint offered by the trade is the difficulty in getting goods from the factories fast enough for their requirements.

The trade in paints, oils and glass is active and satisfactory. Glass is holding firm at the same prices as have been quoted for the past few weeks.

Binder twine is selling well, and there seems to be some apprehension that the supply is likely to be below requirements. This seems a long looking-ahead, but dealers evidently have in mind the trouble of last year, when the harvest came in two weeks before the usual time and twine was called for all over the country almost simultaneously, and it was impossible to fill orders except by express.

There is a very good demand for hand drills and similar garden tools—more so than for some years past.

The price list is as follows :

Barbed wire, 100 lb	$3 30
Plain twist	3 40
Staples	3 95
Oiled annealed wire 10	3 85
" 11	3 90
" 12	3 95
" 13	4 10
" 14	4 25
" 15	4 35
Galvanized wire, 6 to 8 gauge	4 00
" 9 "	3 50
" 10 "	4 05
" 11 "	4 20
" 12 "	3 65
" 13 "	3 75
" 14 "	4 45
" 15 "	4 60
" 16 "	4 75
Wire nails, 30 to 60 dy, keg	3 25
" 16 and 20	3 35
" 10	3 35
" 8	3 45
" 6	3 50
" 4	3 65
" 3	3 90
Coil chain, 3-16 inch	10½
" ¼ inch	8¾
" 5-16 inch	5½
" ⅜ inch	5¼
" 7-16 inch	5
" ½ to ¾ inch	4¾
Cut nails, 30 to 60 dy	3 05
" 20 to 40	3 10
" 10 to 16	3 15
" 8	3 20
" 6	3 25
" 4	3 35
" 3	3 70
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to No 1	4 65
No. 2 and larger	4 40
Snow shoes, No. 0 to No. 1	4 90
No. 2 and larger	4 40
Steel, No. 0 to No. 1	4 95
No. 2 and larger	4 70
Bar iron, $2.70 basis.	
Swedish iron, $5.00 basis.	
Sleigh shoe steel	3 25
Spring steel	3 25
Machinery steel	3 75
Tool steel, Black Diamond, 100 lb	8 50
Jessop	13 00
Sheet iron, black, 10 to 20 gauge, 100 lb.	3 50
20 to 26 gauge	3 75
28 gauge	4 00
Galvanized American, 16 gauge	2 79
18 to 22 gauge	4 75
24 gauge	5 00
26 gauge	5 25
28 gauge	5 50
Genuine Russian, lb	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 75
26 gauge	8 00
28 gauge	8 50
Tinplate, IC charcoal, 20 x 28, box	11 00
" IX "	13 00
" IXX "	15 00
Ingot tin	33
Canada plate, 18 x 21 and 18 x 24	3 75
Sheet zinc, cask lots, 100 lb	7 00
Broken lots	7 50
Pig lead, 100 lb	6 00
Wrought pipe, black up to 2 inch	50 an 10 p.c.
" Over 2 inch	50 p.c.
Rope, sisal, 7-16 and larger	$13 50
" ⅜	14 00
" ¼ and 5-16	14 25
Manila, 7-16 and larger	17 00
" ⅜	17 50
" ¼ and 5-16	18 00
Solder	18
Cotton Rope, all sizes, lb	17
Axes, chopping	$ 7 50 to 12 00
" double bitts	12 00 to 18 00
Screws, flat head, iron, bright	87½
Round " "	82½
Flat " brass	80
Round " "	75
Coach	57½ p.c.
Bolts, carriage	50 p.c.
Machine	50 p.c.
Tire	60 p.c.
Sleigh shoe	65 p.c.
Plough	40 p.c.
Rivets, iron	50 p.c.
Copper, No. 8	26
" No. 12	30
Bluestone, cask lots	$5 50
Spades and shovels	40 p.c.
Harvest tools	60, 10 and 10 p.c.
Axe handles, turned, s. g. hickory, doz.	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 75
No. 1	1 25
Files common	70, and 10 p.c.
Diamond	60
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	30 p.c.
" military	15 p.c.
American R.F.	30 p.c.
C.F. pistol	5 p.c.
C.F. military	10 p.c. advance.
Loaded shells :	
Eley's soft, 12 gauge black	16 50
chilled, 12 gauge	18 00
soft, 10 gauge	21 00
chilled, 10 gauge	23 00
Shot, Ordinary, per 100 lb	6 25
Chilled	6 75
Powder, F.F., keg	4 75
F.F.G.	5 00
Tinware, pressed, retinned	75 and 2½ p.c.
" " plain	70 and 15 p.c.
Graniteware, according to quality	50 p.c.

PETROLEUM.

Water white American	25½ c.
Prime white American	24c.
Water white Canadian	22c.
Prime white Canadian	21c.

BINDER TWINE.

Sisal and Standard f.o.b. Winnipeg	$ 11⅝
Manila, 550 feet	12⅞
Manila, 600 feet	14⅛
Pure Manila	15⅝

Five-ton lots ⅛c. less per lb., and car-lots ¼c. less.

SCRAP.

No. 1 cast iron	$13 to $14 per ton
No. 2 "	5 to 6 "
Wrought iron scrap	5 "
Copper (heavy)	7c. per lb.
Yellow brass (heavy)	8c. "
Light brass	5c. to 6c. "
Lead pipe, or tea lead	2c. to 2½c. "
Zinc scrap	1c. "

PAINTS, OILS AND GLASS.

Turpentine, pure, in barrels	$ 73
Less than barrel lots	70
Linseed oil, raw	88
Boiled	91
Lubricating oils, Eldorado castor	29
Eldorado engine	28½
Atlantic red	29½
Renown engine	41½
Black oil	20
Cylinder oil (according to grade)	55 to 74
Harness oil	65
Neatsfoot oil	90
Steam refined oil	85
Sperm oil	2 00
Pure castor oil, East India	⅓
Lubricating	10
Glass, single glass, first break, 16 to 25 united inches	2 50
26 to 40 per 50 ft.	2 75
41 to 50 " 100 ft.	6 00
51 to 60 " " "	6 50
61 to 70 per 100-ft. boxes	7 00
Putty, in bladders, barrel lots per lb.	2½
kegs "	2¾
White lead, pure per cwt.	6 50
No. 1 "	6 00
Prepared paints, pure liquid colors, according to shade and color, per gal.	$1.30 to $1.90

NOTES.

Mr. Williamson has just opened a new hardware store at Fairfax, Man.

Mr. J. H. Ashdown is calling for tenders for an extensive addition to his wholesale warehouse on Bannatyne street east. The present structure, which was considered enormous when erected a few years ago, is proving entirely too small for the growing trade of the firm.

BOUNTY ASKED ON ARSENIC.

Those interested in the production of arsenic in the Dominion formed a deputation and waited on Hon. Messrs. Fielding, Mulock and Fitzpatrick on April 2, and asked for a bounty on the output of arsenic ore in Canada.

The deputation included Messrs. E. W. Rathbun, E. D. O'Flynn, C. T. Aylesworth, sr., B. O. Lott, C. W. Craigal, A. W. Carscallen, M.P., P. Kirkegaard, Geo. Collins, D. G. Kerr, E. G. Porter, M.P., P. P. Clarke, Jos. James, C. E. James, H. H. Dewart, E. S. Leitham and John McLaren.

The Dominion Government is requested to furnish two-thirds of the bounty money, and the other third is to be secured from the Ontario Government.

The demand is made on the basis of a sliding scale, that is to say, that the Government is asked to give a bounty of $15 a ton for the first three years, of $10 for the next two years, and of $5 for two additional years. It is hoped that in seven years the industry will be on a foundation so as to do without Government aid. The matter will receive the consideration of the Government. The delegation was introduced by Sir Mackenzie Bowell.

PERSONAL MENTION.

Mr. Taylor Webb, Toronto, representative of the Thomas Davidson Manufacturing Co., Limited, Montreal, in Manitoba and the West, has just returned from a three-months' trip over his territory.

American Steel & Wire Co.

New York: Empire Building. Montreal: New York Life Building. Chicago: The Rookery.

BARB WIRE. GALVANIZED PLAIN WIRE.
PLAIN TWIST CABLE FENCING.

Telegraph and Telephone Wire, Mattress, Broom, Weaving Wires of every description, Rail Bonds, Bale Ties, Special Wires for all purposes. Springs, Horse Shoes, Wire Rope, Cold Drawn Steel Shafting.

The Grey and Bruce Portland Cement Company of Shallow Lake, Limited,

Manufacturers of

"HERCULES" BRAND OF

Portland Cement

Unsurpassed for Sidewalks, Floors, and all work requiring the Highest Grade of Portland Cement.

HEAD OFFICE: OWEN SOUND.

BRITISH BUSINESS CHANCES.

Firms desirous of getting into communication with British manufacturers or merchants, or who wish to buy British goods on the best possible terms, or who are willing to become agents for British manufacturers, are invited to send particulars of their requirements for

FREE INSERTION

in "Commercial Intelligence," to the Editor

'SELL'S COMMERCIAL INTELLIGENCE,'

Temple House, Tallis St., Temple Avenue, London, E.C.

"Commercial Intelligence" circulates all over the United Kingdom amongst the best firms. Firms communicating should give reference as to bona fides.

N.B.—A free specimen copy will be sent on receipt of a post card.

Wrapping Papers from these Mills

Count 480 sheets to the ream—turn the scale at full weight always—quality that can be recommended.

CANADA PAPER CO., Limited

TORONTO, and MONTREAL, Que.

John Bowman

HARDWARE & COAL CO.

LONDON, ONT.

Our stock of goods for the spring trade is now complete, and we can fill all orders promptly on the following lines:

Wire, Nails, Cordage, Window Glass, White Lead, Paints, Whiting, Churns, Linseed Oil, Spades and Shovels, Screen Doors, Wove Wire, Poultry Netting, Builders' Hardware, Guns and Sporting Goods. Finest stock in the Province of Cutlery.

Prompt Shipment. Prices Right.

What do you require in the way of

CANS?

We manufacture the very best quality of

Paint and Color Cans, round and square.
Varnish and Oil Cans. Paint Irons
Paint Packages. Lye Tins.

and every description of Tin or Can required by the trade. We shall be pleased to send you quotations for anything you need in our line.

The Acme Can Works,

OFFICE AND FACTORY:

Ontario St. and Jeanne D'Arc Ave.,

MONTREAL.

JAS. B. CAMPBELL. WILLIAM PRATT.

Master Plumbers of Ontario Organize.

MASTER plumbers, steam and gas fitters from many parts of Ontario attended a meeting held in Pythian Hall, Toronto, on Friday, March 28, for the purpose of organizing a Provincial Association.

Although the attendance could have been larger, yet it was representative, and those who were there were pleased with the way the work of organizing was grappled with and completed. Several places were unable to send delegates, but sent messages instead by way of expressing their approval of the new organization.



President W. Mansell.

The delegates present were as follows:

Wm. Mansell, Toronto.
W. H. Meredith, "
E. Larter, "
K. J. Allison, "
J. McKittrick, "
H. Hogarth, "
R. Ross, "
W. G. Adam, "
D. Cooper, "
J. H. Wilson, "
A. Purdy, "
J. Sherlock, "
G. Clapperton, "
R. Harrison, "
G. B. Fitzsimons, "
J. McKinley, Ottawa.
H. A. Knox, "
A. Rogers, Hamilton.
W. Clark, "
J. Stewart, "
W. J. Walsh, "
A. Chadfield, St. Catharines.
A. Riddell, "
C. Hoopell, "
S. P. Gourlay, "
R. G. Sturgeon, Peterboro'.
J. H. Neelands, Barrie.
H. Mahoney, Guelph.
R. W. Phillips, "
P. Bull, St. Thomas.
J. Williams, "
Charles Taylor, Brantford.
Philip Gies, Berlin.

Letters were received from the local associations in Kingston, Cobourg, Port Hope, Simcoe, London, Windsor, Sarnia and a number of other places stating their inability of having representatives present, but expressing their wishes for the organization of a strong Provincial Association.

The proceedings opened at Pythian Hall about 11 o'clock on Friday, March 28, with Mr. Wm. Mansell in the chair, and Mr. H. A. Knox, of Ottawa, acting as secretary pro tem. A programme committee was appointed before the adjournment for luncheon.



Secretary W. H. Meredith.

At the afternoon session the election of officers was proceeded with, during which time John McKinley, president of the National Association, occupied the chair.

The officers elected were as follows:

President—Wm. Mansell.
Vice-President—Wm. Clark.
Secretary—W. H. Meredith.
Treasurer—J. H. Wilson.
Past President—S. P. Gourlay.

Executive Committee — Philip Gies and H. Mahoney.

The following were appointed chairmen of committees:

Legislative—T. H. Neelands.
Sanitary—A. Rogers.
Apprenticeship—Charles Taylor.
Essay—Robert Ross.

The members of each committee will be appointed by the respective chairmen.

The standing committee will be appointed at the next Provincial convention on Thanksgiving Day.

After the election Mr. Wm. Mansell, the newly-elected president, took the chair.

The meeting then proceeded to the consideration of the constitution and by-laws. These had been drawn up at the last annual meeting of the National Master Plumbers', Gas and Steam Fitters' Association, held in Toronto last July, but before being approved of by the new association, they had to be considerably amended. It took the whole afternoon to come to a final decision in the matter.

The question of appointing a permanent secretary, who should have a stated salary for his services, came up for consideration, and, as the opinion of the meeting seemed to be in favor of this step, it was left to the executive to decide.

The evening session was more social in its character, and there was no business of much importance transacted beyond a few minor matters. It was 11 o'clock before the convention was over.

The next meeting of this Provincial Association will be held in Toronto on Thanksgiving Day, and that there will be a large attendance at it is the hope of those interested.



Treasurer J. H. Wilson.



When you lay in your stock of house paints, don't forget the roof paints, the barn paints, the fence paints, the "outside" paints. It's not every man can afford to put high-grade house paints on his barns and he does'nt need to if he knows it. Every dealer can make money with

RAMSAYS OUTSIDE PAINTS

which he can sell at $1.00 per gallon, and the man with out-houses and fences gets to work and paints up places he never painted before, because he can do it reasonably.

That means **new** business for you, does'nt it?

We can send you a color card of **"Ramsays Outside Paints"** if you want it.

A. RAMSAY & SON
MONTREAL

PAINT MAKERS
EST'D 1842

Gas Fixtures

We make Attractive Fixtures in

GAS . . .
ELECTRIC
COMBINATION

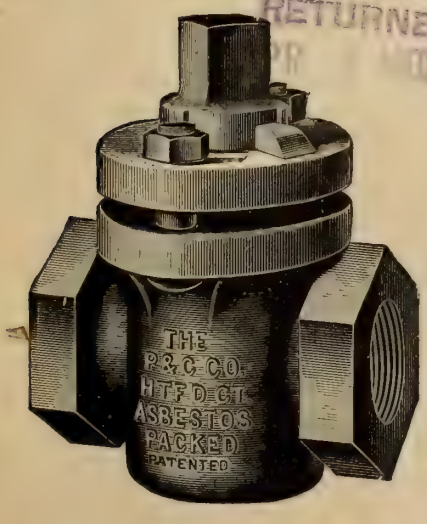
Catalogues to the Trade

The James Morrison Brass Mfg. Co., Limited
89-97 Adelaide St. West, TORONTO.

THE FAIRBANKS ASBESTOS-PACKED COCK

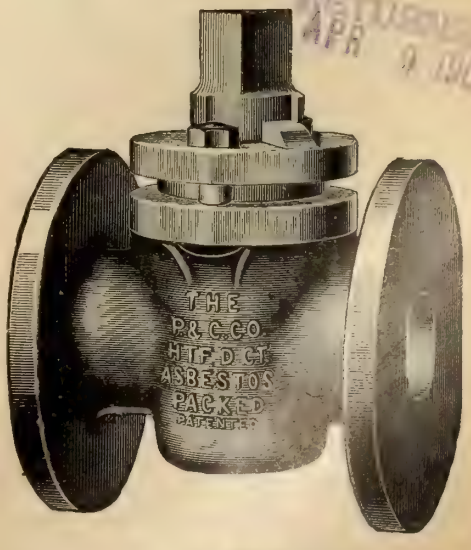
Many Valves and Cocks are tight when first put on, but will not stand severe service.

OURS WILL. IT'S "A TIGHT STOP."



The dovetailed U-shaped grooves in the Body are packed with prepared Asbestos, and a Vulkabeston ring is used on the shoulder of the plug for top packing. These Cocks are well known and extensively used for Boiler Service.

SEND FOR PRICES.



THE FAIRBANKS COMPANY, 747 and 749 Craig Street, **MONTREAL.**

BUILDING PERMITS IN TORONTO.

DURING the week building permits have been granted from the Toronto city commissioner's office as follows: W. J. Tracy, for a two-storey brick dwelling on Victor avenue, for $1,000; Wm. Murray, for two pairs of two-storey brick dwellings on Huron street, for $12,000; L. Crowley, for a pair of two-storey brick and roughcast dwellings on 84 and 86 Claremont street, for $2,000; D. B. Kissock, for a two storey brick dwelling on 478 Ontario street, for $2,000; George Richardson, for a two-storey brick and roughcast dwelling on Shaw street, for $1,300; J. Morton, for a pair of two-storey brick dwellings on the corner of Brock avenue and Moutray street, for $3,600; Mrs. F. J. Armstrong, for repairs of brickwork and plumbing of 262 and 264 George street, for $700; Geo. H. Hees, Son & Co., for an iron storehouse for unfinished woodenware in rear of annex on Bedford Road, for $900; J. S. V. May, for a two-storey dwelling on 81 Delaware avenue, for $3,500; L. G. Sisterson, for a two-storey brick dwelling on 3 Simpson avenue, for $1 400; J. Wheeler, for a two-storey brick dwelling at 507 Dovercourt Road, for $3,000; J. E. Hane, for a pair of two-storey brick stores on the east side of Albany Avenue, for $6,000; M. Rawlinson, for a two-storey brick dwelling on the north side of Maple Avenue, for $4,500; The Toronto Hotel Company, for two additional storeys of brick and terra cotta to hotel on King street east, for $150,000; W. H. Gibbs, for two pairs of two storey brick and roughcast dwellings at 309 to 315 Gerrard street east, for $6,000; G. E. Genereaux, for a one and-a half-storey brick dwelling on Vermont street, for $800; James Armstrong, for a roughcast addition to store at 72 Lansdowne Avenue, for $400; G. A. Thorpe, for brick alterations to factory at 88 York street, for $1,500; H. M. Death, for a pair of two storey brick dwellings at 240 and 242 Dovercourt Road, for $4,000; and J. Wheeler, for a two-storey brick residence at 507 Dovercourt Road, for $3,000.

PLUMBING AND HEATING CONTRACTS.

Fiddes & Hogarth, plumbers and gasfitters, Toronto, have secured contracts for the plumbing and gasfitting of a residence on Jarvis street for Dr. Charles Sheard, and for the installation of additional bathrooms in the clubhouse of the Toronto Hunt, Limited, East Toronto.

Guest & Co., plumbers, Toronto, have secured contracts for the heating of a residence on 23 Rolyat street, for Thos. Bloodworth; the plumbing and installation of a water motor in a Methodist church at Waterloo, Ont., and the plumbing and installation of a water motor in Colborne Street Methodist Church, Brantford, Out.

HE GOT THREE MONTHS.

John Donnelly was the man who was caught stealing sewer pipes from Purdy & Mansell, plumbers, on Adelaide street, Toronto, one day last week. He appeared in the police court on April 1 and it was further proved that he had also stolen from S. P. Kent. The stolen goods were taken to Mehr's junk shop and sold. He said his fall was owing to strong drink. He was sentenced to three months' imprisonment.

John Innis and William Russel were in the express wagon with Donnelly when he took the pipes, but it could not be proved that they knew the pipes were being stolen. They were discharged.

SOME BUILDING NOTES.

George Everett will build a house at Brookbury, Que., this spring.

R. J. Wales is preparing for the erection of a two-storey brick store at Napanee, Ont.

S. Pierce is building a dwelling at Aylmer, Ont.

A new Baptist church is being erected at St. Marys, Ont.

A. J. Creighton is building a two-storey brick block at Owen Sound, Ont.

Dr. Sandford is building a store and bakery, and E. P. Ainsworth, a new house, at Brighton, Ont.

John Waller is building a house on the corner of Maud and Front streets, Petrolea, Ont.

The James McCready Manufacturing Company is erecting a boot and shoe factory at Montreal at a cost of about $75,000.

St. Mary's church, Montreal, recently burned, will be rebuilt in May at a cost of $80,000.

Dr. G. Reid Simpson is erecting six brick dwellings on the corner of Spring and Jackson streets, Hamilton, to cost $7,057.

W. W. Carter, general merchant, Fesserton, Ont., is remodelling and enlarging his store.

At Durham, Ont., Jas. Redford is preparing to erect a new house; James Lanahan is working on a new residence; Albert Algue will erect a blacksmith shop, and the Baptists are going to build a new church.

During the month of March 70 new building permits were issued in Montreal, representing a total value of $500,000. Amongst these was the permit for the new Board of Trade, that will cost $300,000.

BUILDING IN TORONTO.

Building operations in Toronto for March show an increase over the same month last year. Last month, building permits were issued representing a value of $225,665, as compared with $176,845 for March, 1901. For the three months ending March, 1901, the total amount of the building permits was $359,855, while for the same period in 1902 building permits were issued totalling $384,340.

LUNENBURG'S ELECTRIC PLANT.

Lunenburg, N.S., has decided to purchase the property, rights and franchise of The Lunenburg Water and Electric Light, Heating and Power Co., Limited. The sum paid for the plant is not to exceed $90,000. The property will be handed over to the town after the company has installed 48 fire hydrants.

INVENTOR OF THE LUCIFER MATCH.

There have been many claimants to the honor of being the maker of the first lucifer match. But a recent discovery of some old account books at Stockton on-Tees, Eng., affords, according to an exchange, documentary evidence which proves beyond question that one John Walker, a Durham chemist, was the original inventor and maker of the match. According to a diary in which Walker carefully noted all his business transactions, the first box of matches was sold for 35c., in April, 1827. It appears that they at once became popular, and people travelled from the adjacent towns to purchase them. Walker employed the poor of Stockton to split the wood, but dipped them in the phosphoros mixture himself, to insure their perfection. The inventor was pressed by his friends to patent the process; he refused, however, affirming that he had ample means to satisfy his simple wants.

PARRY SOUND BOARD OF TRADE.

The following were elected officers at the annual meeting of the Parry Sound Board of Trade:

President—John A. Johnson.
Vice-President—W. R. Foot.
Secretary-Treasurer—W. L. Haight.
Executive Council—H. Y. Complin, D. W. Ross, J. H. Knifton, John Galna, A. B. Begg, C. A. Phillips, S. Armstrong, Wm. Ireland.
Mining Section—Alex. Dick, M.E., John Moffatt, C. A. Phillips, A. B. Begg, P. J. Dwyer, P. Weller.
Auditors—Major Knifton, Wm. Ireland.

The chief subjects for consideration were the settlement of the water frontage dispute and the procuring of assistance in dock construction. The officers and members of the council will assist in the final arrangements.

LEADER CHURN

New Century Improvements

FOUR DIFFERENT STYLES:

A—Steel Frame with double reversible Steel Lever.
B—Wood Frame with double reversible Steel Lever.
C—Steel Frame with Crank.
D—Wood Frame with Crank.

☛ *Styles* **A** *and* **B** *may be operated from a sitting or standing position.*

Steel Frames and Hoops beautifully ALUMINIZED.

All LEADER CHURNS are equipped with BICYCLE BALL BEARINGS and PATENTED CREAM BREAKERS.

Stands are so constructed that they are particularly strong and rigid, and there is nothing to interfere with the placing of pail in the most convenient position for draining off buttermilk.

It Pays to Have the Best. None are Better Than the Leader.



THE DOWSWELL MANUFACTURING CO.,
HAMILTON, ONT. Limited.

Eastern Agents: W. L. Haldimand & Son, Montreal, Que.

The New Century Washing Machine



IT LOOKS EASY
IT IS EASY.

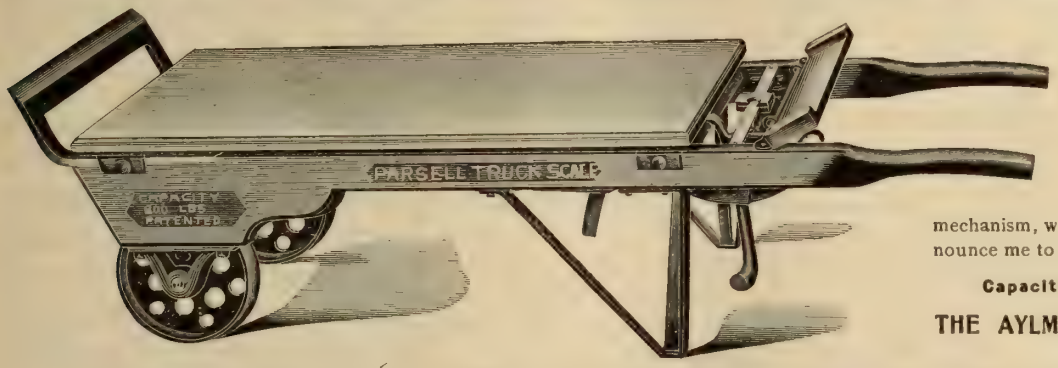
Steel Ball Bearings, same as used in High-Grade Bicycles, and strong tempered steel spiral springs render it so. No machine on the market approaches it in simplicity, ease, quickness, or thoroughness.

Equally well adapted for use in Public Institutions, Hotels, Laundries, or the Home.

The operator does most effective work while seated. Splashing impossible.

Quick Seller. **Once Inspected, Soon Selected.**

I AM THE PARCELL DROP LEVER TRUCK SCALE.

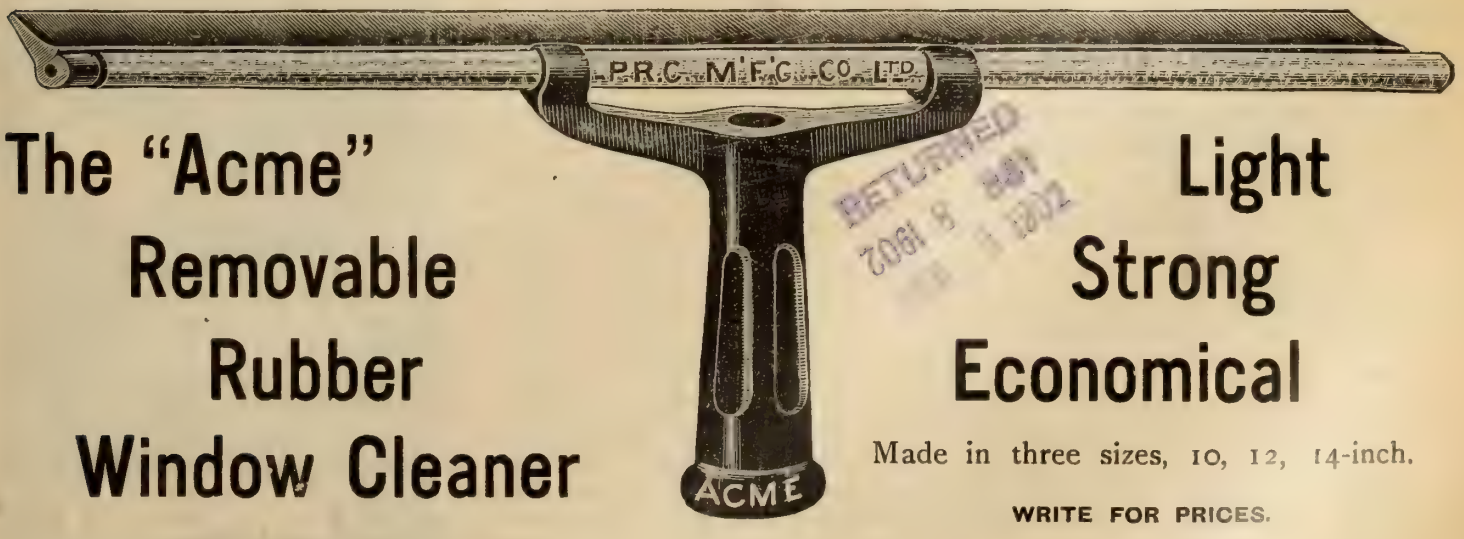


I HAVE no connection or relationship with any other Truck Scale. Do not condemn me because some other Truck Scale was not right, but give me a chance to prove to you that I am the most convenient scale made, and that I am perfectly correct and a first-class piece of mechanism, which I must be, as good inspectors pronounce me to be a first-class article.

Capacities: 800 lb., 1,200 lb., 1,600 lb.

THE AYLMER IRON WORKS CO., Limited
AYLMER, ONT.

Let the Light Shine.



The "Acme" Removable Rubber Window Cleaner

Light Strong Economical

Made in three sizes, 10, 12, 14-inch.

WRITE FOR PRICES.

MADE ONLY BY

The P. R. Cumming Mfg. Co., Limited

P.S.—Catalogue on application.

Toronto.

ABOUT

Horse Nails.

There is one brand of horse shoe nails that you can do all your business with—the old reliable "**C**" brand. If you keep your stock of this one brand, you will satisfy any farrier you sell to, in the matter of quality, pattern or finish.

If you want cheap nails the "**C**" brand is the cheapest to buy, though not the lowest price. Best quality and lowest price never go together. Low price—low quality. Best price—best quality, is the rule.

Many buyers are tempted to purchase low-priced nails, thinking they are saving the difference in price between the "**C**" brand and low-priced horse nails. We wish to inform such buyers that twenty-five cents a box less than our price, only reduces the cost of the nails used in a full set of shoes, **one third of one cent**; and fifty cents a box less, two-thirds of one cent; it requires, therefore, seventy-five cents a box below our price to reduce the cost **one cent** in the nails used in shoeing a horse. We base above on the average size nail No. 8, and the statement is absolutely correct.

No intelligent farrier who values his reputation for good work, but can afford, and willingly pay a little more for the best nails, when the difference in quality and price, as above stated, are fairly presented to him.

Our works (which are the oldest and largest in Canada) have been employed in making horse nails, only, since the year 1865. You have the benefit of this long experience in purchasing our "**C**" brand. You get the best that are made in Canada.

We want your trade, and will appreciate your orders through any dealer, or direct if they cannot supply you.

CANADA HORSE NAIL CO.
MONTREAL.

OVERBUYING AND FAILURES.

OVERBUYING is responsible for a great many business losses. The merchant who buys in haste and too largely will repent at leisure, says an exchange. No buyer can gauge exactly the possible demand in any line of goods, consequently it is almost inevitable that towards the end of the season he will be entirely out of merchandise on which there is still some sale at a good profit, or will be so overloaded that he will have to sell well below cost in order to sell at all, thus sacrificing a good part of the profits made earlier in the season, or taking the other alternative of carrying over the goods, having money locked up in them which might be invested in salable goods. The price concessions that are to be had through large buying are very tempting; they often enable a merchant to undersell a competitor and yet realize as large a profit, or to sell at the same price and make a larger profit. This temptation too often blinds him to the risk of such buying. If your capital is limited and your competitors are similarly situated in the financial sense, "little and often" is a pretty safe rule for buying. If, on the other hand, it is necessary to buy largely in order to meet competition and realize a satisfactory profit, you should buy as largely as your possible trade will warrant, but no more so. The man with a small capital had better buy early and often, and manage somehow to get along on a slightly smaller profit, if necessary, than to overbuy in order to meet a competitor on even ground. Of course his prices should not be higher than those of his competitor if he would hope to hold his own. It is a pretty good plan to think over and estimate as accurately as possible before buying for a new season your own capital and selling possibilities as compared with those of your competitors. If these and the business policies of your competitors are correctly sized up and you buy in the light of judgments thus found, you will be pretty safe.

A CURIOUS MINE.

One of the most curious mines that is worked is in Tongking, China, where, in a sand formation, at a depth of from 14ft. to 20ft., there is a deposit of the stems of trees. The Chinese work this mine for timber, which is found in good condition, and is used in making coffins, troughs, and for carving and other purposes. The stems are about 3ft. in diameter and 45ft. in length, and apparently belong to fir trees which were buried thousands of years ago by an earthquake or other similar convulsion.



THE
PAINTERS
PERFECT
WHITE
LEAD

is beautifully soft and fine in the grain. It mixes well with Linseed Oil, forming a creamy smooth paint of great covering power and undoubted durability. Every atom is paint — perfect paint — and there is no loss or residue of any kind. The Painters Perfect White Lead has become very popular everywhere. Book early to ensure early shipment.

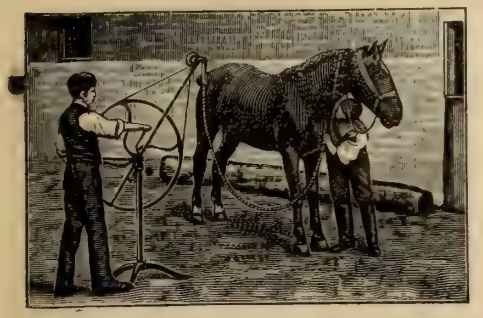


THE
CANADA
PAINT
COMPANY
LIMITED

Montreal and Toronto.

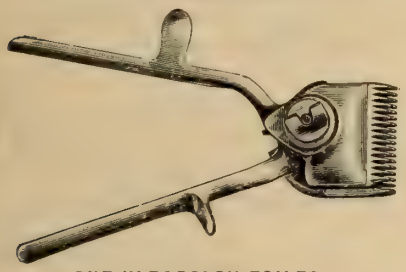
BURMAN & SONS' CELEBRATED CLIPPERS

Established 1871. **BIRMINGHAM, ENG.** for Horsemen and Barbers.



NO. 3—POWER CLIPPER, with "Wrist Joint."

As supplied to { The Czar of Russia. The King of Denmark. Earl Roberts, Etc., Etc.



THE "LEOPOLD" TOILET.

NO. 297.



THE "WARWICK" CLIPPER.

Cuts over three teeth.

As supplied to His Majesty's War Department.

SEND FOR PRICE LIST AND TERMS.

To be obtained from all the principal Jobbers throughout the Dominion.

BUY THE

BEST PAINTS

AND SAVE YOUR MONEY.

It is always cheaper to buy the best. It costs as much to apply a cheap as it does a good Paint.

"BEAVER" BRAND and "T. L. & C. CO." BRAND } **PURE PREPARED PAINTS**

MANUFACTURED BY

THE TORONTO LEAD & COLOR CO., Limited

TORONTO

ARE THE BEST.

For interior and exterior use. Most economical, because they cover the greatest surface. Cheapest, because they wear longest. Most satisfactory, because they look best.

EVERY TIN GUARANTEED.

As for our New Century Catalogue and Color Cards.

FRANK MILLER'S

HARNESS PREPARATIONS.

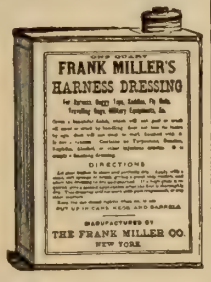
FRANK MILLER'S

HARNESS DRESSING

Recognized as

"THE STANDARD."

Produces a brilliant jet-black gloss which will not peel or smut and to which dirt will not stick.





Frank Miller's

Harness Soap

Unrivaled for cleaning and softening Harness. Put up in cakes, pans, boxes and tubs.

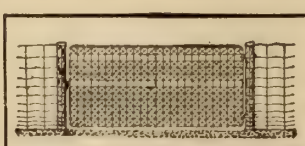
FRANK MILLER'S

Harness Oil.

Preserves and softens the leather, thus adding life.

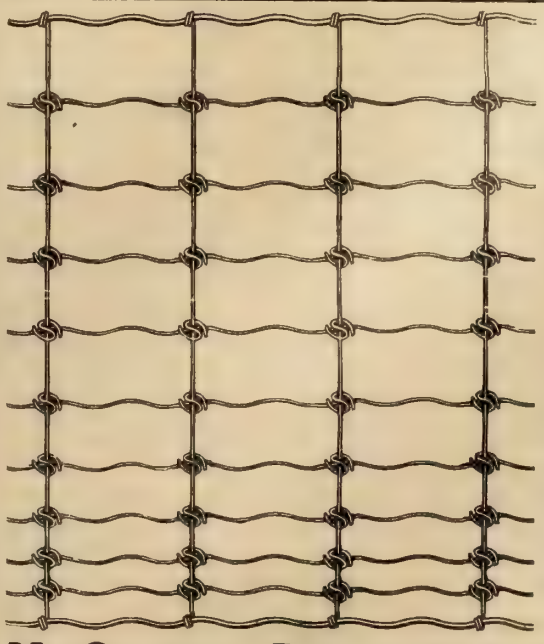
The highest quality of oil on the market.





PAGE METAL GATES

are so low in price no one can afford to use wooden ones. Light, and yet strong enough to support a heavy man on the end while he swings around the circle without causing them to sag. They are neat in appearance, will last a lifetime. Will not sag nor get rickety. They are supplied with latches which allow them to be opened either way and are self acting. The only good metal gate that is low enough in price for General farm purposes. We also make Farm and Ornamental Fence, Poultry Netting, Nails and Staples. **The Page Wire Fence Co., Limited, Walkerville, Ont.**



Woven Wire Fencing

A heavy stay in one piece. A perfect lock to hold. Complete in the roll. Made from hard spring wire throughout. Will stand up and do business where other styles fail.

WRITE:

McGregor, Banwell & Co'y, Windsor, Ont.

Coiled Spring and Other Fence Wires, Fence Supplies.

WEST-INDIAN TRADE WITH CANADA

From The Argosy, Georgetown, Demerara.

ONE of the most hopeful signs of the times is the increased interest that is being shown by the colonies in one another's welfare. It is a manner for congratulation that British Guiana has taken a not unimportant part in the reciprocal negotiations, and the fostering of more friendly relationships. The visit of the deputation from the Canadian Manufacturers' Association to the various West-Indian colonies has given the commercial communities concerned an opportunity of becoming better acquainted with the products and manufactures of Canada, and has, at the same time, allowed the deputation to gather valuable information regarding the class of goods most suited to our markets. As was pointed out at the meeting of the Georgetown Chamber of Commerce on Monday, the West Indies need not trouble about the risk of jeopardizing our commercial relations with the United States. Sugar is our principal article of export, and it is true if it had not been for the good offices of the United States, we would have been in a much worse plight than we have been for years past. But, having served their own purpose as well as ours, and having now obtained sugar colonies under the flag of the "Stars and Stripes," indications are not wanting that before very long the United States market will be closed against us.

We have pointed out on previous occasions that we cannot look to Canada as a substitute for the United States; the population is too sparse, and the consumption of cane sugar too small to dispose of a fifth of the output, even of British Guiana, not to speak of the West Indies generally. But because Canada cannot take all our sugar, that is no reason why we should not make the most of the market it has. The endeavors being put forth by the wealthy and representative Canadian Manufacturers' Association to foster inter-colonial trade are to be welcomed, as they cannot fail to have beneficial results. That such efforts are necessary is only too evident from a comparison of the volume of trade between Canada and the West Indies, including British Guiana, during the six years ending 1900, the latest period for which figures are available. In 1894 it amounted to $4,170,-989; in 1900 it had dwindled to $2,707,350. This falling off must be in a large measure due to the increase of our trade with the United States, in consequence of the favorable terms on which that country has admitted our sugar.

It is but natural that we should have encouraged our customers by buying largely in their market, and it is not surprising, therefore, to find that in 1900 the West-Indian imports from the United States should have reached a total of $24,000,000. Reference was also made at the meeting on Monday to the steamship service between Canada and the West Indies, and it was pointed out that one of the most clamant needs was a fast service. This has already been pressed on the attention of both the Canadian and Imperial authorities, and perhaps when the bounties have been got rid of, the matter will be taken up and carried to a successful issue.

POPULATION OF NEWFOUNDLAND.

The following is the population of Newfoundland, according to the last census report:

Districts.	1891.	1901.
Twillingate	16,780	18,843
Fogo	6,700	7,666
Bonavista	17,849	20,638
Trinity	18,872	20,695
Bay-de-Verde	9,708	9,922
Carbonnear	5,766	6,024
Harbor Grace	13,881	12,671
Port-de-Grave	7,986	7,445
Harbor Main	9,180	9,445
St. John's West	15,251	18,483
St. John's East	20,775	21,511
Ferryland	5,853	5,697
Placentia and St. Mary's	12,801	15,806
Burin	9,059	10,402
Fortune Bay	7,671	8,762
Burgeo and LaPoile	6,471	7,010
St. George's	6,633	9,205
St. Barbe	6,690	8,126
Total for Newfoundland	197,934	215,616
Labrador	4,106	3,634
Grand total	202,040	220,349

U.S. STEEL OUTPUT IN 1901.

Bradstreets says: "The American Steel and Iron Association, in an estimate compiled from manufacturing statistics, shows that production of Bessemer steel ingots in the United States during 1901 increased 30¼ per cent. over 1900, and was much the largest in our history, while output of steel rails increased 20 per cent. The Association believes that final estimates will show a production of about 2,875,000 tons of all kinds of rails for 1901. It notes that this figure more than doubles the high-record figures of British production of Bessemer steel rails, which was 1,235,785 tons in 1882. Both in ingots and rails the 1901 American production broke all records. For Bessemer ingots the figures for 1901 compare as follows:

Gross tons.		Gross tons.	
1901	8,713,302	1898	6,609,017
1900	6,684,770	1897	5,475,315
1899	7,586,354	1896	3,919,906

The number of tons produced by States is thus compared for three past years:

	1901.	1900.	1899.
Pennsylvania	4,293,439	3,488,731	3,968,779
Ohio	2,154,846	1,388,124	1,679,237
Illinois	1,324,217	1,115,571	1,211,246
Other States	940,800	692,344	727,092
Totals	8,713,302	6,684,770	7,586,354

Steel-rail production was divided as follows between Pennsylvania and the other States, the figures given being gross tons:

	1901.	1900.	1899.
Pennsylvania	1,406,008	1,195,255	1,224,807
Other States	1,430,265	1,166,666	1,015,960
Totals	2,836,273	2,361,921	2,240,767

In 1898 Pennsylvania produced 1,052,771 tons, and the rest of the Union 902,656."

APOLLO BEST BLOOM
GALVANIZED IRON

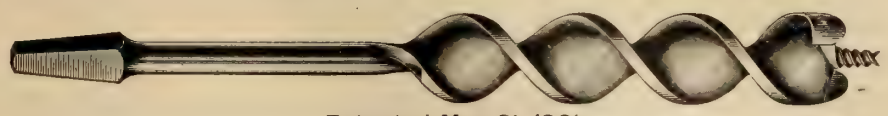
The metal-worker who uses common galvanized iron makes his business harder to do and harder to get; and of course, his profits less.

American Sheet Steel Company, New York

Representatives for Canada
B. & S. H. Thompson & Company
53 St. Sulpice Street
Montreal

SOMETHING NEW

Caldwell Lightning Auger Bits.



Patented May 21, 1901.

This bit will bore two holes in less time than it takes to bore one with any other bit.

AGENTS:

Caverhill, Learmont & Co., - - - Montreal.
Wood, Vallance & Co., - - - - Hamilton.
Geo. D. Wood & Co., - - - - Winnipeg.

CURRENT MARKET QUOTATIONS.

April 4, 1902.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag and Straits—	
56 and 28 lb. ingots, 100 lb.	29 00 30 00

Tinplates.

Charcoal Plates—Bright	Per box
M.L.S. equal to Bradley	
I.C., usual sizes	$6 75
I.X., "	8 25
I.X.X., "	9 75
Famous, equal to Bradley—	
I.C.	6 75
I.X	8 25
I.X.X	9 75
Raven & Vulture Grades—	
I.C., usual sizes	5 00
I.X., "	6 00
I.X.X "	7 00
I.XXX., "	8 00
D.C., 12½x17	4 50
D.X.	5 25
D.X.X	6 00

Coke Plates—Bright	
Bessemer Steel—	
I.C., usual sizes	4 25
I.C., special sizes, base	4 75
20 x 28	9 00

Charcoal Plates—Terne	
Dean or J. G. Grade—	
I.C., 20x28, 112 sheets	8 50
I.X., Terne Tin	10 50

Charcoal Tin Boiler Plates	Per lb.
Cookley Grade—	
X X., 14x56, 5 shee bxs " 14x60, " " 14x65, "	0 06½

Tinned Sheets	
72x30 up to 24 gauge	0 07½
" 26 "	0 08

Iron and Steel.

Common Bar, per 100 lbs	1 95 2 05
Refined "	2 45
Horse Shoe Iron "	2 40
Hoop steel, 1⅛ to 3 in. base,	2 90
Sleigh Shoe Steel " base	2 10
Tire Steel	2 30 2 50
Reeled Machinery	3 00
Toe Calk Steel	2 85 3 00
T. Firth & Co's tool steel, per lb	0 12½ 0 13
Jessop's tool Steel	0 14
Morton's tool steel	C 12½ 0 13
Black Diamond and "B.C." tool steel	0 10 0 11
Chas. Leonard's tool steel	0 08 0 09
Drill Steel, per lb	0 08 0 10

Boiler Tubes.

1½-inch	0 12½
"	0 13
2½ "	0 15
3 "	0 16
3½ "	0 20
4 "	0 25

Steel Boiler Plate.

¼ inch	2 50 2 60
3-16 inch	2 60 2 70
⅝ inch and thicker	2 50 2 60

Black Sheets.

	Com.	D.Fl.
18 gauge	2 85	3 00
20 gauge	2 85	3 00
22 to 24 "	2 95	3 25
26 "	3 05	3 50
28 "	3 15	

Canada Plates.

All dull, 52 sheets	3 00
Half polished	3 10
All bright	3 75

Iron Pipe.

Black pipe—	Per 100 Feet
⅛ inch	3 00
¼ "	2 50
⅜ "	2 75
½ "	3 00
¾ "	3 70
1 "	5 25
1¼ "	7 40
1½ "	8 90
2 "	12 40
2½ "	24 00
3 "	28 00
3½ "	36 00
4 "	43 00
4½ "	50 00
5 "	57 00
6 "	73 00
Galvanized pipe—	
¼ inch	3 30
⅜ "	3 55
½ "	4 00
¾ "	5 25
1 "	7 25
1¼ "	10 10
1½ "	12 15
2 "	16 70

Discount 4 per cent.

Malleable Fittings—Discount 40 p.c.

Cast Iron Fittings—
Plugs, brushings, unions, and nipples, discount 65 p.c.
All others—discount 60 p.c.

Galvanized Sheets.

	G C.	Comet.	Amer.	Queen's Head.
16 gauge	....	....	....	....
18 to 24 gauge	4 05	3 75	....	4 05
26 "	4 25	4 00	....	4 25
28 "	4 50	4 25	....	4 50

Less than case lots 10 to 15c. extra.
28 gauge American equals 26 gauge English.

Chain.

Proof Coil, 3-16 in., per 100 lb	....	....	
" ¼ " "	7 85	8 10	
" 5-16 " "	4 95	5 25	
" ⅜ " "	4 35	4 60	
" 7-16 " "	4 15	4 40	
" ½ " "	4 00	4 25	
" 9-16 " "	3 90	4 15	
" ⅝ " "	3 80	4 05	
" ¾ " "	3 85	4 10	

Halter kennel and post chains, 40 to 40 and 5 p.c.
Cow ties..... 40 p.c.
Tie-out chains..... 65 p.c.
Stall fixtures..... 35 p.c.
Trace chain..... 45 p.c.
Jack chain, iron, single and double, discount 35 p c.
Jack chain, brass single and double, dis count 40 p.c.

Copper.

Ingot	Per 100 lb.
English B S., ton lots	15 00
Lake Superior	

Bars.	
Cut lengths round, ⅛ to ⅞ in.	23 00 25 00
" round and square 1 to 2 inches	23 00 25 00

Sheet.	
Plain, 14 oz., and light, 16 oz., 14x48 and 14x60	22 00 22 50
Plain, 14 oz., and light, 16 oz., irregular sizes	22 50 23 00
Tinned copper sheets	24 00
Planished	32 00

Brazers (In sheets.)	
4x6ft. 25 to 30 lbs. ea., per lb.	0 23
" 35 to 45 " "	0 22
" 50-lb. and above, "	0 21
Boiler and T. K. Pitts	
Plain Tinned, per lb	0 28
Spun, per lb	0 32

Copper Ware.

Discount, 50 per cent.

Brass.

Rod and Sheet, 14 to 30 gauge, 15 per cent.	
Sheets, hard-rolled, 2x4	0 23
Tubing, base per lb	0 23½

Zinc Spelter

Foreign, per lb	5 50 6 00
Domestic "	

Zinc Sheet.

5-cwt. casks	6 00 6 25
Part casks	6 25 6 50

Lead.

Imported Pig, per 100 lb	3 50 3 75
Bar, b	0 05
Sheets, 2½ lbs. sq. ft., by	0 06¼
Sheets, 3 to 6 lbs., "	0 06

NOTE.—Cut sheets ½ cent per lb. extra.
Pipe, by the roll, usual weights per yard, lists at 7c. per lb. and 35 p.c. dis. f.o.b. Toronto.
NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths lists at 7½ cents.

Shot.

Common, $6.50 per 100 lb.; chilled, $7.00 per 100 lb.; buck, seal and ball, $7.50. Discount, 22½ p.c. Prices are f.o.b. Toronto, Hamilton, Montreal, St. John and Halifax. Terms 3 per cent. cash, freights equalized.

Soil Pipe and Fittings.

Discount, 60 and 10 per cent. on medium and extra heavy, and 60 per cent. on light

Solder.

	Per lb.	Per lb.
Bar half-and-half, guarant'd		0 19
Bar half-and-half, commer'l		0 18½
Refined		0 18
Wiping		0 17½

Antimony.

Cookson's, per lb	0 10

White Lead.

	Per 100 lb.
Pure	5 87½
No. 1	5 50
No. 2	5 12½
No. 3	4 75
No. 4	4 37½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B B. Genuine	7 00
" " No. 1	6 00

Red Lead.

Genuine, 560 lb. casks, per cwt.	$4 75
Genuine, 100 lb. kegs, per cwt.	5 00
No. 1 560 lb. casks, per cwt.	4 25
No 1, lb kegs, per cwt	4 50

White Zinc.

Extra Red Seal	0 06 0 08
No. 1	0 05½ 0 07
No. 2	0 05 0 06

Dry White Lead.

Pure, casks	5 25
Pure, kegs	5 50
No. 1, casks	5 00
No. 1, kegs	5 25

Prepared Paints

In ¼, ½ and 1 gallon tins.

Pure, per gallon	1 25
Second qualities, per gallon	1 10
Barn (in bbls.)	0 60 0 90
The herwin-Will am Paints.	1 40
Canada Paint Co' Pure	1 25
Toronto Lead & Color Co's Pure	1 25
Sanderson Pearcy's Pure	1 20
Stewart & Wood's Champion Pure	1 20

Colors in Oil.

25 lb. tins, Standard Quality.

Venetian Red, per lb	0 04½ 0 06
Chrome Yellow	0 12 0 14
Golden Ochre	0 08 0 10
French "	0 06
Marine Black	0 09
Chrome Green	0 10
French Imperial Green	0 12
Sign Writers' Black	0 16
Burnt Umber	0 11
" Sienna	0 11
Raw Umber	0 11
" Sienna	0 11

Colors, Dry.

Common Ochre bbls	1 20	1 30
Yellow Ochre J.F.L.S.), bbls		2 00
Yellow Ochre (La Belle)	1 15	1 25
Brussels Ochre		2 00
Venetian Red (best), bbl	1 75	2 00
English Oxides, per cwt	3 00	3 25
American Oxides, bbls	1 25	2 00
Canadian Oxides, bbls	1 25	1 75
Super Magnetic Oxides, 93p.c.	2 00	2 25
Burnt Sienna, pure, per lb		0 10
" Umber, "		0 10
Raw do		0 09
Drop Black, pure		0 09
Chrome Yellows, pure		0 18
Chrome Greens, pure, per lb.	0 09	0 10
Golden Ochre	0 04	0 05
Ultramarine Blue in 28-lb. boxes, per lb	0 06	0 18
Fire Proof Mineral, per 100 lb		1 00
Genuine Eng. Litharge, per lb		0 07
Mortar Color, per 100 lb	1 25	1 50
Pure Indian Red, No. 45 lb.	0 08	0 10
Whiting, bbl	0 55	0 60
English Vermillion in 20-lb. bags.		0 95

Paris Green.	per lb.
Petroleum Casks	
Arsenic Kegs	
50-lb. and 100-lb. drums	
25-lb. drums	
1-lb. packages	
½-lb. do	
1-lb. tins	
½-lb do	

F. O. B. Toronto. Terms—3 p. c. off 30 days, or 4 mos. from date of delivery.

Blue Stone.

Casks, for spraying, per lb	0 07
100-lb. lots, do. per lb	0 08

Putty.

Bulk in bbls.,	1 90
Bulk in less quantity	2 05
Bladders in bbls	2 25
Bladders in kegs, boxes or loose	2 40
Bladders in 25-lb. tins	2 35
Bladders in 12½-lb. tins	2 65
Bladders in bulk or tins less than 100 lb	2 90

Varnishes.

In 5-gal. lots.	Per Gal.	net.
Carriage, No. 1	1 50	1 60
Pale Durable body	4 10	4 25
" rubbing	2 85	3 00
Gold Size, Japan	2 85	3 00
No 1 Brown Japan		0 85
Elastic Oak		1 50
Furniture, extra		1 25
" No. 1		0 85
Hard Oil Finish	1 65	1 75
Light Oil Finish	1 40	1 50
Demar	1 70	1 80
Shellac, white	2 30	2 45
" orange	2 25	2 35
Turpentine Brown Japan		1 25
" Black Japan	0 85	0 90
" " No. 1	0 70	0 75

Elastilite Varnish 1 gal. can, each, $3.00.
Granitine Floor Finish per gal., $2.75.
Maple Leaf Coach Enamels; Size 1, $1 20 Size 2, 70c.; Size 3, 40c. each.

Castor Oil.

East India, in cases, per lb	0 09½ 0 10
" " small lots	0 10 0 10½

Cod Oil, Etc.

Cod Oil per gal	0 50 0 55
Pure Olive	1 20
" Neatsfoot	90

Glue.

Common	0 08½ 0 09
French Medal	0 14 0 14½
Cabinet sheet	0 12 0 13
White, extra	0 18 0 20
Gelatine	0 22 0 30
Strip	0 18 0 20
Coopers	0 19 0 20
Huttner	0 18

STEEL, PEECH & TOZER, Limited

Phœnix Special Steel Works. The Ickles, near Sheffield, England.

Manufacturers of

Axles and Forgings of all descriptions, Billets and Spring Steel, Tyre, Sleigh Shoe and Machinery Steel.

Sole Agents for Canada.

JAMES HUTTON & CO., - MONTREAL

HARDWARE.

Ammunition.

Cartridges.

B B Caps Dom. 50 and 5 per cent.
Rim Fire Pistol, dis 40 p. c., Amer
Rim Fire Cartridges, Dom., 5 C and 5 p. c
Central Fire Pistol and Rifle 10 p.c. Amer.
Central Fire Cartridges, pistol sizes Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 per cent.
Central Fire, Military and Sporting, Amer. add 5 p.c. to list. B.B. Caps, discount 40 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 10 p.c. advance on list.
Brass Shot Shells, 55 per cent.
Primers, Dom., 30 per cent.; American, $1.60.

Wads	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb. bags	70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 5
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	

	Per M
Chemically prepared black edge grey cloth wads, in boxes of 250 each—	
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
and 6 gauges	1 90

Adzes.

Discount, 20 per cent.

Anvils.

Wright's, 80-lb. and over	0 10¾
Hay Budden, 80-lb. and over	0 09¼
Brook's, " " "	0 11¼

Augers.

Gilmour's discount 65 and 5 p.c. off list.

Axes.

Chopping Axes		
Single bit, per doz	5 50	10 00
Double bit, "	11 00	18 00
Bench Axes, 40 p.c.		
Broad Axes, 25 per cent.		
Hunters' Axes	5 50	6 00
Boys' Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Axle Grease.

Ordinary, per gross	5 75	6 00
Best quality	13 00	15 00

Bath Tubs.

Zinc	6 00
Copper, discount 15 p.c. off revised list	

Baths.

Standard Enameled.

5½-inch rolled rim, 1st quality	25 00
" " " 2nd "	21 00

Anti-Friction Metal.

"Tandem" A per lb.	0 27
" B "	0 21
" C "	0 11½
Magnolia Anti-Friction Metal, per lb	0 25
Frictionless metal, per lb	0 23

SYRACUSE SMELTING WORKS.

Aluminum, genuine	0 41
Dynamo	0 27
Special	0 42
Aluminum, 99 p.c. pure "Syracuse"	0 45

Bells.

Hand

Brass, 60 per cent.
Nickel, 55 pe cent

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Door.

Gongs, Sargant's	5 50	8 00
" Peterboro', discount 45 per cent		

Farm.

American, each	1 25	3 00

House.

American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00
Blacksmiths', discount 40 per cent.		

Belting.

Extra, 60 per cent.
Standard, 60 and 10 per cent.
No. 1, not wider than 6 in., 50 10 and 10 p.c.
Agricultural, not wider than 4 in., 75 p c.

Bits.

Auger.

Gilmour's, discount 60 and 5 per cent.
Rockford, 50 and 10 per cent.
Jennings' Gen. net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind and Bed Staples.

All sizes, per lb	0 07¾	0 12

Bolts and Nuts.

	Per cent.
Carriage Bolts, common ($1 list)	55
" " full square ($3.40 list)	55
" " Norway iron ($3 list)	50
Machine Bolts, all sizes	50 and 5
Plough Bolts	50 and 5
Blank Bolts	50 and 5
Bolt Ends	50 and 5
Sleigh Shoe Bolts	65 and 5
Coach Screws, cone point	66⅔
Nuts, square, all sizes, 3½c per lb off.	
Nuts, hexagon, all sizes, 3¾c. per lb. off.	
Stove rods, per lb. 5½ to 6c.	
Nuts, in 50 lb. lots ¼c. per lb extra, in less than 50 lb lots, ½c extra.	

Boot Calks.

Small and medium, ball, per M	4 25
Small heel, per M	4 50

Bright Wire Goods.

Discount 62½ per cent

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent

Henis, No. 8		6 00
Henis, No. 9, "		7 00
Queen City "	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Butcher Knives.

Bailey's, per doz	0 60	6 30

Building Paper, Etc.

Tarred felt, per 100 lb	1 70
Ready roofing, 2-ply, not under 45 lb. per rol	85
Ready roofing, 3-ply, not under 65 lb. per roll	1 10
Carpet felt, per ton	45 00
Dry sheathing, per roll, 400 sq. ft	30
Tar sheathing, " " "	40
Dry fibre " " "	50
Tarred fibre, " " "	60
O.K. & I.X.L., " " "	65
Resin-sized, " " "	40
Oiled sheathing, " 600 "	1 10
" " " 400 "	70
Roof coating, in barrels, per gal	17
" " small packages	25
Refined tar, per barrel	4 50
Coal tar, "	4 00
Coal tar, less than barrels, per gal	15
Roofing pitch, per 100 lb	85

Bull Rings.

Copper, $2.00 for 2½ in. and $1.90 for 2 in.

Butts.

Wrought Brass net revised list

Cast Iron.

Loose Pin, dis., 60 per cent.

Wrought Steel

Fast Joint, dis. 65, 10 and 2½ per cent.
Loose Pin, dis. 65, 10 and 2½ per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.

Gen. Bronzed, per pair	0 40	0 65

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	....

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	8 50	9 50

Cement.

Canadian Portland	1 90	2 75
English "	3 00	3 15
Belgian "	2 50	2 75
Canadian hydraulic	1 25	1 50

Chalk.

Carpenters Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 70 per cent.
Warnock's, dis. 70 per cent.
P. S. & W. Extra 60, 10 and 5 p.c.

Churns.

Revolving Churns, metal frames—No. 0, $8—No. 1, $8.50—No. 2, $9.00—No. 3, $10.00—No. 4, $12.00—No. 5, $16.00 each. Ditto, wood frames—20c. each less than above. Discounts: Delivered from factories, 56 p.c.; from stock in Montreal, 54 p.c. Terms, 4 months or 3 p.c. cash in 30 days

Clips.

Axle dis. 65 per cent.

Closets.

	Net.
Plain York or Ontario Syphon Jet.	$9 60
Emb. York or Ontario Syphon Jet.	10 20
Fittings	1 00
Plain Elgin or Teu. Syphon Washout	6 00
Emb. Elgin or Teu. Syphon Washout	6 60
Fittings	1 25
Low Down Elgin or Teutonic, plain	9 60
" " " " emb.	10 20
Plain Richelieu	4 00
Emb. Richelieu	4 25
Connections	1 25
Low Down Ont. Sy. Jet, plain	11 70
" " " " " emb'd.	12 30
Closet connection	1 25
Basins P.O., 14 in.	0 70
" oval 17 x 14 in.	1 50
" " 19 x 15 in.	2 25

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Conductor Pipe.

Plain or Corrugated.

2-inch, per 100 feet	3 00
3 " " "	4 00
4 " " "	5 25
5 " " "	6 75
6 " " "	9 00

Cradles, Grain.

Canadian, dis. 25 to 33⅓ per cent.

Crosscut Saw Handles.

S. & D., No. 3, per pair	17½
" " 5, "	22½
" 6, "	15
Boynto pattern "	20

Door Springs.

Torrey's Rod, per doz	(15 p.c. 2 00
Coil, per doz	0 88 1 60
English, per doz	2 00 4 00

Draw Knives.

Coach and Wagon, dis. 50 and 10 per cent
Carpenters, dis. 70 per cent.

Drills.

Hand and Breast

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis., 37½ to 40 per cent.
Standard dis. 50 and 5 to 55 per cent.

Faucets.

Common, cork-lined, dis. 35 per cent.

ELBOWS. (Stovepipe.) per doz

5 and 6-inch, common	1 20
7-inch	1 35

Polished, 15c. per doz. extra.

ESCUTCHEONS.

Discount, 45 per cent.

ESCUTCHEON PINS.

Iron, discount 40 per cent.

FACTORY MILK CANS.

Discount off revised list, 40 per cent.

FILES AND RASPS.

Great Western	70 and 10 per cent.
Arcade	70 " 10 "
Kearney & Foot	70 " 10 "
Disston's	70 " 10 "
American	70 " 10 "
J. Barton Smith	70 " 10 "
McClellan	70 " 10 "
Eagle	70 " 10 "
Nicholson, 60 and 10 to 6', 10 and 5	"
Royal	80 "
Globe	70 to 75 "

Black Diamond, 60 and 10 to 60, 10 and 5 p.c.
Jowitt's, English list, 25 to 27½ per cent.
Nicholson File Co 's "Simplicity" file handle per gross, 85c. to $1.50.

GLASS—Window—Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	D. Diamond Per 50 ft.	D. Diamond Per 100 ft.
Under 26	2 20	4 25	....	6 25
26 to 40	2 40	4 65	....	6 75
41 to 50	....	5 10	....	7 50
to 60	....	5 35	....	8 50
61 to 70	....	5 75	....	9 75
71 to 80	....	6 25	....	11 00
81 to 85	....	7 00	....	12 55
86 to 90	....	7 75	..	15 00
91 to 95	..	....	...	17 50
96 to 100	.. ..	....	..	20 50
101 to 105	....	....	....	24 00
106 to 110	....	....	....	

GAUGES

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's, Nos. 26 to 33, each	1 65	2 40

HALTERS.

Rope, ⅜ per gross	....	....
" ½ "	....	9 00
" ⅝ to ¾	....	14 00
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, —per doz	1 87	2 45

HAMMERS.

Nail

	Can.	dis.
Maydole's, dis. 5 to 10 per cent 25 to 27½ per cent.		

Tack.

Magnetic per doz	1 10	1 2

Sledge.

Canadian per lb	0 07½	0 08½

Ball Peen.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz. net	1 50	2 00
Store door, per doz	1 00	1 50

Fork.

C. & B., dis. 40 per cent. rev. list.

Hoe.

C. & B., dis. 40 per cent. rev. ist.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 75

Hammer and Hatchet.

Canadian, 40 per cent.

Cross-Cut Saws.

Canadian, per pair	0 13¾

HANGERS.

	doz. pairs.	
Steel barn door	5 85	6 00
Stearns, 4 inch	....	5 00
" 5 inch	....	6 50
Lane's covered—		
No. 11, 5-ft. run	....	8 40
No. 11½, 10-ft. run	....	10 80
No. 12, 10-ft. run	....	12 60
No. 14, 15-ft. run	....	21 00
Lane's O.N.T. track, per foot	....	4½

HARVEST TOOLS

Discount, 60, 10 and 10 per cent.

HATCHETS

Canadian, dis. 40 to 42½ per cent.

Important

Our new PRICE LISTS in CATALOGUE form are now almost completed and contain much useful information about Building Papers and Roofing material in general. We are offering our customers the benefit of the experience and information we have acquired through twenty-five years' connection with the line of business in which we are engaged.

THE PATERSON MFG. CO., Limited, TORONTO and MONTREAL.

HINGES.

Blind, Parker's, dis. 50 and 10 to 60 per cent.
Heavy T and strap, 4-in., per lb.... 0 06½
" " 5-in., " 0 06¼
" " 6-in., " 0 06
" " 8-in., " 0 05¾
" " 10-in., " 0 05½
Light T and strap, dis. 65 and 5 per cent.
Screw hook and hinge—
6 to 10 in., per 100 lbs.... .... 4 50
12 in. up, per 100 lbs..... .... 3 25
Per gro. pairs
Spring..... .... 12 00

HOES.

Garden, Mortar, etc., dis. 50 and 10 p.c.
Planter, per doz..... 4 00 4 50

HOLLOW WARE

Discount,..... 45 and 5 per cent.

HOOKS.

Cast Iron.

Bird Cage, per doz.....	0 50	1 10
Clothes Line, per doz.....	0 27	0 63
Harness, per doz.....	0 72	0 88
Hat and Coat, per gross.....	1 00	3 00
Chandelier, per doz.....	0 50	1 00

Wrought Iron.
Wrought Hooks and Staples, Can dis. 47½ per cent.
Wire.
Hat and Coat, discount 45 per cent.
Belt, per 1,000 ..... 0 60
Screw, bright, dis. 55 per cent.

HORSE NAILS.

"C" brand 50 and 7½ p.c. off new list } Oval-
"M" brand 50, 10 and 5 per cent. } head
Countersunk, 60 per cent.

HORSESHOES.

Iron Shoes.	F.O.B. Montreal No. 2 and larger.	No. 1. and smaller.
Light, medium and heavy...	3 50	3 75
Snow shoes.....	3 75	4 00
Steel Shoes.		
Light.....	3 60	3 85
Featherweight (all sizes).....	4 85	4 85

F.O.B. Toronto, Hamilton, London and Guelph, 10c. per keg additional.
Toe weight steel shoes..... 6 70

JAPANNED WARE.

Discount, 45 and 5 p.c. off list, June 1899.

ICE PICKS.

Star per doz..... 3 00 3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.

Copper, per lb.....	0 30	0 50

American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 45 p.c.
Cabinet, trunk, and padlock, Am. per gross 60

KNOBS.

Door, japanned and N.P., per doz.....	1 50	2 50
Bronze, Berlin, per doz.....	2 75	3 25
Bronze Genuine, per doz....	6 00	9 00
Shutter, porcelain, F. & L screw, per gross	1 30	4 00
White door knobs—per doz.		1 25

HAY KNIVES.

Discount, 50 and 10 per cent.

LAMP WICKS.

Discount, 60 per cent.

LANTERNS.

Cold Blast, per doz.....	7 00
No. 3 "Wright's"	8 50
Ordinary, with O burner.....	4 00
Dashboard, cold blast.....	9 00
No. 0.....	5 75

Japanning, 50c. per doz. extra

LEMON SQUEEZERS.

Porcelain lined, ...per doz.	2 20	5 60
Galvanized.....	1 87	3 85
King, wood.....	2 75	2 90
King, glass.....	4 00	4 50
All glass.....	1 20	1 30

LINES.

Fish per gross.....	1 05	2 50
Chalk "	1 90	7 40

LOCKS.

Canadian, dis. 45 p.c.

Russel & Erwin, per doz....	3 00	3 25

Cabinet.
Eagle, dis. 30 p.c.

Padlocks.

English and Am. per doz....	50	6 00
Scandinavian, "	1 00	2 40

Eagle, dis. 20 to 25 p.c.

MACHINE SCREWS. Iron and Brass.

Flat head discount 25 p.c.
Round Head discount 20 p.c.

MALLETS.

Tinsmiths' per doz.....	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz..	3 85	5 00
Caulking each.....	60	2 00

MATTOCKS.

Canadian, per doz.....	5 50	6 50

MEAT CUTTERS.

American, dis. 25 to 30 p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are :	Cut.	Wire.
2 d and 3d	$3 35	$3 55
3 d	3 00	3 22
4 and 5d..... ..	2 75	3 05
6 and 7d.....	2 65	2 80
8 and 9d.....	2 50	2 70
10 and 12d.....	2 45	2 65
16 and 20d..	2 40	2 60
30, 40, 50 and 60d. (base).....	2 35	2 55

Wire nails in carlots are $2 50
Galvanizing 2c. per lb. net extra.
Steel Cut Nails 10c. extra.
Miscellaneous wire nails, dis. 75 p.c.
Coopers' nails, dis. 30 per cent.
Flour barrel nails, dis. 25 per cent

NAIL PULLERS.

German and American.....	1 85	3 50

NAIL SETS.

Square round, and octagon per gross.....	3 38	4 00
Diamond.....	12 00	15 00

POULTRY NETTING.

2-in. Mesh, 19 w.g., dis. 60 p.c.
2-in. Mesh, 18 w.g. and heavier, 50 and 10 p.c.

OAKUM. Per 100 lb

Navy	6 00
U.S. Navy.....	7 25

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal. per doz..... .... 10 00
Zinc and tin, dis. 50, 50 and 10.

Copper, per doz.....	1 25	3 50
Brass, "	1 50	3 50

Malleable, dis. 25 per cent.

GALVANIZED PAILS.

Dufferin pattern pails, dis. 45 p.c.
Flaring pattern, discount 45 per cent.
Galvanized washtubs discount 45 per cent.

PIECED WARE.

Discount 40 per cent. off list, June, 1899.
10-qt. flaring sap buckets, dis. 40 p.c.
6, 10 and 14-qt. flaring pails, dis. 40 p.c.
Creamer cans, dis. 40 p.c.

PICKS.

Per doz..... 6 00 9 00

PICTURE NAILS.

Porcelain head, per gross...	1 75	3 00
Brass head "	0 40	1 00

PICTURE WIRE.

Tin and gilt, discount 75 p.c.

PINE TAR.

½ pint in tins, per gross.	7 80
1 " "	9 60

PLANES.

Wood, bench, Canadian dis. 40 per cent. American dis. 50.
Wood, fancy Canadian or American 7½ to 40 per cent.

PLANE IRONS.

English, per doz..... 2 00 5 00

PLIERS AND NIPPERS.

Button's Genuine per doz pairs, dis. 37½ 40 p.c.

Button's Imitation, per doz..	5 00	9 00
German, per doz.....	0 60	2 60

PLUMBERS' BRASS GOODS.

Standard Compression work, dis. 60 p.c.
"J.M.T." Cushion work, dis. 50 p.c.
Full... work, dis. 65 p.c.
... oz. lots and over of the above, extra dis. 10 p.c.

Lever Handle Stops and Waste, discount 60 p.c. With, in lots of 2 doz. and over, an extra dis. of 10 p.c.
"J.M.T." Globe, Angle and Check Valves, dis 55 p.c.
Standard Globe, Angle and Check Valves, dis. 65 p.c.
"J.M.T." Radiator Valves, dis. 55 p.c.
Standard " dis., 65 p.c.
Patent Quick Opening Valves, dis. 70 p.c.

No. 1 compression bath cock, net ..	2 00
No. 4 " "	2 00
No. 7, Fuller's	2 20
No. 4½, "	2 35
Patent Compression Cushion, basin cock, hot and cold, per doz	15 00
Patent Compression Cushion, bath cock No. 2208.....	2 25

Square head brass cocks, 60 p.c.
" " iron " 60 p.c.
Globe Angle or check valves, 70 p.c.
Competition Globe, Angle and Check Valves discount, 70 p.c.
Competition Quick Opening Radiator Valves, discount, 70 p.c.

PRESSED SPIKES.

Discount 25 per cent.

PULLEYS.

Hothouse, per doz.....	0 55	1 00
Axle.....	0 22	0 33
Screw.....	0 27	1 00
Awning.....	0 35	2 50

PUMPS.

Canadian cistern.....	1 80	3 60
Canadian pitcher spout.....	1 40	2 10

PUNCHES.

Saddlers', per doz.....	1 00	1
Conductors' "	9 00	15 00
Tinners', solid per set.....	0 00	0 72
" hollow per inch	0 00	1 00

RANGE BOILERS.

	Net.
Dominion, 30 gal.	5 75
Dominion, 35 "	6 75
40 "	7 75
Ronald's Galvanized, 30 gallons	6 50
" " 35 "	7 50
" " 40 "	8 50
Copper, 30 gallons.....	20 00
" 35 "	23 20
" 40 "	26 40

RAKES.

Wood, 10 per cent.

RAZORS.

	per doz.	
Elliot's	4 00	18 00
Geo. Butler & Co.'s.....	4 00	18 00
Boker's.....	7 50	11 00
" King Cutter.....	12 50	50 00
Wade & Butcher's	3 60	10 00
Theile & Quack's.....	7 00	12 00
Bailey's	6 00	12 00
Carbo Magnetic Razor	....	15 00
Griffon Barbers' Favorite	....	10 75
Griffon No. 65.....	....	13 0
Griffon Safety Razors.....	....	1 50
" Stropping Machines.		13 50

All other razors 50 p.c. off catalogue price.

REGISTERS.

Discount ..... 40 per cent

RIVETS AND BURRS.

Iron Rivets, black and tinned, discount 60 and 10 per cent.
Iron Burrs, discount 55 per cent.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets with usual proportion burrs, 45 and 10 dis., cartons, 1c. per lb. extra, net.
Copper Burrs only, 30 and 10 p.c.
Extras on Tinned or Coppered Rivets, ½-lb. cartons, 1c. per lb.

RIVET SETS.

Canadian, dis. 35 to 37½ per cent.

ROPE, ETC.

Sisal	12½
Pure Manilla.....	16
"British" Manilla.....	14
Cotton, 3-16 inch and larger.....	16
" 5-32 inch....	21
" ⅛ inch	22
Russia Deep Sea.....	15
Jute.....	8
Lath Yarn	11

Sisal bed cord, 48 ft .... per doz.	65
" " 60 f..... "	80
" " 72 ft..... "	95

RULES.

Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS. per set.

Mrs. Potts, No. 55, polished.	65
" No. 50, nickle-plated.	75

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 5 per cent.
Emery, 40 per cent.
Garnet (Rurton's), 5 to 10 p.c. advance on list.

SAP SPOUTS.

Bronzed iron with hooks, per doz. 9 50

SAWS.

Hand Disston's, dis. 12½ p.c.
S. & D., 40 per cent.

Crosscut, Disston's, per ft..	0 35	0 55

S. & D., dis. 35 p.c. on Nos. 2 and 3.

Hack, complete, each	0 75	2 75
" frame only		0 75

SASH WEIGHTS.

Sectional, per 100 lbs.....	2 25	2 50
Solid, "	1 75	2 00

SASH CORD.

Per lb.....	0 23	0 30

SAW SETS

Lincoln and Wh ting, per doz.	4 75
Hand Sets, No. 1 Woodyatt (Morrill)	4 25
X-cut S ts, No. 3 Woodyatt (Morrill)	9 50

SCALES.

Standard, 45 p.c.
Spring Balances, 10 p.c.
Fairbanks Standard, 35 p.c.
" Dominion, 55 p.c.
" Richelieu, 55 p.c.
Warren's new Standard 45 p.c.
" " Champion 55 p.c.

SCREW DRIVERS.

Sargent's per doz.....	0 65	1 00

SCREWS.

Wood, F.H., bright and steel, 87½ and 10 p.c.
Wood R. H., " dis. 82½ and 10 p.c.
" F. H., brass dis. 80 and 10 p.c.
Wood, R. H., " dis. 75 and 10 p.c.
" F.H., bronze, dis. 75 p.c.
" R.H. " 70 p.c.
Drive Screws, 87½ and 10 per cent.
Bench, wood, per doz. 3 25 4 00
" iron, " 4 25 5 75
Set, Case hardened, 60 per cent.
Square Cap, 50 and 5 per cent.
Hexagon Cap, 45 per cent.

SCYTHES.

Per doz., net..... ..... 9 00

SCYTHE SNATHS.

Canadian, dis. 45 p.c.

SHEARS.

Bailey Cutlery Co., full nickeled, dis. 60 and 2½ p.c.
Bailey Cutlery Japan handles, 67½ p.c.
Seymour's, dis. 50 and 10 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SINKS.

Steel and galvanized, discount 45 per cent.

SNAPS.

Harness, German, dis. 25 p.c.		
Lock, Andrews'	4 50	11 50

SOLDERING IRONS.

1, 1½ lb., per lb.....	0 37
2 lb. or over, per lb.....	0 34

SQUARES.

Iron, No. 493, per doz.	2 40	2 55
" Mo. 494, "	3 25	3 40

Steel, dis. 60 10 and 5 p.c.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.

Plain, dis., 75 and 12½ p.c. off revised st
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized.....	3 50	4 00
Plain..	3 25	3

Coopers', discount 45 per cent.
Poultry netting staples, 40 per cent.

STANDARD CHAIN CO., PITTSBURGH, U. S. A.

MANUFACTURERS OF **CHAIN** OF ALL KINDS.

Proof Coil, B.B., B.B.B., Crane, Dredge Chain, Trace Chains, Cow Ties, etc.

ALEXANDER GIBB, Montreal. —Canadian Representatives— A. C. LESLIE & CO., Montreal.

For Provinces of Ontario and Quebec. For other Provinces.

STOCKS AND DIES.

American dis. 25 p.c.

STONE.	Per lb.	
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip,	0 09	0 09
Labrador	....	0 13
" Axe	....	0 15
Turkey	....	0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, 2 in, 40 to 200 lb, per ton	....	25 00
" under 40 lb. "	....	28 00
Grind. under 2 in. thick "	....	29 00

STOVE PIPES.

5 and 6 inch Per 100 lengths	7 00
7 inch " "	7 50

ENAMELINE STOVE POLISH.

No. 4—3 dozen in case, net cash	$4 8
No. 6—3 dozen in case, "	8 40

TACKS, BRADS, ETC.

Cheese-box tacks, blued .....80 & 12½
Trunk tacks, black and tinned 85
Carpet tacks, blued .....80 & 15
" " tinned .....80 & 20
" " (in kegs) 40
Cut tacks, blued, in dozens only ..80
" ¼ weights..... 60
Swedes cut tacks, blued and tinned—
In bulk..... .....80 & 10
In dozens..... 75
Swedes, upholsterers', bulk....85, 12½ & 12½
" brush, blued & tinned, bulk..70
" gimp, blued, tinned and japanned ....75 & 12½
Zinc tacks 35
Leather carpet tacks 55
Copper tacks 50
Copper nails 52½
Trunk nails, black.....65 and 5
Trunk nails, tinned.....65 and 10
Clout nails, blued .....65 and 5
Chair nails 35
Patent brads 40
Fine finishing..... 40
Lining tacks, in papers 10
Lining tacks, in bulk 15
" " solid heads, in bulk.... ... 75
Saddle nails in papers..... 10
" " in bulk..... 15
Tufting buttons, 22 line, in dozens only 60
Tin capped trunk nails..... 25
Zinc glazier's points..... 5
Double pointed tacks, papers.....90 and 10
" " " bulk 40

TAPE LINES.

English, ass skin, per doz....	2 75	5 00
English, Patent Leather....	5 50	9 75
Chesterman's each.....	0 90	2 85
" steel, each	0 80	8 00

TINNERS' SNIPS.

Bailey's, dis. 25 p.c.

THERMOMETERS.

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TRAPS. (Steel.)

Game, Newhouse, dis. 25 p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's discount 10 per cent.

German, per doz.....	4 75	6 00

S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb.....	....	0 27
Wrapping, cotton, 3-ply.....		0 18½
" " 4-ply.....	....	0 23½
Mattress, per lb.....	0 33	0 45
Staging, "	0 27	0 35

VISES.

Wright's	....	0 13½
Brook's	....	0 12¾
Pipe Vise, Hinge, No. 1.....	....	3 50
" " No. 2	....	5 50
Saw Vise	4 50	9 00

ENAMELLED WARE.

White, Princess, Turquoise, Blue and White, discount 50 per cent.
Diamond, Famous, Premier, 50 and 10 p.c.
Granite or Pearl, Imperial, Crescent, 50, 10 and 10 per cent.

WIRE.

SMOOTH STEEL WIRE.

No. 0-9 gauge		$2 60
10 "	6c.	extra.
11 "	12c.	"
12 "	20c.	"
13 "	30c.	"
14 "	40c.	"
15 "	55c.	"
16 "	70c.	"

Add 60c. for coppering and $2 for tinning.

Extras net per 100 lb. — Oiled wire 10c., spring wire $1.25, special hay baling wire 30c., best steel wire 75c., bright 8 ft drawn 15c., charcoal (extra quality) $1.25, packed in casks or cases 15c., bagging and papering 10c., 50 and 100-lb. bundles 10c., in 25-lb. bundles 15c., in 5 and 10-lb. bundles 25c., in 1-lb. hanks 50c., in ½-lb. hanks 75c., in ¼-lb. hanks $1.

Fine Steel Wire, dis. 22½ per cent List of extras : In 100-lb. lots : No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, 7.65—No. 24, $8—No. 25, $9—No. 26 $9.50—No. 27, $10—No. 28, $11 No. 29. $12—No. 30, $13—No. 31, $14—No. 32 $15, No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31 $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles. 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Galvanized Wire, per 100 lb.—Nos. 6,7 8, $3.50 to $3 85—No. 9, $2.85 to $3.15—No. 10, $3.60 to $3.95—No. 11, $3.70 to $4.10—No. 12, $3 to $3.30—No. 13, $3.10 to $3.40—No. 14, $4.10 to $4.50—No. 15, $4.60 to $5.05—No. 16. $4.85 to $5 35. Base sizes, Nos. 6 to 9 $2.52½ f.o.b. Cleveland.
Clothes Line Wire, regular 7 strand No. 17, $4.65; No. 18, $2.90; No. 19, $2.60. Hollow 6 strand, No. 17, $1.30; No. 18. $2.70, No. 19, $2.35; No 20, $2.30, f.o.b. Hamilton, Toronto Montreal.

WIRE FENCING.

Galvanized barb	....	3 00
Galvanized, plain twist.....	....	3 00

Galvanized barb, f.o.b. Cleveland, $2.77½ in less than carlots, and $2.65 in carlots

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net..	1 25

WASTE COTTON.

	per lb.
Colored.....	6
White	8

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 60 p.c.
Coe's Genuine, dis. 20 to 25 p.c.

Towers' Engineer, each.....	2 00	7 00
" S., per doz.....	5 80	6 00
G. & K.'s Pipe, per doz.....	....	3 40
Burrell's Pipe, each.....	....	3 00
Pocket, per doz.....	0 25	2 90

WRINGERS.

Leader..... per doz.	$30 00	33 00
Royal Canadian.. "	....	24 00
Royal American., "	....	24 00
Sampson..... "	....	24 00

Terms 4 months, or 3 p.c. 30 days.

WROUGHT IRON WASHERS.

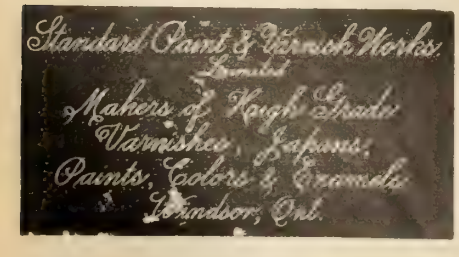
Canadian make, discount, 40 per cent.

ADVERTISING in WESTERN CANADA

will be Carefully Efficiently, and Promptly attended to, by

The Roberts Advertising Agency,

WINNIPEG CANADA.



"PULLMAN"

TROUSER or SKIRT HANGERS.

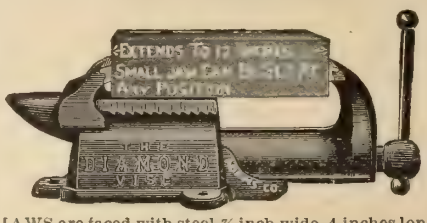
TWO SIZES

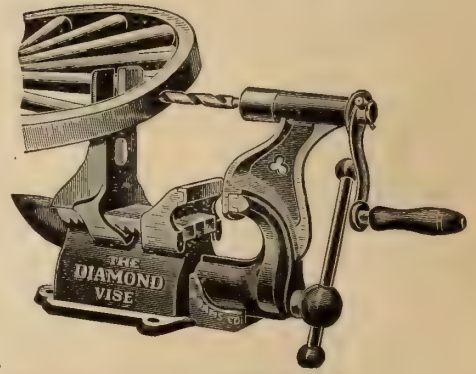


PULLMAN SASH BALANCE CO.,
ROCHESTER, N.Y., U.S.A.

DIAMOND VISE AND DRILLING ATTACHMENT

U. S. Patent Jan. 15, '95. Canadian Patent July 22, '95.





JAWS are faced with steel ⅜ inch wide, 4 inches long, firmly fastened to jaw, checked and hardened.
VISE weighs 38 pounds. DRILL weighs 13 pounds.
For Sale by Jobbers of Hardware.

Made by—
The Adams Company, Dubuque, Iowa, U.S.A.
Made by **A. R. Woodyatt & Co.,** Guelph, Ont.

CELEBRATED **HEINISCH** SHEARS.

Tailors' Shears,
Trimmers, Scissors,
Tinners' Snips, etc.



ACKNOWLEDGED THE BEST.

R. HEINISCH'S SONS CO.

NEW YORK OFFICE, 90 Chambers St.
NEWARK, N.J., U.S.A.

Not connected with any Shear Co. combination.



Ontario Nut Works, Paris

BROWN & CO.

Manufacturers of

All sizes of Hot Pressed Nuts, Square and Hexagon.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker,
13 St. John Street, Montreal

Representing British and American Manufacturers. Correspondence invited from firms wishing to be represented in Canada.

"THE EMLYN" SAW BENCH

Made in 6 sizes. Best value obtainable. Specially designed for export With or without "Emlyn" Patent Guard. Sole maker—

CHARLES D. PHILLIPS,

Cables—"Machinery," Newport. Emlyn Engineering Works, NEWPORT, MON., ENGLAND.

ONTARIO SILVER CO.,

Limited,

NIAGARA FALLS, CANADA.

Manufacturers of **FLATWARE, CUTLERY and ELECTRO PLATE. . . .**

Ask for our Catalogue and Quotations.

The Batty Stove & Hardware Co.

Successors to

The Toronto Branch of THE COPP BROS. CO., Limited.

Wholesale dealers in

MANTELS, GRATES, TILES, ETC.

HOT-AIR REGISTERS.

HOT-AIR DAMPERS.

STOVE AND FURNACE CEMENT: 3½ and 5-lb. Cans.

STOVE POLISH. STOVE REPAIRS.

THE BATTY STOVE & HARDWARE CO.

279 Queen West, TORONTO.

HAND-FORGED **HAND-GROUND**

BUTCHER KNIVES

Made from Best English Double Shear Steel



Fully Warranted

STANDARD SHAPES AND HIGHLY POLISHED

Also

Steel-Laid Shears and Scissors and Hand-Forged Razors

Made by

BAILEY CUTLERY CO., LIMITED

Write for Catalogue. **BRANTFORD, CANADA.**

CHAS. F. CLARK, President. **JARED CHITTENDEN, Treasurer.**

...ESTABLISHED 1849...

BRADSTREET'S

Capital and Surplus, $1,500,000. **Offices Throughout the Civilized World.**

Executive Offices: Nos. 346 and 348 Broadway, New York City, U.S.A.

THE BRADSTREET COMPANY gathers information that reflects the financial condition and the controlling circumstances of every seeker of mercantile credit. Its business may be defined as of the merchants, by the merchants, for the merchants. In procuring, verifying and promulgating information, no effort is spared, and no reasonable expense considered too great, that the results may justify its claim as an authority on all matters affecting commercial affairs and mercantile credit. Its offices and connections have been steadily extended, and it furnishes information concerning mercantile persons throughout the civilized world.

Subscriptions are based on the service furnished, and are available only by reputable wholesale, jobbing and manufacturing concerns, and by responsible and worthy financial, fiduciary and business corporations. Specific terms may be obtained by addressing the Company at any of its offices. **Correspondence Invited.**

——OFFICES IN CANADA——

HALIFAX, N.S.	HAMILTON, ONT.	LONDON, ONT.	MONTREAL, QUE.
OTTAWA, ONT.	QUEBEC, QUE.	ST. JOHN, N.B.	TORONTO, ONT.
VANCOUVER, B.C.	VICTORIA, B.C.	WINNIPEG, MAN.	

THOS. C. IRVING, Gen. Man. Western Canada, Toronto. JOHN A. FULTON, Gen. Man. Eastern Canada, Montreal.



Canadian Representative: ALEXANDER GIBB, 13 St. John St., MONTREAL.

75 YEARS. ***ESTABLISHED 1825.*** ***75 YEARS.***

BEAMS CHANNELS ANGLES PLATES

1,500 TONS FOR SALE

All of this material in lengths from 40 to 60 feet.
We can ship promptly, and should be pleased to receive your order.
Prices and stock lists on application.

STEEL FRAME BUILDINGS and ROOF TRUSSES.

Also Steel Bridges for Railways and Highways.

THE HAMILTON BRIDGE WORKS COMPANY

LIMITED

Long Distance Telephone, Hamilton 630. **HAMILTON, CANADA.**



Est. 1868 Inc. 1895

Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve Medals



Awarded
By **JURORS** at
International Expositions
Special Prize
Gold Medal at Atlanta, 1895



RUBBER HOSE

FOR

Water	Air	Suction
Steam	Acids	Fire Protection
Gas	Brewers	Pneumatic Tools

SUPERIOR IN QUALITY.
SATISFACTORY IN SERVICE.

When you want anything made of rubber, write to us.

THE GUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

Head Office and Warerooms—
45-47-49 West Front St.

TORONTO,

Factories - 115-165 West Lodge Ave.
124-148 O'Hara Ave.

CANADA.

We can quote lowest prices for the following goods in quantities, viz.:

BLACK STEEL SHEETS.
POLISHED STEEL SHEETS.
RANGE STEEL.
GALVANIZED SHEETS.
CANADA PLATES.
SHEET COPPER.
SHEET ZINC.
TIN PLATES—Coke and Charcoal.
WINDOW GLASS.
PLATE GLASS.
WHITE LEAD.
RED LEAD.

Send us your enquiries when next in the market.

B. & S. H. THOMPSON & CO.

53 St. Sulpice Street,

MONTREAL.

VARNISHES AND JAPANS

McCASKILL, DOUGALL & CO.

Manufacturers MONTREAL



Standard Railway and Carriage Varnishes
Standard Boat and Spar Varnishes
—Wont turn white from the effects of water and sun.
Standard Piano, Furniture and Decorative Varnishes
Zanzerine Transparent Wood Finishes and Varnishes
Architectural Varnishes

OFFICES:

30 St. John St., MONTREAL.

161 Summer St., BOSTON, Mass., U.S.A

Don't pay for a fantastical name. Get practical worth by using
LANGWELL'S BABBIT
MONTREAL.

CANADIAN
HARDWARE
AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XIV. MONTREAL AND TORONTO, APRIL 12, 1902 NO. 15.

POCKET KNIVES
H. BOKER & COS
IMPROVED
TREE BRAND
TRADE MARK
RAZORS CUTLERY SCISSORS
FOR SALE BY LEADING WHOLESALE HARDWARE HOUSES.

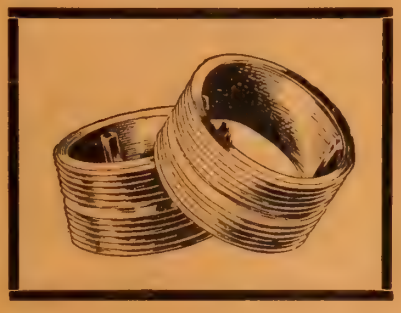
It's "Queen's Head."



That's all you need to know about Galvanized Iron.

JOHN LYSAGHT, Limited, Makers, BRISTOL, ENG.
A. C. LESLIE & CO., MONTREAL, Managers Canadian Branch.

"That Made the Hit"



This is a drawing of the Patent Connection that made the "SAFFORD" famous the world over; that revolutionized radiator building; that made it possible to put a radiator together without bolts, red lead, rods or packing.

The "SAFFORD" is the only radiator on the market for hot-water and steam heating. It means satisfaction every time—is easy to handle for the contractor.

If you have not our Catalogue, write to us.

THE DOMINION RADIATOR CO., Limited
Head Office and Works: DUFFERIN ST. TORONTO, CAN.

BICYCLE SUNDRIES

We have purchased several

Bankrupt Stocks and offer **Special Prices**

while they last on

TIRES, INNER TUBES, Etc.

RICE LEWIS & SON

LIMITED

Write for Catalogue.

TORONTO.

CRUCIBLES

Prompt Shipment. **Write for Prices.**

M. & L. SAMUEL, BENJAMIN & CO.

27 Wellington St. West, TORONTO, ONT.

English House: SAMUEL, SONS & BENJAMIN, 164 Fenchurch St., LONDON, E.C.

THEY'RE ALL ALIKE

THAT'S THE BEAUTY OF THE

CARBO MAGNETIC

ALL JUST ALIKE



No Saw Edges
No Soft Spots
No Temper Streaks
No Returned Blades to the Dealer
Will Shave for Years Without Requiring Honing

Sold by all Leading Jobbers.

FIRM OF

A. L. SILBERSTEIN

Mfrs of "Griffon" CUTLERY

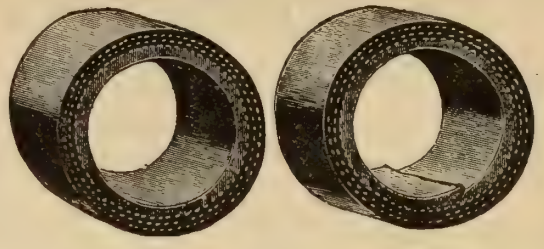
BOOKLET COMING— if you'll ask for a copy with trade discount.

459-461 Broadway, NEW YORK CITY.

GARDEN HOSE

Seamless Tube.

SEAMLESS TUBE LAPPED TUBE



All brands of our **GARDEN HOSE** are made with our

Patent Seamless Tube

WRITE FOR DISCOUNTS.

The Canadian Rubber Co.

MONTREAL TORONTO WINNIPEG

Other Tools are very good Tools, but

"YANKEE TOOLS"

ARE BETTER



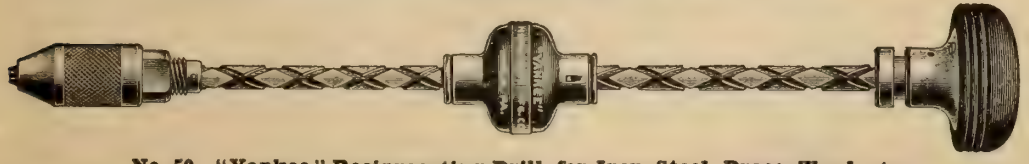
No. 15. "Yankee" Ratchet Screw Driver, with Finger Turn on Blade.



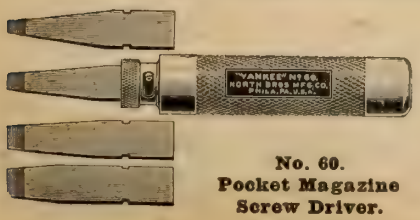
No. 30. "Yankee" Spiral-Ratchet Screw Driver, Right and Left Hand.



No. 41. "Yankee" Automatic Drill, Eight Drill Points in Handle.



No. 50. "Yankee" Reciprocating Drill, for Iron, Steel, Brass, Wood, etc.



No. 60. Pocket Magazine Screw Driver.

Our "YANKEE" Tool Book tells all about them. Mailed free on application. . . . . .

Manufacturers also of

LIGHTNING, GEM and BLIZZARD Ice Cream Freezers.

Toy Freezers, Ice Shaves and Ice Chippers.

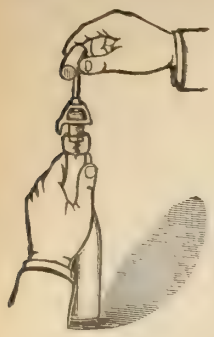
Fluting Machines, Hand Fluters.

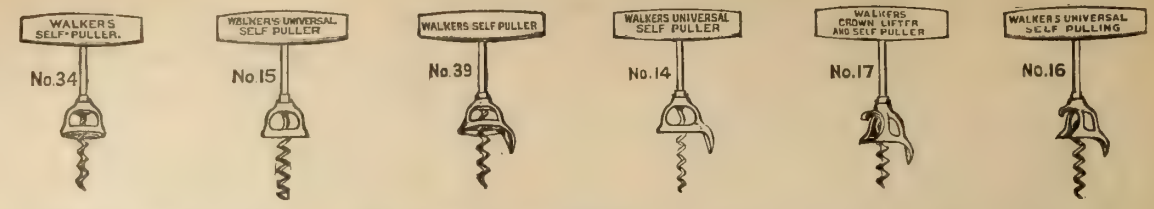
Sold by Leading Jobbers in Canada.

NORTH BROS. MFG. CO.,

Philadelphia, Pa., U.S.A.

See! You Don't Have to Pull. A Child Can Do It.



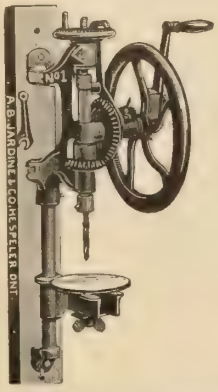


Walker's Self-Pulling Cork Screws

Made of Crucible Steel, Nickel Plated, Polished Apple Wood Handles.

EVERY ONE TESTED AND GUARANTEED. Several imitations on the market, but none as good.

Mfrd. only by ERIE SPECIALTY CO., Erie, Pa., U.S.A.



TRADE MARK J REGISTERED

Blacksmiths' Hand Drills.

The very best.

A. B. JARDINE & CO.
HESPELER, ONT.

Lockerby & McComb

AGENTS IN CANADA

FOR THE

Celebrated P. & B. Cold Storage Lining

AND

. . Ruberoid Roofing . .

P. S.--Prices on Application.

65 Shannon Street, MONTREAL.

DEALERS

Do you sell the "GLORIA" Light?

WHY NOT?

Our goods are the best—our prices are the lowest. Our "United Gloria" Triple Weave Mantle is the strongest and most brilliant mantle in the market. We manufacture it and know when we sell it it will bring repeat orders. We manufacture "United" Single Weave and Gasoline Mantles and carry a large stock of Burners, Chimneys, Bulb Globes, Fancy Etched and Ruby Globes.

SEND FOR PRICE LIST.

THE UNITED INCANDESCENT LIGHT CO.
Phone Main 969. 7 Yonge St. Arcade, Toronto.

LABELS

Every Description Shape and Colors

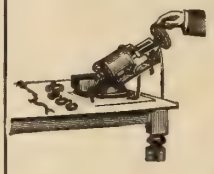
Stock Labels for Hardware trade

LEVY & CO., 19 Leader Le,. TORONTO

To Machine Manufacturers

We are prepared to take up a sole agency for any class of machinery. Send lists and best terms to

THOS. CUDLIPP & CO., (15)
8 Church St., Edgware Rd., London, E.C., Eng.



G. A. Crosby & Co. of Ontario, LIMITED

SARNIA, ONT.

Manufacturers of

Patent Automatic Can Making Machinery, Presses, Dies and Special Machinery for Working Sheet Metal.

The Frost Wire Fence Company, Limited

WELLAND, ONT.

FACTORIES AT CLEVELAND, OHIO, AND WELLAND, ONT.

MAKERS OF **Frost Fencing, Frost Steel Gates, and Coiled Spring Wire.**

CLOSEST PRICES QUOTED ON APPLICATION.

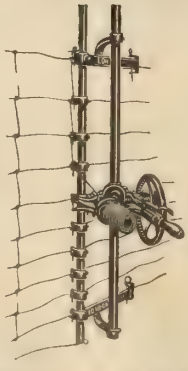
STANYON ENGINEERING CO.

402 McKINNON BUILDING,
Phone Main 2177. TORONTO

CONTRACTING AND CONSULTING ENGINEERS.

Steel Works, all kinds of Rolling Mills, Wire Mills, etc., all built complete. Machinery designed for any purpose

GENERAL OFFICES, - - PITTSBURG, Pa.



LONDON FENCE MACHINES

Are so light, durable and practical, and so easily and rapidly operated, that farmers cannot help seeing that they are unlike any of the big, clumsy and costly machines which have been on the market.

The LONDON builds the highest standard of coiled spring woven wire fence, and as it will more than pay for itself the first year, our machines find quick sales and fast friends.

The agency for the LONDON will pay the dealer, and never fails to draw custom and please the purchaser.

Our Spring Catalogue will be out shortly and a copy will be forwarded on request. Write for our trade prices on coiled spring wire.

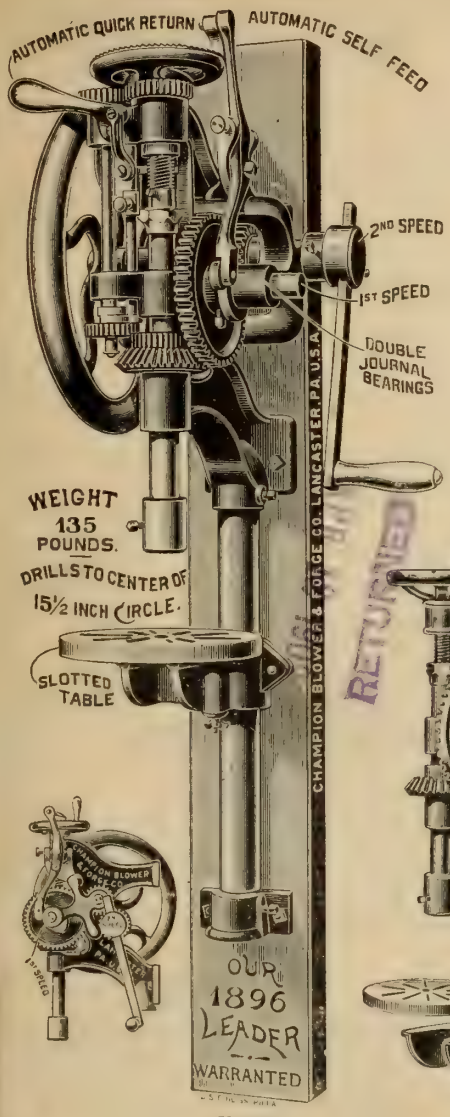
THE LONDON FENCE MACHINE CO., Limited.
LONDON, ONTARIO.

The kind that are used in all the best equipped shops.

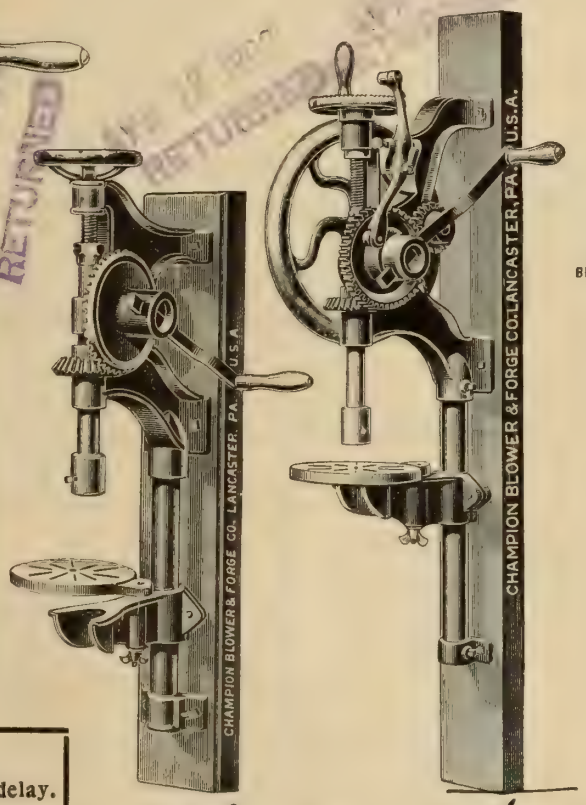
CHAMPION POST DRILLS

IF YOU HAVEN'T THE **CHAMPION** YOU HAVEN'T THE BEST

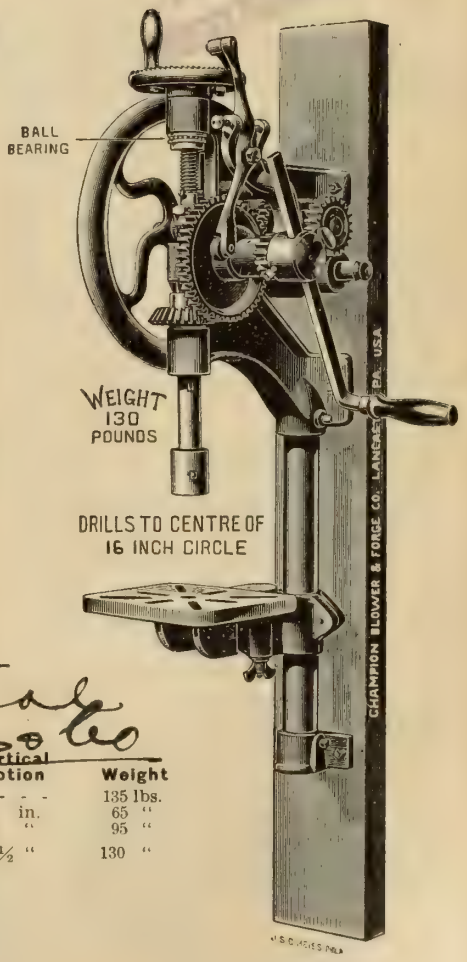
THEY RUN SO EASY.



No. 96.



No. 92



No. 98

Orders reaching us to-day Filled and Shipped without delay.

all sent to Montreal office for Lewis Bros. Ltd

No.	Speeds	Gear	Feed	Drills holes to	Centre of circle	Size Drill	Vertical motion	Weight
96	Two	Back	Self	1¼ in.	15½ in.	½ in. SHANK	- - - -	135 lbs.
92	One	- - -	Hand	¾ "	14 "	½ " "	3 in.	65 "
98	"	Back	Self	1 "	14 "	½ " "	3 "	95 "
BALL BRG.	Two	"	"	1¼ "	16 "	½ " "	3½ "	130 "

No. 96 is fitted with patent quick return drill feature.

Nos. 92 and 98 have bearings all ground out of solid metal.

Ball Bearing.

The ball bearing drill effects a saving in power of from 20 to 50 per cent., depending on size of hole to be bored. Is also fitted with double journal bearings to all working parts.

LEWIS BROS. & CO.

TORONTO
87 York Street.

MONTREAL.

OTTAWA
54 Queen Street.

HENRY ROGERS, SONS & CO.,

SHEFFIELD, ENGLAND

Manufacturers of the celebrated



H R S & C°

PLAIN AND BARB WIRE
TINPLATES
"ROGERS" COKES
"H. R. S & CO." CHARCOAL
BLACK AND GAL'D CANADAS
"H. R. S. & CO."

Canadian Office:

6 ST. SACRAMENT ST., MONTREAL

F. A. YORK, Manager.

ROBLIN'S PATENT MILKING PAILS.



Latest and Best.

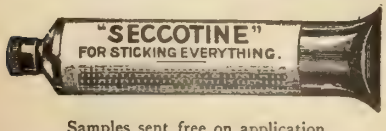
These pails are made of IX old method Tin, with patent locking attachment on cover so milk cannot spill, also furnished with strainer in cover, keeping milk pure.

Manufactured by

E. T. WRIGHT & CO., Hamilton and Montreal.

KNOX HENRY

Heavy Hardware and Metal Broker
Room 32 Canada Life Bldg., MONTREAL.



Samples sent free on application.

HORSE NAILS—"C" Brand Horse – Nails Canada Horse Nail Co.

"BRASSITE" GOODS — Gunn Castor Co. Limited, Birmingham, Eng.

STANDARD TIN WORKS...

MANUFACTURERS OF

TINWARE AND TIN CANS

Fruit Cans, Meat Cans, Jacketed Oil Cans, Baking Powder Cans, Lard Pails, Etc.

JAS. A. McGOLPIN

156-162 Duke Street, TORONTO

The Papers are Telling

about the great advantages of CHURCH'S COLD WATER

ALABASTINE

For tinting and decorating walls and ceilings. In other words, we are doing a lot of general newspaper advertising.

ALABASTINE is the acknowledged standard wall-coating

THE WORLD OVER

Because it is **PERMANENT,** Easily Applied and **SELLS ON ITS OWN MERITS.** Is it worth while to spend time trying to sell worthless imitations that have no record of value or proof of origin?

ALABASTINE is made in Canada, by Canadian labor, and from rock taken out of Canadian mines. See that your assortment is complete.

The jobber who sells it, the dealer who buys,
The painter and decorator, the people likewise
Proclaim "For the walls of a cottage, to the palace of a queen,
"There is nothing so suitable as ALABASTINE."

ALABASTINE is for sale by Wholesale Hardware and Paint Dealers. Manufactured by

THE ALABASTINE CO., LIMITED, PARIS. ONT.

FILES. RASPS.

WE ARE NOT IN THE TRUST.

Quality of our goods guaranteed and our discounts very liberal. A trial order solicited. Write for discounts.

99 Niagara St., TORONTO FILE CO.

CANADIAN GOODS FOR CANADIANS.

STEVENS SINGLE BARREL SHOT GUN.

LATEST AND BEST SINGLE GUN ON THE MARKET.



MADE IN THREE STYLES THREE GAUGES UP-TO-DATE.

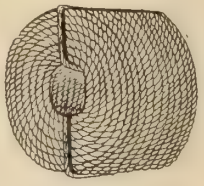
FINEST SINGLE GUN YET PRODUCED.

Our Goods are Handled by the Leading Jobbers.

J. Stevens Arms & Tool Co., P.O. Box 217 Chicopee Falls, Mass., U.S.A.

THE INDEPENDENT CORDAGE CO., Limited,

TORONTO.



Highest Award Pan-American Exposition.

MANUFACTURERS OF ALL KINDS OF

SISAL MANILA **ROPE,** Lath Yarn, Shingle Yarn, Hide Cord, Pulp Cord, Clothes Lines **BINDER TWINE**

Transmission Rope a Specialty.

H. & R. SINGLE GUN AUTOMATIC AND NON-EJECTING.

12 and 16 Gauges.
Steel and Twist Barrels.

Superior in Design, Workmanship and Finish, and the most popular Gun on the Market.

Simplest "Take Down" Gun Made.



HARRINGTON & RICHARDSON ARMS CO.

Also makers of H. & R. Revolvers,

Catalog on request. Worcester, Mass., U.S.A.

WINDOW GLASS—TO IMPORT.

Prompt Deliveries

EVERY KIND OF PLATE AND WINDOW GLASS IN STOCK.

BENT GLASS of all kinds, our own manufacture. **Closest Prices.**

TORONTO PLATE GLASS IMPORTING CO.,

Hill & Rutherford

Warerooms and Offices—135 to 143 Victoria St.
Bending Works—209 to 213 Victoria St.

TORONTO

Use Syracuse Babbitt Metal

IT IS THE BEST MADE.



For Paper and Pulp Mills, Saw and Wood Working Machinery, Cotton and Silk Mills, Dynamos, Marine Engines, and all kinds of Machinery Bearings.

Wire, Triangular and Bar Solder, Pig Tin, Lead, Ingot Copper, Ingot Brass, Antimony, Aluminum, Bismuth, Zinc Spelter, Phosphor Tin, Phosphor Bronze, Nickle, etc., always in stock.

CANADIAN WORKS, MONTREAL, P.Q.
AMERICAN " SYRACUSE, N.Y.

Syracuse Smelting Works



Steel Frame Churn.

DAVID MAXWELL & SONS

ST. MARYS, ONT., CANADA.

"Maxwell Favorite Churn"

PATENTED FEATURES: Improved Steel Stand, Roller Bearings, and Foot and Hand Lever Drive, and Detachable Driving Link. Improved for season of 1902. Steel or Wood Frame as desired.

Lawn Mowers.

High and Low Wheels. from 12-in. to 20-in, widths. Cold Rolled Steel Shafting, Crucible Steel Knives and Cutting Plate.

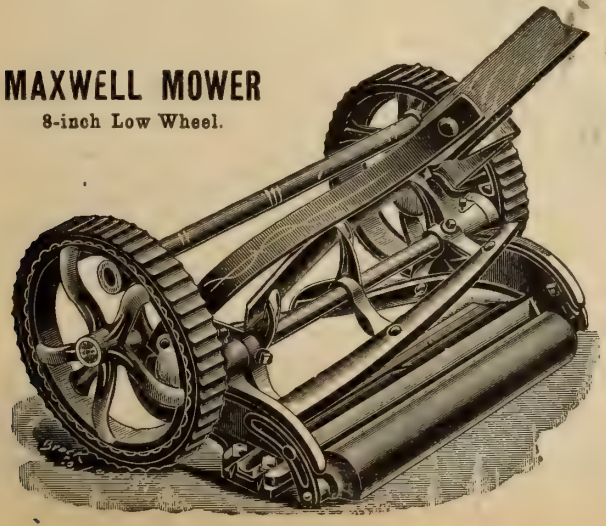
If your Wholesale House does not offer you these articles

SEND DIRECT TO US.

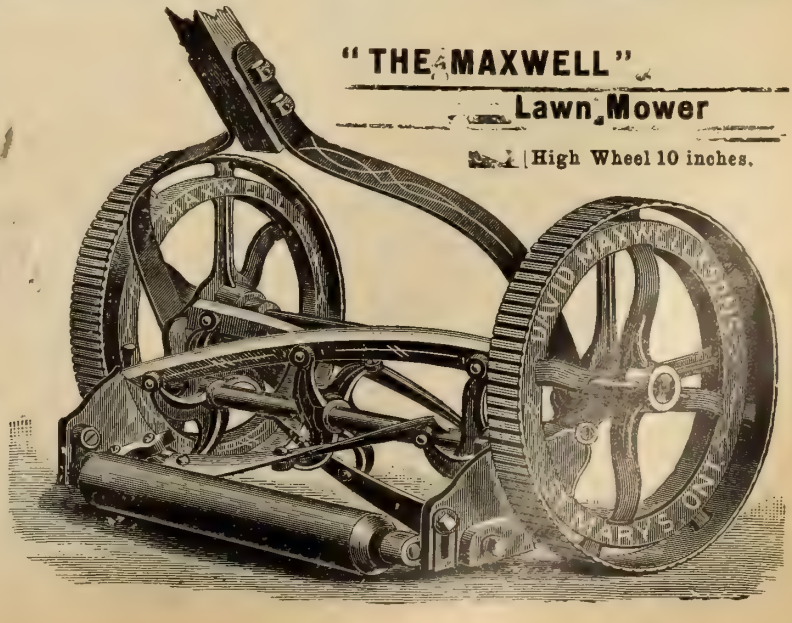
Wheelbarrows.

In Four different Sizes.

MAXWELL MOWER
8-inch Low Wheel.



"THE MAXWELL"
Lawn Mower
High Wheel 10 inches.



The Selling Qualities

Of our splendid range

The Imperial Oxford

make them the most desirable stock you can handle.

THEIR DIFFUSIVE FLUE CONSTRUCTION
FRONT DRAW-OUT GRATE
OVEN THERMOMETER
DRAW-OUT OVEN RACK

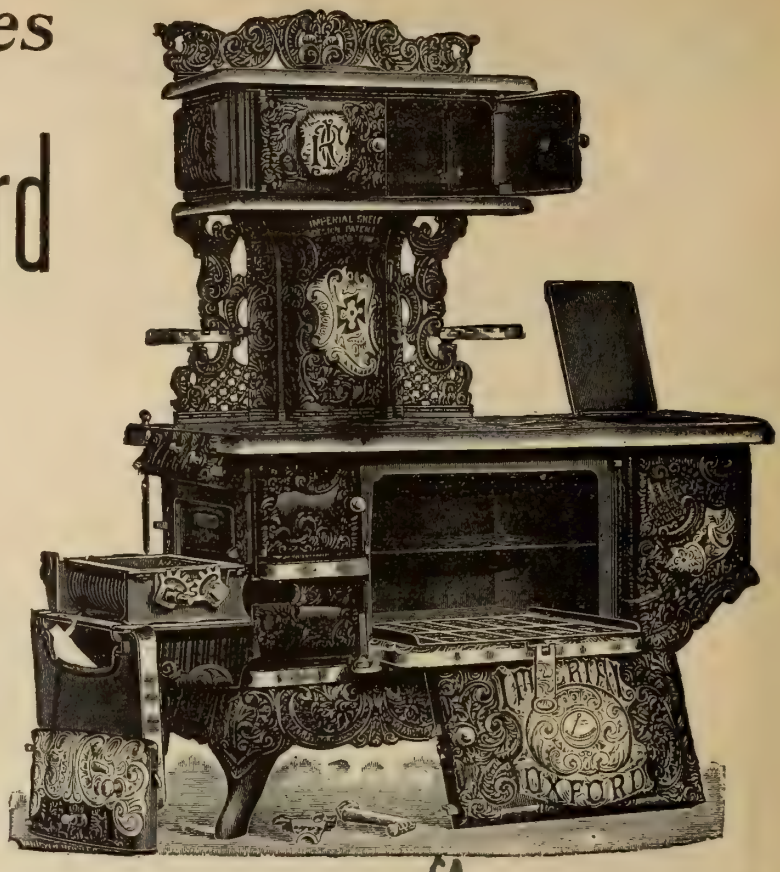
and other improved features, give them a quickly appreciated precedence over other ranges.

Housewives everywhere praise them enthusiastically.

Customers realize their superiority on sight—sales are easy.

They're the popular range of Canada.

Send us your order at once.



THE GURNEY FOUNDRY CO., Limited

TORONTO. WINNIPEG. VANCOUVER.

THE GURNEY-MASSEY CO., LIMITED, MONTREAL.



Australasian Hardware and Machinery.

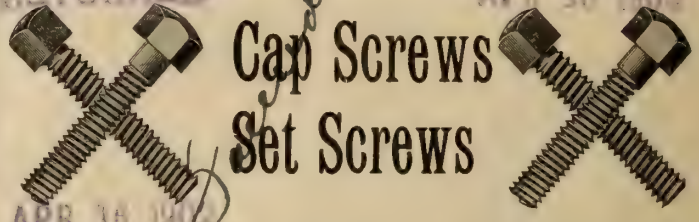
The Organ of the Hardware, Machinery and Kindred trades of the Antipodes.

SUBSCRIPTION $1.25 PER ANNUM,

post free to any part of the world.

PUBLISHING OFFICES:
Melbourne - Fink's Buildings.
Sydney, - - - Post Office Chambers.
AMERICAN OFFICES:
New York, - Park Row Building.
BRITISH OFFICES:
London, - - - 42 Cannon St., E.C.

Specimen Copies on application.



Cap Screws
Set Screws

CANADA FOUNDRY COMPANY.
LIMITED.

MACHINE SCREW DEPARTMENT

HEAD OFFICE: TORONTO, ONT.

DISTRICT OFFICES:

MONTREAL, HALIFAX, WINNIPEG, VANCOUVER, OTTAWA, ROSSLAND, B.C.

MANUFACTURERS OF

Machine Screws,
Studs, Coupling Bolts,
Special Milled Work, etc.

SEND FOR PRICE LIST NO. 1001



COLD PRESSED
Square and Hexagon
NUTS



It is the quality of our

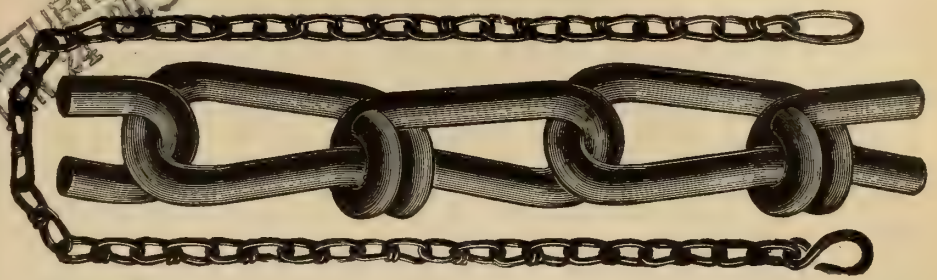
Peerless Axe . .

that causes a growing demand for it in Single and Double Bit.



Dundas Axe Works, Dundas, Ont.
W. L. Haldimand, Jr., Montreal Agent.

BROWN'S PATENT STEEL WIRE CHAIN.
PATENT NO. 32840.



If you are interested in chains examine carefully the perfect mechanical construction of the Brown's. It is the most perfect chain made. We make it in 13 sizes. We use it exclusively in all our Halter, Dog, Tie-out, Cattle, Trace Chains, etc. You will make no mistake in handling our line exclusively.

THE B. GREENING WIRE CO., LIMITED
Hamilton and Montreal.

ESTABLISHED 1882

G. F. STEPHENS & CO.

INCORPORATED 1901

Manufacturers, Importers and Jobbers LIMITED

PAINTS, OILS, VARNISHES, BRUSHES, ETC.,

PLATE AND WINDOW GLASS

AND ALL PAINTERS' AND GLAZIERS' REQUISITES.
We carry the largest stock of these goods in Western Canada.

PROMPT SHIPMENT. CAREFUL ATTENTION. CLOSE PRICES.

174-176 Market Street — WINNIPEG.

THE

EDINBURGH ROPERIE & SAILCLOTH Co Ld

ESTABLISHED 1750

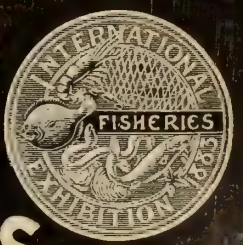
LEITH SCOTLAND

(TELEGRAPHIC ADDRESS ROPERIE)



MANUFACTURERS OF EVERY DESCRIPTION OF





CORDAGE & CANVAS



MANILA ROPE
SISAL ROPE
NEW ZEALAND ROPE
RUSSIAN ROPE
JUTE ROPE
FISHING LINES
NETTING TWINES
PARCEL TWINES
SPUNYARNS & PACKINGS
BAILING ROPES & CORDS

TRADE R E G MARK 1750

SAILCLOTH
STEAMER CLOTHS
AWNINGS
TENT CLOTHS
DUCKS
PRESSING CLOTHS
TARPAULINGS
CHEMICAL WATERPROOF
SEAMING TWINES
ROPING TWINES



BUYERS OWN SAMPLES MATCHED AT LOWEST TRADE TERMS

ADDRESS ALL COMMUNICATIONS TO OUR CANADIAN OFFICE AND STORES,

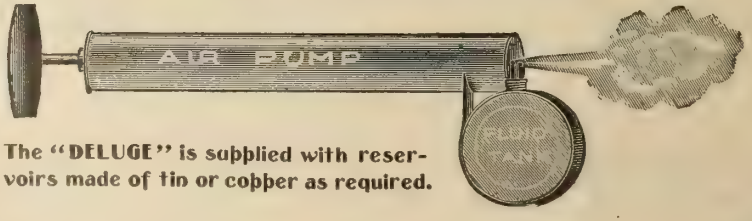
THE EDINBURGH ROPERIE & SAILCLOTH CO'Y, Limited, - - 9 St. Peter Street, MONTREAL.

HAMILTON RADIATORS
FOR
Hot Water And Steam
Plain and Ornamental
THE
GURNEY TILDEN Co.
LIMITED.
Hamilton, Canada.
Artistic Designs in
LOCKS AND BUILDERS
HARDWARE
WE SOLICIT CORRESPONDENCE

KEMP'S SPRAYERS
ARE IN GREAT DEMAND.
Unexcelled for spraying Bushes, Plants, Vines, Horses, Cattle, Interior of Henneries, etc.

Made in 2 Styles:

They throw a large spray, thus covering a large surface area.



The "DELUGE" is supplied with reservoirs made of tin or copper as required.



The "HANDY," as the name indicates, is the handiest sprayer made.

The valves are made strong and durable.

Manufactured by . . . KEMP MANUFACTURING CO., TORONTO

HARDWARE AND METAL

VOL. XIV. MONTREAL AND TORONTO, APRIL 12, 1902. NO. 15.

President:
JOHN BAYNE MacLEAN,
Montreal.

The MacLean Publishing Co. Limited

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P.E. Island and Newfoundland.

OFFICES.

MONTREAL - - - 232 McGill Street. Telephone 1255.
TORONTO - - - 10 Front Street East. Telephone 2701 and 2702.
LONDON, ENG. - - 109 Fleet Street, E.C. W. H, Miln.
MANCHESTER, ENG. - - 18 St. Ann Street. H. S. Ashburner.
WINNIPEG - - - Western Canada Block. J. J. Roberts.
VANCOUVER, B.C. - - - Flack Block. J. A. Macdonald.
ST. JOHN, N.B. - - No. 3 Market Wharf. J. Hunter White.
NEW YORK - Room 442 New York Life Bldg.

Subscription, Canada and United States, $2.00.
Great Britain and elsewhere - - 12s.

Published every Saturday.

Cable Address { Adscript, London. Adscript, Canada.

WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

A GENERAL AWAKENING.

THERE is an undoubted awakening throughout Canada in regard to tourist travel and its importance. And this awakening is peculiar to no one part of the country. The Atlantic Provinces, the Pacific Provinces and the inland Provinces are all more or less affected.

The Maritime Provinces were the first to recognize the importance of tourist travel. At any rate, they were the first to take an active interest in it. And this spring they seem to be more aggressive than ever in preparing ways and means to attract the tourist and to make his stay among them during the summer months pleasant.

The awakening which is so evident throughout Canada in regard to tourist travel is particularly gratifying to HARDWARE AND METAL, this journal having for years been impressing upon the business men of the country the importance of tourist travel to them.

While the awakening is so evident, there are yet a good many towns and cities in Canada in which there still appears to be a lack of interest in the matter, and it behooves the business men in such places to try and bring them into line with those that are already up and doing.

When a clock is wound up it goes ; when a business is wound up it stops.

BUSINESS MEN FOR THE LEGISLATURE.

It is probable that before many weeks the electors of Ontario will be in the midst of a general election campaign.

It is to be hoped the business men in the Province will not forget the business men who are in the field.

The greater the number of practical business men that are returned to the legislature the better it certainly will be for the commercial interests of Ontario. And whatever accrues to the advantage of the commercial interests will certainly not be without benefit to the whole Province.

A legislature that is not businesslike is lacking in the chief essential to good government. It follows, therefore, that the only way to get a businesslike legislature is to elect to it businesslike men.

FAILURES FOR THREE MONTHS.

FAILURES in Canada during the first quarter of 1902 were 363, according to Dun's figures. This is the smallest number since 1899, when the number was exactly the same, although the liabilities were much larger. During the same three months of 1901 the number was 424.

Trading concerns make up the great bulk of the failures, the total in that branch of commerce being 308, against 345 for the three months of 1901 and 318 for 1890. In manufacturing concerns the number of failures was nearly 50 per cent. less than in 1899.

The liabilities of the 363 firms which failed during the three months was $3,439,992 and the assets $2,359,427, while in 1901 the figures were $3,333,722 and $2,740,649 respectively. In other words, the percentage of assets to liabilities was 68.58 in 1902 against 82.21 in 1901. This is the most unsatisfactory feature in connection with the figures. As the failures were heavier in Ontario during the past three months than the same period a year ago, this is probably the explanation of the decrease in the percentage of the assets to the liabilities.

Whatever may be the explanation, it is rather surprising, in view of the active condition of trade, to know that the failures during the past three months of 1902 were more unsatisfactory than those during the same period of 1901.

One does not reach the highway to success by turning aside from the pathway of duty.

SHOULD MANUFACTURERS SELL TO RETAILERS?

MEETINGS of whole sale merchants have recently been held in Iowa and Nebraska, at which steps have been taken to boycott all manufacturers who sell over their heads to the retailer.

This draws attention to a most interesting and difficult question, namely : Should the manufacturer sell to the retailer? As our readers are well aware, those who essay to answer the question are usually influenced in their yea or nay according to the direction in which their self-interests lie. And, as a matter of fact, no general answer, either in the affirmative or in the negative, can be logically given.

There are a good many people who confidently assert that the wholesaler will in time be a thing of the past. We do not for one moment believe it. He is a necessary part of the machinery of trade and commerce. And, as long as he is such, he will be found regularly doing business. At present, there are no signs that he is becoming a sinecure.

There are manufacturers, and among them some of the most important in the country, who are doing business direct with the retailer, and they are successful. But there are many others who have tried it and failed, being only too glad to again resort to the jobber as a medium through which to reach the retail trade.

It is obvious, therefore, that, while some manufacturers find it most profitable to deal with the retailer direct, there are others whose experience is the very opposite. And, as long as this is so, it is equally obvious that the wholesaler is a necessity.

There is no business principle involved in the manufacturer going direct to the retailer. Neither is there if he chooses to confine himself to the wholesaler. The question resolves itself into this : Which is the better way for him to do business? Not for the wholesaler or the retailer, but better for himself.

The greater number of manufacturers, especially in a country like Canada with its "magnificent distances," find it to their advantage to do their business through the wholesaler. The wholesaler is the distributor. Each traveller he sends out has in his "grip" samples of the products of a score or more manufacturing concerns. By this means not only is the manufacturer's expense of selling goods much reduced, but he is enabled to have them distributed over a greater area of the country than, as a rule, would be the case were he dependent alone upon his own travellers. Where one of his own travellers would call on a score of customers, the travellers of the wholesale house would call on several scores.

Wholesalers sometimes turn manufacturers in the direction of the retail trade when, on a new line being shown them, they refuse to give an order until the manufacturer has sent representatives among the trade to get customers and then turn the orders in through them (the wholesalers). We know of no greater complaint on the part of the manufacturers against the wholesalers than this.

One of the most difficult things for a manufacturer is to do business with both the wholesaler and the retailer ; and especially when he refuses to sell to the former at a figure which will allow him a fair profit for handling the goods.

As a rule it is more satisfactory for the manufacturer to confine himself wholly to either the wholesaler or the retailer. Between two stools it is usually difficult to remain comfortably seated.

The boycott, aside altogether from its illegal character, is rather likely to aggrevate than to remedy the alleged evil. We believe that in the long run the employment of legitimate schemes for meeting the competition of manufacturers who sell to the retailers will be found much more profitable.

THE PRICE OF SCALES.

The trade last week were advised of an advance in the price of weigh beams. This makes an advance this year on all lines of scales except the standard lines.

These advances are evidently here to stay. On account, first, of the low prices ruling on the lower-grade scales for some time previous to the advance, and, secondly, the increased cost of material and labor.

HARDWARE AND METAL would not be surprised in the near future to hear of an advance on the higher grade of scales, and probably a further change in the discount on the "Champion" line of from 55 to 50 per cent.

PRICES LOWER ON TURPENTINE.

THE turpentine market in the South has had another weak spell. As a result, prices in Savannah are 3c. lower than they were a week ago, and 10c. per gal. lower than they were two weeks ago.

It is becoming more and more evident that the extraordinary advances during March, at the close of which prices touched the highest point of the year, were due nearly altogether to manipulation, although the fact that heavy rains in the turpentine country—retarding, as they did, shipments—was of some assistance to the manipulators.

In Canada, stocks of turpentine are light, importers having bought sparingly during the period of high prices. However, the weakness in the primary market has not been without its influence in this country, prices being 5c. lower in Toronto and 6c. lower in Montreal. Prices in the latter city advanced to a higher point than they did in the former city, and, although prices have been reduced more, quotations there are still above those ruling in Toronto.

Single barrels are now quoted at 70c. in Toronto and at 72c. in Montreal, and 2 to 4 barrels at 69 and 71c. respectively.

On Wednesday the Savannah market was steadier on account of purchases on export account, and on Thursday a private telegram from Wilmington said that turpentine was scarce and that there was none to offer.

It is only by doing something that a man can be something.

ADVANCE IN COTTON CORDAGE.

An advance of 1 to 1¼c. per lb. took place on Thursday, April 10, on cotton cordage, and of 7½ to 10 per cent. on cotton clothes lines.

Cotton twine is also very firm, and an advance in it in the near future is not unlikely.

The advance is in sympathy with the appreciation in the raw cotton market, which is fully 1¼c. above the prices ruling in February.

NEW FAST ATLANTIC ROUTE.

PROPOSALS have recently been made to the Newfoundland Government to have St. John's, Nfld., form one of the ports of call for the projected turbine steamship line across the Atlantic. St. John's is the nearest point to Europe in the Western Hemisphere, and this fact is influencing the company promoting this venture.

It is noteworthy that Marconi in his experiments in wireless telegraphy was one of the first to perceive the advantages of that Island. He received his first wireless signals from Europe at St. John's. This has probably influenced the promoters of this scheme in choosing that place as a port of call.

The time by this project that will be saved in crossing the Atlantic will be of especial benefit to Chicago and the Western States. They will have three opportunities of joining or leaving the ships—at New York, Halifax or St. John's, Nfld. The memorandum forwarded to Premier Bond of Newfoundland by the representatives of the company is as follows :

"I am requested to inform you that a proposal is being submitted to the British Government on behalf of the Berehaven Railway and Pier Company to run a line of 30-knot an hour ships twice weekly from Berehaven via St. John's, Nfld., and Halifax, N.S., on to New York, the time through from Berehaven to New York (including stoppages at St. John's and Halifax) being 110 hours, and vice versa—actual time, not local time, the running period at sea to be as follows :

	Hours.
Berehaven, s.w. of Ireland, across Atlantic to St. John's	60
St. John's to Halifax	20
Halifax to Sandy Hook Lightship, for New York	20
Stoppages at St. John's and Halifax	10
Total from Berehaven to New York	110

"It is proposed, in connection with the scheme, for the mails to leave London every Tuesday and Friday nights, leave Berehaven every Wednesday and Saturday at 1 p.m., and reach New York every Monday and Thursday mornings. Returning, steamers to leave New York every Tuesday and Saturday at 1 p.m., mails reaching London every Monday and Friday mornings (local time), the ships calling en route at St. John's and Halifax for brief periods, to transfer mails and passengers."

A subsidy for the carriage of the colonial mails outward to Europe or America is wanted from the Newfoundland Government. There will also most likely be ubsidies from Canada, the United States and Great Britain. The company state that they intend furnishing twice weekly the greatest possible postal and passenger facilities between the United States, Canada, Newfoundland and Europe, and faster to the Dominion and Newfoundland than to the Republic.

The steamers for the service are to be six in number, each 700 ft. long and 70 ft. wide, with a maximum draft of 29 ft. The turbine principle is to be applied to them for the development of the highest speed, and they are to be fitted up in a style exceeding even that of the finest of ocean liners now in commission. The promoters of the venture count with confidence on being able to divert a great deal of the present passenger traffic to their new line, because of the higher speed and superior accommodation which these ships will afford, and the great strength of their position lies in the fact that, even after allowing for the delays at St. John's and Halifax, they will still be able to make the journey between Berehaven and New York in about 24 hours less than the speediest liners now cover it. The ships of the proposed line are liable to be assumed by the British Government for use as auxiliary cruisers in the event of England's naval or military necessities calling for them, and any contracts closed with the several Governments named would be subject to that arrangement.

From Berehaven the ships will twice weekly proceed, via Boulogne and Dover, on to Flushing (Holland), the full running time at sea and schedule of ports being :

	Hours.
Flushing, for North German traffic, to Dover.	3
Dover, for London traffic, to Boulogne	1
Boulogne, for French traffic, to Berehaven	17
Berehaven, for British traffic, to St. John's	60
St. John's, for Newfoundland traffic, to Halifax	20
Halifax, for Canadian traffic, to New York	20
Total running time	121

That this project is well under way is evident from a recent press despatch from London announcing that the contract had been closed for the building of a pier 1,000 feet long at Rosslair, near Wexford, Ireland. This is for a new Irish Channel ferry service, a link of the whole line. The Southern Railway of England is laying a track to Fishguard in Wales. Here a channel steamer would rapidly transfer passengers and mail, speed them across to Rosslair, and thence they would travel by rail throgh Ireland to Berehaven, making practically an air line and joining the ocean steamers at that point. A decided saving in time and comfort would, it is claimed, be effected by this arrangement. Furthermore, this new ocean route via Berehaven promises to provide the quickest way for general transport between London and New York, as was emphasized last spring when the Bill for incorporating the company was brought before the Imperial Parliament.

The capital of the company is to be $30,000,000, and this figure would not only provide for the building and fitting up of the six steamers, but also for suitable stations at Berehaven, which would be the most important terminal in that respect.

The six ships would cost $2,500,000 each, and a seventh would be needed as a reserve, at the same cost. This would aborb $17,500,000 of the capital. The annual outlay —interest, depreciation, upkeep, insurance, operating, wages, coal and other details— would amount to about $5,000,000, but as against this it is estimated that the cargoes alone would more than offset this item. In such a steamship line the cargoes carried would be only of the lightest and most costly class of freight, and heavy charges can be levied thereon.

SEEKING A COMPOSITION.

F. W. Foster is a general merchant of Clinton and Ashcroft, B.C., who has failed with liabilities of $76,900 and assets of $132,199. A statement of his affairs has been sent out to his creditors with a proposition that they should accept 10 cents on the dollar every three months until the entire amount is paid. Mr. Foster proposes to retire from the active management of the business and a new manager will be appointed.

Mr. Foster has been in business in the West for 41 years and his principal place of business is Ashcroft. He runs a branch store at Clinton, B.C. Besides these he conducts a ranch which is included in his assets. His failure is attributed to overpurchasing and a recent illness.

IN THE MARITIME PROVINCES.

Mr. W. Stovert, the Canadian representative of Jenkins Bros., Boston, Mass., has just returned from a trip through the Maritime Provinces. Mr. Stovert reports the hardware trade there in the best of condition and everything pointing to an exceptionally busy season.

PERSONAL MENTION.

Mr. Smith, of Messrs. Smith & Hemenway, New York, is in Montreal this week.

Mr. E. W. McCarty, of Messrs. J. C. McCarty & Co., New York, has been calling on the Montreal trade this week.

TRADE IN COUNTRIES OTHER THAN OUR OWN

CARRIAGE SPRINGS HIGHER IN THE STATES.

ON account of the advance in steel the manufacturers of wagon and carriage springs have made an advance of ¼c. per lb in the prices of these goods. The market is very firm, and the demand of the trade is such that the manufacturers have difficulty in filling orders as promptly as their customers desire.—Iron Age.

CUT NAILS HIGHER IN THE STATES

The makers of cut nails at their meeting held in New York last week advanced the price for cut nails 5c. per keg. The price is now $2.05 base f.o.b. Pittsburg in carload lots and $2.10 base in less than carloads. This advance was made in view of the great advance in price of grey forge iron. The output of grey forge pig iron, according to Metal Market Report, is said to be practically all sold for the balance of the year.

WIRE NAILS IN THE STATES.

The wire-nail market is characterized by the activity which has prevailed for some time, and the mills are unable to ship goods nearly as fast as the trade desire. Transportation difficulties accentuate this feature, and there is no sign of an immediate change in this regard. The wisdom of the wire-nail manufacturers in refraining from making an advance last week is generally recognized. The conservative policy in avoiding unnecessarily high prices will undoubtedly contribute to the maintenance of present satisfactory and prosperous conditions.—Iron Age.

BRITISH TINPLATE MARKET.

Although the volume of business done during the past week has not been large, the market is steady and prices are well maintained. A good deal of second-hand business is reported. Common 14 by 20, 112 sheets, 108 lb. Bessemer cokes are just a shade easier, sales having been made for spot delivery at 13s. 9d. per box. Makers are comfortably booked over the next three months, generally speaking, and quotations for the standard size range from 13s. 7½d. to 14s. per box, full weights, according to specification, and delivery f.o.b. Wales, with Siemen's cokes at 1½d. per box extra.—Iron and Coal Trades' Review, March 28.

WOOD SCREWS IN THE STATES.

The leading producing interest says the market for wood screws is in a sadly demoralized condition. Ruling prices do not yield manufacturers any profit; in fact, screws are selling at under cost of production, largely the result of lack of co-operation among makers. The consolidation of Russell and Erwin Manufacturing Co. and P. & F. Corbin Co., which went into effect on March 10, has not resulted in any improvement in conditions nor is there any prospect of leading producers coming to an agreement.—American Metal Market.

METALS IN BRITAIN.

S. W. Rayse & Co., Manchester, Eng., in their report for March say: "As suggested in our report a month ago, the advances in prices of pig iron had been too rapid, and the disposition then shown to await the course of events has been justified, as values have receded during this month to the extent of about 1s. 2d. per ton for Scotch iron and 7d. per ton for Cleveland. Still, a fair business has been doing, and the markets have a good tone; stocks in makers' hands are not large, and there are good shipments to be made, and inquiries from abroad are now coming forward more freely. Other metals have not been moving well during this month. Copper has steadily fallen some £3 2s. 6d. per ton, and is weak. Spelter is about 5s. per ton lower, but is now steady. Lead is down about 2s. 6d. per ton, and is easy. Tin is an exception, having advanced £2 per ton, and is firm."

STRUGGLING TO KEEP PRICES DOWN.

The struggle to hold values down continues unabated, with indications that the market is not fully under control of the conservative element. Negotiations have continued between The United States Steel Corporation and the Bessemer Association, the furnacemen holding out for better terms for the requirements of the fourth quarter, on the ground that sales are being made at very much better figures, and that other grades of iron are selling at a much better price relatively. The impression prevails that $17 at Valley furnace, or $17.75, Pittsburgh, may be the basis of the new contracts. To the leading interest the matter seems to be a question chiefly of the effect of higher prices on sentiment, since the existence of many sliding scales based upon the price of Bessemer pig iron would largely compensate for any actual advance paid.—Iron Age.

IRON AND STEEL TRADE IN THE STATES.

The Pittsburgh correspondent of The American Metal Market, New York, says: "There is not the least sign of any weakening in the iron market this year. There may be slight declines in some lines, such as steel billets and iron bars, but they will only be in the line of averaging up prices to the proper relations. In lines where there is not much activity the mills are well sold ahead and can afford to do without a single new order for a couple of months. There may be a rub in some places when consumers have to come into the market after having used up material purchased at much lower prices than those ruling to-day, but consumption is bound to go right on, and production must go on too. Thus, the great bulk of the puddling to-day is being done on forge iron, costing much less than present prices, but, on the other hand, present market prices have already been paid for forge with deliveries running clear through the year, showing that consumers are able and willing to get on the new basis. Independent makers of wire are, in the main, using steel which cost them considerably less than $32 delivered, but when it comes time that they must contract for more steel, wire prices will go up or steel prices come down. The public will keep right on using wire, fencing nails, etc."

BRITISH PIG IRON MARKET.

In this department the influence of the approaching holidays has led to a somewhat quieter state of business, but, on the whole, the steady tone of the market is maintained, and values show but little change. In regard to warrants, there has been an upward move in Glasgow, where Scotch are quoted at 52s. 7½d., as against 52s. 4½d. a week ago, while in Middlesborough, Clevelands are at 46s. 10½d., as compared with 46s. 8d. Hematite iron is in good demand, and has good prospects apparently, steelmakers being busier. In the North of England prices have advanced, and mixed numbers are at 56s. 6d., while on the West Coast the figure is 60s. The exports of pig from the Cleveland district show a satisfactory improvement, being much in excess not only of those of last month, but also of March, 1901. Some of the iron sent from this centre to Scotland has been hematite, which is rather unusual, the quality usually shipped thither being ordinary Cleveland. The following is a statement of the stocks of pig iron in public stores:—

Public stores stocks, in tons:	Tuesday.
Connal's at Glasgow	53,500
Connal's at Middlesbrough	143,300
Connal's at Middlesbrough, hematite	300
West Coast hematite	18,600
N.E.R. Stores, Middlesbrough	1,120

—Iron and Coal Trades' Review, March 28th.

WIRE NAILS
TACKS
WIRE

Prompt Shipments

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

ANOTHER RUMORED RAILWAY DEAL

THE Canadian Pacific Railway, it is stated on reliable authority, has completed arrangements for the purchasing of the Ottawa, Northern and Western Railway. The latter is the concern that came into possession two months ago of the Pontiac and Pontiac Junction Railway, the Interprovincial Bridge and The Hull Electric Company.

The purchase price is unknown, but it is estimated that at least $4,000,000 would have to be paid to buy out the Montreal syndicate who were to guarantee the bonds and other interests.

The Pontiac and Pacific Junction Railway runs from Ottawa to Waltham, Que., on the Ottawa river. It was some time ago intended to bridge the river to Allumette Island, about ten miles distant from its present terminus. This would bring the railway into Pembroke. It is said that the Canadian Pacific will extend the line from Waltham to connect with their line at Chalk River, and thus decrease the distance from the capital to that point by 30 miles. This would save about 15 minutes in the running time of a passenger train and give the people of Pontiac county an outlet for their supplies for lumbermen. A large hay business would be developed in that locality, and the distance of the Canadian Pacific to the Pacific Ocean would be shortened by 30 miles.

The syndicate who were to guarantee the bonds and other interests of the Ottawa, Northern and Western Railway is composed of A. F. Gault, Samuel Finley, S. H. Ewing and Hanson Bros., and the bond issue was to cover $3,800,000 of stock, $1,000,000 for the Pontiac and Pacific, $1,000,000 for the Interprovincial Bridge, another for the Gatineau Valley, and $800,000 for the Hull Electric. The original capital stock was $1,000,000, and there is now an application before Parliament to increase it to $10,000,000.

Determination

to win, no matter how strong the opposition; no matter how insurmountable the obstacles may seem, is one of the underlying principles of the success of

THE SHERWIN-WILLIAMS PAINTS

It's that determination that finds a ready sale for the goods. It's that determination that makes ***The Sherwin-Williams Paints*** the most profitable paints for the dealer to handle.

But back of it there is the strongest and most systematic selling organization in the paint world—one of the strongest and best in the entire business world. Everything moves like clockwork. There is no chance for failures. The minutest details receive the most careful attention. We never let up helping our agents. We never let up advertising for them. We are always trying to help them get more business. There's satisfaction and profit in being with such a house. There's the best and largest business in your town in it for you.

If you would like to know more about our goods and our methods, write asking for the B-13 Booklet.



THE SHERWIN-WILLIAMS CO.

PAINT AND VARNISH MAKERS.

CHICAGO, NEW YORK, NEWARK, MONTREAL, CLEVELAND, BOSTON, TORONTO, SAN FRANCISCO, KANSAS CITY.



ABOUT THE SIZE OF IT.

(From The Weekly Sun.)

"Is it true you didn't turn up at the Governor's ball?" was asked an Eastern M.P.

"That's so, I am sorry to say."

"Not unwell?"

M.P.: "Oh, no; but I have had to give up that sort of thing here."

"Sounds like doctor's orders."

M.P.: "It's business orders. Between letters, committees, the House, and the Departments, I've all I can do."

"Do you mean to say you can't even spare a couple of hours in dining out occasionally?"

M.P.: "That's what I mean, and it's explainable. Those dinners start between seven and eight, and it's well on towards 10 before one gets away. The whole of that evening, then, is gone. Next morning the chances are I am slack, and that feeling lasts pretty well through the day, and puts me behind in my work."

"How do those manage who are out at something every second or third night?"

M.P.: "I can't tell you. I've a strong suspicion they manage by skipping half their work and skimming the other. I'll give you an instance. An Ontario member, one of those who are too sociable to refuse an invitation, ran up against one of his constituents here. The pair made off for a quiet corner, and after a chat over home news, the member proposed a move for lunch. The constituent was willing, but thought, since he was to be off on an early train, they had better settle the affair he had been writing to the member about.

"'That's the first I've heard about it,' remarked the M.P.

"'How can that be?' asked the astonished constituent; 'I wrote you four letters in regard to the matter.'

"'Well, my dear fellow, I never got them,' was all the jovial member could say.

"Later on he found the four letters unopened and forgotten among a pile of papers."

"But, supposing you were, what doubtless you will be, a Cabinet Minister, wouldn't you conform to the custom of giving dinners?"

M.P.: "I'm too old a bird to say what I would do. All I know is that to get through the work of an ordinary member, which is little enough compared with the calls on a Minister's time, keeps me on the stretch so that I think myself lucky to get half-an-hour's stroll during the day."

"I'd infer from what you say a member's duties at Ottawa are so exacting as not to justify a night off now and again."

M.P.: "That's rather an extreme way of putting it. My point is: A representative has his hands full to get through what he should; he requires to be in the best of trim; and, for that reason, should eschew heavy evening meals and late hours."

"Do you go, then, so far as to say the entertaining done by the Governor, Ministers, Speakers, and others takes out of the members too much of the energy that ought to go into Parliamentary business?"

M.P.: "That's about the size of it."

A BIG HARDWARE TRUST.

It is stated with authority in the current issue of The Iron Age, of New York, that the great hardware jobbing interests of the United States have consolidated into a gigantic Trust capitalized at $120,000,000.

A RAILWAY COMMISSION TO BE CREATED.

THE long-expected Bill to create a Railway Commission in Canada was introduced in the House of Commons on Wednesday by Hon. Mr. Blair, Minister of Railways.

The Minister intimated that the decision to establish a Railway Commission was rather the result of strong popular feeling in Ontario and the West than of his own conviction on the subject. He said he did not expect the measure to redress all grievances, some of which were due to inevitable consequences, but he hoped it might prove useful in this respect. The Bill not only provides for the establishment of a Railway Commission, but it is also a complete and careful revision and consolidation of the existing railway law. The Railway Committee of the Privy Council is abolished and its powers, with additional jurisdiction, are transferred to the proposed commission, which would be empowered to regulate freight rates. In order to get good men it was necessary to provide for a long tenure of office and to pay a good salary.

A BOARD OF THREE.

It was proposed to constitute a board of three commissioners, who shall hold office for 10 years, during which term they cannot be removed except upon an address of both Houses of Parliament. The salary of the commissioners is not fixed in the Bill, but it is intended the chairman shall receive more than the other two members. One of the commissioners should be a lawyer of large experience and some knowledge of railway business, also of sufficiently high standing to qualify him for a judgeship; another would be an experienced railway man. The third should be a man with large knowledge of general business.

JURISDICTION OF BOARD.

The board will finally decide all matters of fact, the only appeal from its judgment being to the Governor-General-in-Council. The board is to have power to fix all traffic rates. This is divided into three classes—ordinary traffic, commodity traffic, and competitive traffic. At present the Governor-in-Council fixes the maximum and minimum rates, and within those limits the railways could charge as they liked. It was now proposed to enact that upon a scale being submitted to the board it shall say that it shall be the scale of rates for ordinary traffic. The commodity class of freight meant a special class to be arranged by the board. As to this the board shall fix the maximum and minimum rates, and it is only as to this class that the railway shall have power to change rates within these limits. This commodity class shall consist of goods taken out of the ordinary class, at the request of the railway company, perhaps. But the company having fixed its rates within these limits, they must be adhered to and the commodity rates so fixed published for the public information.

COMPETITIVE RATES.

Another class was the competitive class, embracing such goods as to which rates are bound to fluctuate. As to the competitive rates, the company must, upon making the scale, apply to the board for sanction of such rates, and they shall remain at those figures until changes are sanctioned by the board. Penalties for infraction of the law will be provided.

Provisions are made in the Bill in respect of foreign traffic, a very large discretion being vested in the commission as to this traffic.

So, too, running rights will be in charge of the commission, which would also control the matter of long or short-haul rates, it being declared that there shall be no higher rates charged upon the shorter haul than upon the longer, when the shorter is contained in the longer. Exception is made, however, of special cases to which it would be unfair to apply this rule. It was proposed that the commission would take into consideration in fixing competitive rates the charges for lake and river freight.

NO CONTROL OVER I.C.R.

Mr. Blair said the railway companies would continue to make their classifications and submit them to the commission. Further questioning elicited from Mr. Blair the admission that the commission would have no control whatever over rates on Government railways. He thought, however, the wisdom of giving such control to the commission might be considered in Committee on the Bill.

Replying to Mr. Barker, the Minister said the intention was to give the board control of through rates where the carriage was in part by vessel.

It is expected that the Bill will not finally be dealt with until next session.

A NECESSITY.

In remitting his subscription to "Hardware and Metal," Henry Taylor, dealer in shelf and heavy hardware, etc., Perth, Ont., says: "I have pleasure in complimenting you for the value of your journal. The market reports are a necessity to all dealers, and your articles contain much information that is useful."



THERE ARE BICYCLES AND BICYCLES BUT ONLY ONE TRUSS FRAME BICYCLE

THE IVER JOHNSON

THE RIDERS' FAVORITE FOR 1902.

ALL COMMEND IT. NONE CONDEMN IT.

It is a bicycle born of experience—
The kind that rises superior to competition.

Write for agency proposition. Catalogues mailed free.



(FRAME PATENTED.)

IVER JOHNSON'S ARMS & CYCLE WORKS,
Fitchburg, Mass.

New York Salesrooms—
99 Chambers Street.

STANLEY RULE & LEVEL CO.,

NEW BRITAIN, CONN., U.S.A.

IMPROVED CARPENTERS' TOOLS

SOLD BY ALL HARDWARE DEALERS.

H. S. HOWLAND, SONS & CO.

WHOLESALE ONLY — 37-39 Front Street West, **Toronto.** — ONLY WHOLESALE

CHURNS.



"FAVORITE"

No.	0	1	2	3	4	5
Holds	6	9	15	20	25	35 Gals.



"LEADER"

No.	0	1	2	3	4	5
Holds	6	9	15	20	25	35 Gals.



OAK DASH CHURNS.

Plain Top, 6, 8, 10 Gals.
Crib Top, 6, 8, 10 Gals.

BUTTER SPADES.



Plain and Grooved.

WOODEN SPOONS.



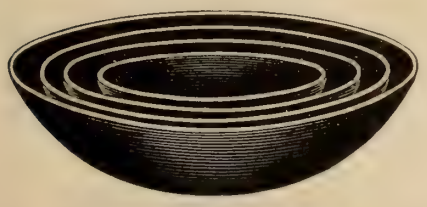
. Hardwood, Turned Handles.

BUTTER LADLES.



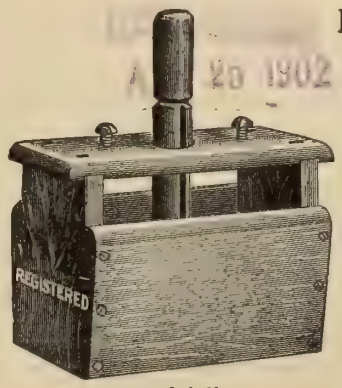
White Maple.

BUTTER BOWLS.



Maple.
Sizes 11, 15, 17, 19 inches.

BUTTER MOULDS.



½ and 1 lbs.



"Crown," ½ and 1 lbs.

H. S. HOWLAND, SONS & CO., Toronto.

WE SHIP PROMPTLY — Graham Nails are the Best. — OUR PRICES ARE RIGHT

Factory: Dufferin Street, Toronto.

THE STEVENS HAMMERLESS GUN.

THE latest production of the The J. Stevens Arms & Tool Company, Chicopee Falls, Mass., is their No. 140 single gun. This gun is hammerless, moderate in price, and has several special features that make it a superior arm. These are a Pyro-electro steel barrel, choke bored for nitro-powder, a walnut stock with a rubber butt plate, and a case-hardened frame. It has pistol grip and a new cocking device by which it cannot be opened for inserting a shell until the gun is at full cock. Its automatic safety equipment makes it impossible to discharge the gun before it is pushed forward. By two turns of a screw the operator can change the gun at will from an "ejector" to an "extractor." Its automatic shell-ejector, with a new device, renders this possible. Its mechanism is simple, and can be moved for inspection or repair by removing a screw that holds the trigger-guard in place.



CATALOGUES, BOOKLETS, ETC.

STOVE AND TINWARE CATALOGUE.

The catalogue for 1902-3 of The James Stewart Manufacturing Co., Limited, Woodstock, Ont., is a book of 150 pages, handsomely bound in colors of Scotch tartan, and containing descriptions and prices of their many lines of stoves and ranges. Since 1845 this firm have been placing their goods on the Canadian market, and have been adding new lines from year to year until now any style of stove or range that can be called for will be found in the list of this company. Their "Good Cheer" ranges come in many different sizes, to suit the small family or the hotel, and are adapted for burning coal or wood. Besides the above, The James Stewart Manufacturing Co., Limited, make pots and kettles, grates, registers, etc. Their catalogue is handsomly illustrated with engravings of all their goods, and has an index at the back, making it handy for reference purposes.

BICYCLE SUPPLIES CATALOGUE.

Rice Lewis & Son, Limited, have in press their new catalogue for bicycle supplies for 1902. It will be ready for distribution in a few days.

PARMENTER & BULLOCK'S PRICE LIST.

The price list of The Parmenter & Bullock Company, Limited, Gananoque, Ont., for 1902 is a book of 60 pages of interesting matter. In this catalogue are illustrated and described many lines of rivets, a full line of nails, fence, slating, barrel and boat nails, down to the common flat head varieties; carpenters' braces, hand drills and many other specialties. This firm was established in 1864, and incorporated in 1896. Besides their head offices at Gananoque, they have branch offices at Toronto and Montreal. To those of the readers of HARDWARE AND METAL who write, mentioning this journal, a copy of the catalogue will be sent by the company.

A CYLINDER DUST BELLOWS.

THE Smith & Hemenway Co., of 296 Broadway, New York City, are introducing a cylinder dust bellows, which is an article no printing office, factory, machine shop, telephone or telegraph establishment should be without. This bellows has no metal mountings, thereby preventing short circuits while cleaning. For cleaning in awkward corners, pianos, organs, machines, and all kinds of type cases it is indispensable. Any places that cannot be reached by a brush can be cleaned with a cylinder dust bellows, the compressed air being forced removes all particles of dust from inaccessible places. The principal advantages of these bellows are steady position of the point (on holding it between the fingers) absence of metal mounting, and therefore no risk of injury to the articles to be cleaned, easy and comfortable manipulation, employment of force according to will, direction in any position, introduction to any space proportioned to the cylinder and therefore the displacement of dust in otherwise inaccessible places without injuring the articles to be cleaned. These bellows are carefully made with the greatest care, the wood used in their manufacture taking two years to prepare.



The Hobbs Hardware Co., Limited, London, Ont., have been incorporated with a capital of $300,000. They take over the business of The Hobbs Hardware Co.

BUSY KENTVILLE.

A despatch from Kentville, N.S., says: "This energetic town is fast recovering from the depression caused by the epidemic of last year. The plucky storekeepers are hustling for business and are recovering their trade very rapidly. Prospects for the summer are particularly bright. The new court house will give work to quite a number of men, and it is expected that the D. A. R. will commence shortly to build the new station house. About $20,000 is the estimated cost of the improvements and enlargement of the railway station. There is also talk of the erection of a building for the double purpose of an agricultural show and skating rink."

GOING TO ENGLAND ON BUSINESS.

Mr. R. E. Thorne, manufacturers' agent, Montreal, sails from New York on April 19 by the Saxonia. Mr. Thorne, who represents the color house of Goodlass, Wall & Co., Liverpool, as well as several other English houses, finds that his ever-increasing business in British products necessitates this trip for the purpose of improving the facilities for doing business here in his several lines.

RESOLUTIONS ENDORSED.

At the regular quarterly meeting of the Kentville N. S. Board of Trade the secretary was instructed to write the Maritime Board to the effect that the resolutions adopted by that board re preferential trade, tourist travel and the development of trade between Canada and South Africa, had been adopted and incorporated in the minutes of the board.

A HARDWAREMAN WEDS.

R. J. McConnell, hardware merchant, Carman, Man., was married to Miss Edith Meikle last week, and the happy pair have gone on a wedding tour to the United States.

"MIDLAND"
BRAND

Foundry Pig Iron.

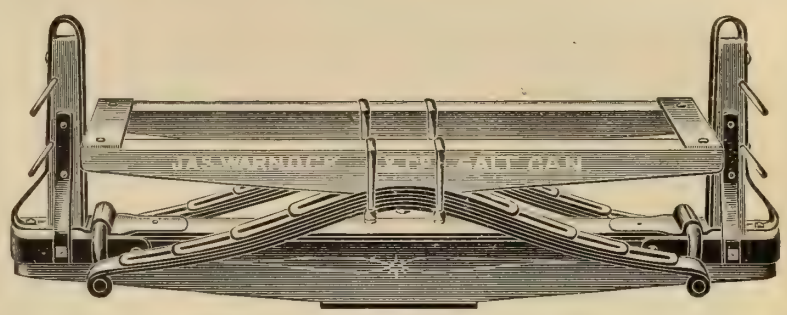
Made from carefully selected Lake Superior Ores, with Connellsville Coke as fuel, "Midland" will rival in quality and grading the very best of the imported brands.

Write for Prices to Sales Agents

Drummond, McCall & Co.
or to MONTREAL, QUE.
Canada Iron Furnace Co.
MIDLAND, ONT. Limited

"The Peerless"

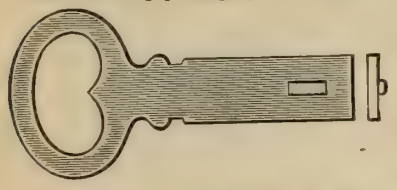
is the best Bolster Spring ever produced. A fine line for the hardware trade. Write Us For Prices.



James Warnock & Co. = Galt, Ont.

KEYS

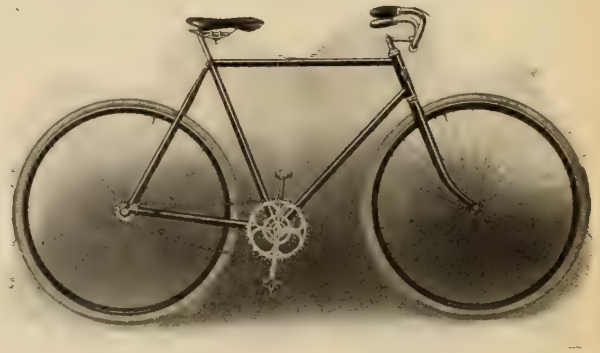
We have received our Spring stock and can ship promptly—Try us.



Bicycles

"EAGLE"
AND
"SNELL"

Send for Catalogues and trade quotations.



JOHN MILLEN & SONS

Branch: 132 Bay Street, Toronto, Ont. MONTREAL, CANADA

A Good Reputation
A Good Past
A Good Present
A Good Future
The Canadian Grocer
Montreal and Toronto
And all over Canada
Once a Week
Carries Lots of Advertising
Because
It Pays Advertisers

Hardware and Metal
Montreal and Toronto

CORDAGE

ALL KINDS AND FOR ALL PURPOSES.

Manila Rope	Lathyarn
Sisal Rope	Shingleyarn
Jute Rope	Bale Rope
Russian Rope	Lariat Rope
Marline	Hemp Packing
Houseline	Italian Packing
Hambroline	Jute Packing
Clotheslines	Drilling Cables
Tarred Hemp Rope	Spunyarn
White Hemp Rope	Pulp Cord
Bolt Rope	Lobster Marlin
Hide Rope	Paper Cord
Halyards	Cheese Cord
Deep Sealine	Hay Rope
Ratline	Fish Cord
Plow Lines	Sand Lines

"RED THREAD" Transmission Rope from the finest quality Manila hemp obtainable, laid in tallow.

CONSUMERS CORDAGE COMPANY, Limited

Western Ontario Representative—
WM. B. STEWART,
Tel 94. 27 Front St. West, TORONTO.

MONTREAL, QUE.

INCOMES OF SUCCESSFUL INVENTORS.

IT is generally understood that inventors are an unfortunate class of individuals who struggle through life surrounded by an unsurmountable barrier of penury and misfortune, writes Ansley Irvine, Liverpool, Eng., in Scientific American. This, doubtless, is true of many cases, but the obverse of the picture is gratifying and full of encouragement. Innumerable instances could be given where comparatively large fortunes have been made out of a simple article, which necessitated neither elaborate design nor great initial expenditure, and, when judged from a strictly utilitarian point of view, did not possess any practical value.

Some of the largest fortunes appear to have been derived from the invention of trivialities and novelties, such as the once popular toy known as "Dancing Jimcrow," which for several years is said to have yielded its patentee an annual income of upwards of $75,000. The sale of another toy—"John Gilpin"—enriched its lucky inventor to the extent of $100,000 a year as long as it continued to enjoy the unexpected popularity that greeted it when first placed upon the market. Mr. Plimpton, the inventor of the roller skate, made $1,000,000 out of his idea, and the gentleman who first thought of placing a rubber tip at the end of lead pencils made quite $100,000 a year by means of his simple improvement.

When Harvey Kennedy introduced the shoelace he made $2,500,000, and the ordinary umbrella benefited six people by as much as $10,000,000. The Howard patent for boiling sugar in vacuo proved a lucrative investment for the capitalists, who were able to remunerate the inventor on a colossal scale. It is estimated that his income averaged between $200,000 and $250,000 per annum. At first the process proved an entire failure and had to be laid aside as useless. It was not until an old German workman casually made a suggestion for a possible improvement that it was once more tried. The suggestion was improved upon and the invention rendered successful. All sugar refiners who used the new method allowed Mr. Howard a royalty of 24 cents per hundredweight on the raw material passing through the process.

Sir Josiah Mason, the inventor of the improved steel pen, made an enormous fortune, and on his death English charities benefited by many millions of dollars. He was one of the most generous of men, and during his life gave enormous sums to hospitals and industrial schools. The patentee of the pen for shading in different colors derived a yearly income of about $200,000 from this ingenious contrivance. It is stated that the wooden ball with an elastic attached yielded over $50,000 a year. Many readers will remember a legal action which took place some years ago, when, in the course of the evidence, it transpired that the inventor of the metal plates so often used for protecting the soles and heels of shoes from wear sold 12,000,000 plates in 1879, and in 1887 the number reached a total of 143,000,000, which realized profits of $1,150,000 for the year.

Women seem also to possess the inventive faculty, and, indeed, they must find plenty of scope for new ideas, as there are hundreds of little things waiting to be superseded by simple appliances that will minimize handwork and obviate the necessity of so much toil being daily expended in the household. The lady who invented the modern baby carriage enriched herself to the extent of $50,000;



An interior view of a model wall paper department, showing three of The Watson, Foster Company's most successful 1902 patterns. The company inform us they will cheerfully supply any new dealer, whether buying from them or not, with detail information regarding measurements of stock racks, sizes and estimated cost of pattern display frames, sample-book stand, system of stock keeping, and suggestions tending to advance the dealer's interests and dignify and develop the industry of wall paper and the art of decoration.

The
WATSON FOSTER CO.
LIMITED
MONTREAL



SILVER MEDAL
PARIS 1900
CHICAGO 1893

WALL PAPERS

DON'T WAIT

TILL YOU HAVE TO TELEGRAPH FOR ADDITIONAL QUANTITIES OF PATTERNS OBVIOUSLY TOO GOOD TO LAST LONG

OR TILL WE ARE OUT OF THEM.

INDICATIONS POINT TO AN EARLY AND SUCCESSFUL SEASON.

ARE YOU PREPARED TO MEET IT AND YOUR NEIGHBOR'S COMPETITION ?

WE PROBABLY HAVE WHAT YOU MOST NEED.

WHAT IS IT
?

APRIL '02

and a young lady living at Port Elizabeth, South Africa, devised the simple toilet requisite, known as the "Mary Anderson" curling iron, from which she derives royalties amounting to $500 a year. It was the wife of a clergyman who designed an improvement for the corset and made a fortune out of it. Instances of ladies bringing forward inventions which have added to personal comfort and general utility could be given ad infinitum. They occupy all ranks of society, from the poor, struggling seamtress to the Empress of France, who, by the way, invented a dress improver, which years ago developed into the then fashionable crinoline. The gimlet-pointed screw, the idea of a little girl, brought many millions of dollars to the clever little inventor. Miss Knight, a young lady of exceptional talents, was gifted with wonderful mechanical powers, as will be seen by the complicated mechanism of her machine for making paper bags. We are told she refused $50,000 for it shortly after taking out the patent.

The history of the wire-wound gun, which was invented by Mr. J. Longridge, the famous engineer, throws some light on the insouciance and apathy that formerly enveloped the British War Office. Longridge invented the gun in 1854, and did all in his power to place it before the authorities, but they would have nothing to do with it. Thirty years afterward, however, the Ordnance Department at Woolwich subjected one of the guns to exhaustive tests, and so satisfactory were the results that they declared that nothing could equal it for heavy ordnance. Unfortunately, the inventor died from a broken heart before this end was attained. Another case illustrating the treatment sometimes meted out to inventors by the English War Office is that of Dr. Conan Doyle, the popular author of "Sherlock Holmes," who recently discovered a way to insure approximate accuracy in high angle or dropping rifle fire, the need of which has so often been felt in the present war in the Transvaal. The inventor states that the apparatus would be fitted to the rifle and would weigh comparatively nothing, cost but a few cents, take up very little space, and interfere in no way with the present sights. The novelist communicated with the officials in London and received the following reply: "With reference to your letter concerning an appliance for adapting rifles to high-angle fire, I am directed by the Secretary of State to inform you that he will not trouble you in the matter." As Dr. Doyle remarks, the invention might be absolute rubbish or it might be epoch making, but he has been given no chance of either explaining or illustrating it.

The machine with which the Brothers Morley, in the latter years of the 18th century, made their enormous fortune was the stocking loom, invented three generations earlier by the Rev. William Lee, a Fellow of St. John's College, Cambridge, England. Lee's life-story is full of sadness. According to one account Lee, falling in love with and marrying an innkeeper's daughter, lost his Fellowship, and was consequently reduced to extreme poverty. The wife knitted stockings for a living, and the husband, sitting by her side as she worked, watched the intricate movements of her hands, and was thereby led to speculate on the possibility of constructing a machine that would do the work more expeditiously. Lee came to grief, because his machine was believed to be a device for throwing people out of employment. He went ultimately to France, where he died poor and friendless, a disappointed man. Many years afterward English legislators so appreciated the value of the stocking loom that they prohibited its exportation; and so jealous was Parliament of foreign competition that it seems to have been doubtful, even as late as the middle of the 18th century, whether it was lawful to even publish a technical description of the apparatus. When the frame was introduced it completely revolutionized the stocking trade, producing 1,500 loops per minute as against the 100 loops in skilled handknitting.

It is difficult to realize that the art of perforating paper was unknown 50 years ago. Prior to 1854 postage stamps were issued in sheets, the purchaser having to cut them up in the way he found most convenient. In 1848, an Irishman named Archer introduced a machine for cutting small slits round each stamp. This was tried by the English postal authorities, but for some unexplained reason it did not work to their satisfaction, and, notwithstanding that Archer went to great trouble and expense in altering the machine so as to meet the objections, it was refused by the Government. Archer then constructed an entirely new machine which cut out circular holes. He received sufficient encouragement to induce him to still improve his invention, when, in 1851, after three years' continual labor, the Treasury proposed to buy the patent rights for $3,000. This parsimonious offer was, of course, refused, as Archer had spent considerably more than this on his various experimental machines. Eventually the matter was placed before the Select Committee of the House of Commons, and the pertinacious inventor was awarded $20,000, which, considering his apparatus in a few years saved the Government many thousands of dollars, was not excessive.

A NEW TOOL COMPANY.

The Maple Leaf Harvest Tool Co., Limited, Tilsonburg, Ont., is applying for incorporation. The names of the applicants, all of whom will be provisional directors, are as follows:—Cosmos John Shurly, Galt, Ont., manufacturer; Jerome Colwell Dietrich, Galt, Ont., manufacturer; Fred Douglas Palmer, Galt, Ont., bookkeeper; William Warden Janney, Galt, Ont., mechanic; Oscar Herman Vogt, Galt, Ont., traveller; Charles Derrick Lansing, Galt, Ont., mechanic.

The chief place of business of the company will be at Tilsonburg, Ont. The capital stock is placed at $100,000, divided into 1,000 shares of $100 each, and the purposes of incorporation are for the manufacture of harvest and mechanics' tools, saws, shovels, and agricultural implements.

"ANCHOR" STRAW HAT ENAMEL

For Making Old Straw Hats Look New.



Retails readily at 10c. per tin, and can be successfully used by anyone.

Send your orders in early, as we wish to have you supplied in time to meet the rush.

A handsome framed Show-Card furnished to all buyers.

HENDERSON & POTTS

Sole Manufacturers,

HALIFAX AND MONTREAL.

WE have the nicest set of Hose samples ever shown to the Canadian trade. Don't fail to see them.

HOSE

GARDEN
STEAM
SUCTION
ETC.

Send for samples and quotations.

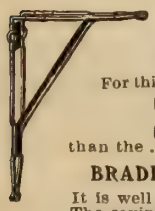
WE make Hose of all kinds for all purposes. Our equipment is the most modern and our goods are perfection.

MANUFACTURED BY

THE DURHAM RUBBER CO., LIMITED

Bowmanville, Ont.

Persons addressing advertisers will kindly mention having seen their advertisement in The Canadian Hardware and Metal Merchant.



Will Hold Up a Shelf!

That's what a shelf bracket is for.
For this purpose there can be
NOTHING BETTER
NOTHING CHEAPER
than the....
BRADLEY STEEL SHELF BRACKET
It is well **Japanned, Strong** and **Light.** The saving in freight is a good profit, aside orm the **lower price** at which the goods are sold.
☞ Order direct or through your jobber.
ATLAS MFG. CO., New Haven, Conn., U.S.A.

DON'T ALLOW

the chance passer-by to occupy your telephone line any more than you would allow him to block the entrance to your store. When you do allow it, others must be told your

"LINE'S BUSY"

PUBLIC TELEPHONE STATIONS ARE FOR THIS CLASS OF BUSINESS.

THE BELL TELEPHONE CO., OF CANADA

Here's Something Good:

Onyx Ochre
Vermont Permanent Green
Non-Fay-Ding Tuscan Red.

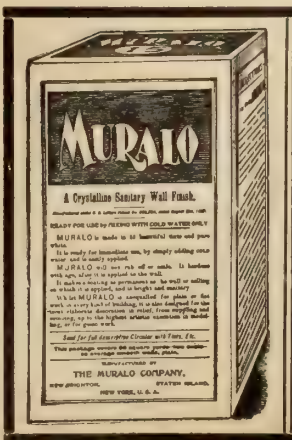
These three are leaders in their line. Send post card for our descriptive circular.

HOLLYWOOD

New York, Chicago,
Buffalo, Columbus, O.

PAINT CO., Limited

CANADIAN WORKS - HAMILTON, ONT.



MURALO

The only sanitary and the best of all **cold water** wall coatings **in 5-lb. packages.**

Agents:

A. RAMSAY & SON, - - -	MONTREAL
J. H. ASHDOWN, - - -	WINNIPEG
McLENNAN, McFEELY & CO., -	VANCOUVER

DECLINE IN PRICES.

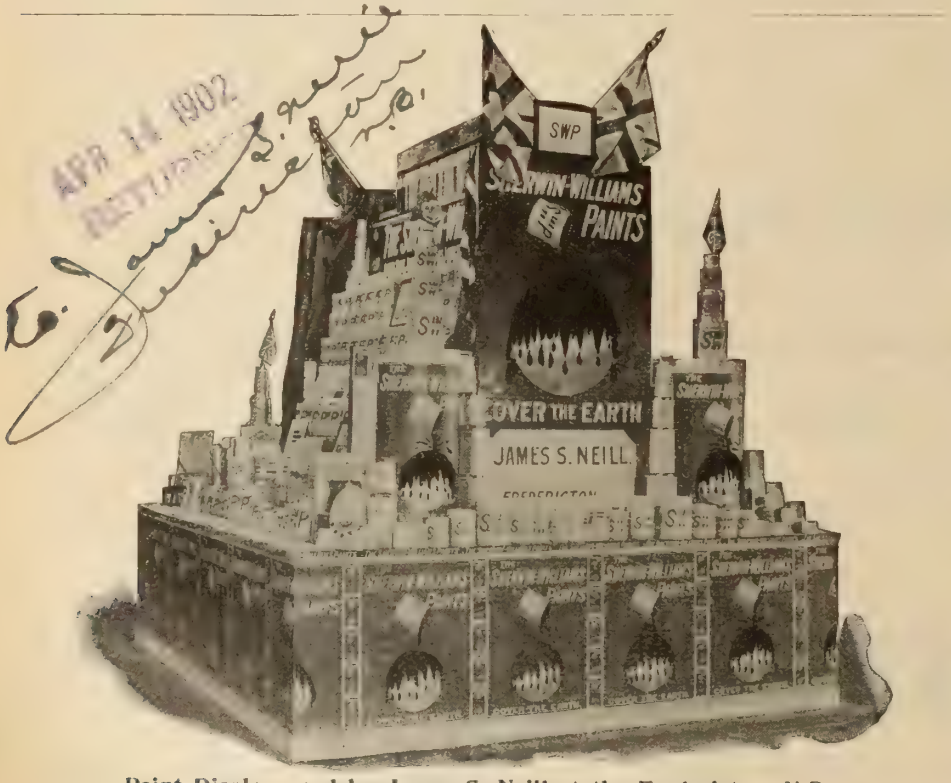
"DUN'S" index number of the course of prices, with due allowance for the relative importance of each commodity, was $99,222 on April 1, compared with $101,593 a month previous and $94,910 a year ago. The fall of 2.3 per cent. during March was the logical result of the advancing season which brought higher temperature and expanding production of many articles of food. Consumptive demand continued heavy, even when supplies were procured with difficulty, owing to the prosperous condition of the people, so that quotations were sustained at an unusual position. As stocks return to a more normal figure it is natural that prices should do likewise.

The feature of most extensive influence on the index number appears in the division embracing dairy and garden products, where the decline amounted to 11.4 per cent. Most of this change was due to the fall in eggs, amounting to 13½c. a dozen, since the per capita consumption is heavy. Milk and butter also became cheaper, though fluctuations were less violent, and a decline occurred in the average of potatoes, apples, hay, and some minor articles.

Coal was also sharply reduced on April 1, and its large use made a drop in the metals class of nearly 3 per cent., notwithstanding the moderate advance in the list of iron and steel products. An advance in tin was about balanced by a fall in copper, while petroleum remained unchanged. Breadstuffs lost 3.3 per cent., the largest decline being supplied by oats, while both wheat and corn reacted slightly. The latter, however, is still stubbornly supported at a position that is abnormal, and until the new crop begins to move the index number must reflect the exceptional scarcity of this cereal. Barley, rye and peas are strong.

Meats advanced 6 per cent. during March, a somewhat exceptional occurrence considering the easier level of fodder. Live hogs and beef, mess pork, bacon, ham and lard all secured a materially higher position, and the change is doubtless due to the fact of earlier hasty marketing in order to avoid feeding stock during the winter and the resultant diminished arrivals of full-weight animals. Cured meats have also had the further support recently of large purchases for use by the British army.

A slight net decline appears in the miscellaneous food products, due to lower figures for tobacco and spices, but hops and malt both advanced a shade. None of the changes in this class were important, and no alteration at all was recorded in sugar, coffee, whiskey, tea, fish or salt. A small appreciation in the miscellaneous department was due to the strengthening tendency of building materials, as the open weather greatly facilitated outdoor work. Turpentine, soap and drugs were also higher, while hemp declined. All clothing items averaged slightly lower, without any alterations of importance. A further decline occurred in crude rubber, making the reaction almost without interruption since May 1, 1901, but cotton and wool rose slightly, while hides, leather, boots and shoes all averaged lower.



Paint Display used by James S. Neill at the Fredericton, N.B., Provincial Fair.

LABOR CONDITIONS IN ROSSLAND

Acting United States Consular Agent Ohren writes from Rossland, B.C., March 8, 1902:

"Rossland is recovering from the effects of the recent labor troubles, which caused disastrous depression. At some of the mines, the miners have not yet arrived at a settlement with the owners, and those mines are worked by what the unions here call 'unfair labor.' The merchants inform me that business is steadily increasing. Commercial travellers whom I have questioned say that Rossland is the most prosperous town in this section of the country, in spite of the fact that labor troubles have for several months caused an almost complete cessation of labor at the mines. The Le Roi mine, on February 27, 1902, added 42 men to its workers, who are to engage in sinking new shafts and drifts. The shipments from the mines have increased wonderfully, and I expect that those for the year ended June 30, 1902, will far exceed the exports of the previous year. The exports from this consular agency during the past month were valued at $424,541."

INQUIRIES ABOUT CANADIAN GOODS.

INQUIRIES regarding Canadian goods received by the Canadian section of the Imperial Institute, London, England:

1. A Liverpool firm desires the names of Canadian producers of black ash and basswood boards, also of birch chair seats.

2. An inquiry has been received for the names of Canadian manufacturers of excelsior.

3. A London house wishes to hear from Canadian lumber manufacturers who can contract for regular supplies of basswood boards cut to lengths and glued together.

4. A North Country firm of manufacturing confectioners desires information as to the particular kinds of confectionery in demand in Canada and also the names of the leading importers of these goods.

5. A house in Hamburg, Germany, wishes to be supplied with the names of Canadian exporters of pigs' heads in pickle and feet in salt; also various kinds of bacon.

6. A manufacturer of vulcanite pens, nibs and other stationery lines is prepared to appoint capable Canadian resident agent.

7. A firm claiming a large connection in all parts of the United Kingdom with the trade wishes to secure a first-class Canadian agency in white mouldings for pictures, hardwood mouldings, mouldings for mantels, etc.

8. A manufacturer of all sorts of deed and cash boxes, etc., seeks Canadian resident agent to introduce their goods.

[Names of the firms making the above inquiries can be obtained on application to the editor of HARDWARE AND METAL. When inquiring, kindly give date of issue and number of paragraph.]

BUSINESS FOR SALE.

HARDWARE BUSINESS, IN A GROWING town. Prosperous farming section. Good location and premises. Opening for plumbing in connection. Business established thirty years. Owner has other interests. Address, Box 74, HARDWARE AND METAL, Montreal or Toronto. (8-tf.)

Stove Bricks in Variety.

We don't have to make a kiln and then burn it before filling your order. Prompt shipment is one of our mottoes. We have over 200 varieties of bricks, and all kinds of fire clay products, furnace cement, etc., always in stock. Catalogue upon application.

JONES BROS., Bracondale, P.O., Ont.

Canadian Wringer Co.

Manufacturers of the following

CLOTHES WRINGERS

Queen,	Eureka,
Royal Canadian,	New Eureka,
New Metropolitan,	Stone,
New Lightning,	Jubilee Ball Bearing
	Etc., Etc.

All our Rolls are of Solid White Rubber and Vulcanized to Shaft. . . . Send for Catalogue and Discounts.

16 SHEPPARD STREET, TORONTO.

TOOLS

We make tools required by

Stone Workers, Cement Workers, Paving, Building, Sewer and Railroad Contractors.

Likewise Special Wrought Iron or Steel Work to drawings. Estimates promptly furnished for any quantity. You ought to know our advantages. Correspondence solicited.

W. H. ANDERSON & SONS,

Factory and Main Office— DETROIT, MICH

Canadian Branch, with Eureka Planter Co., WINDSOR, ONT.

Wanted—An Agent

ON COMMISSION

TO REPRESENT

Cocker Brothers, Ltd., Fitzalan Works, Sheffield, Eng.,

Manufacturers of high-grade Tool Steel, Die Blocks, etc. Also Wire in Coils, and Drill Rods, Ramsbottom's Piston Rings and Spiral Springs.

Apply direct, giving previous experience.

Lace Leather

Send direct to us for the celebrated "NIAGARA" Brand Lace Leather, best produced in this country. Yellow and White in Sides or Cut Strings. Prices and Samples on application.

WOOD BROS.
Tanners of High-Class Leathers,
ST. CATHARINES, ONT.

SOUTH AFRICAN MARKETS.

ROBERT CROOKS & CO., Stock Exchange Building, MONTREAL.

GENERAL IMPORTING AND EXPORTING MERCHANTS.

HAVE THEIR OWN OFFICES ESTABLISHED AT

CAPE TOWN,
PORT ELIZABETH,
DURBAN,
JOHANNESBURG,
} SOUTH AFRICA.

CORRESPONDENCE AND CONSIGNMENTS SOLICITED.

OFFICES ALSO AT

LIVERPOOL, LONDON, } England. NEW YORK, CHICAGO, } U.S.A.

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY MONTREAL.

"Triumph" Adjustable Stove Pipe

WANTED—Travellers covering the Provinces, except Ontario, to carry this Stove Pipe as a side line.

Edwin Chown & Son, Kingston, Ont.

GALVANIZING

Our plant is modern, and capacity large. Prices O.K. Other branches:

WINDMILLS, PUMPS, TANKS, FOUNDRY WORK, ETC., ETC.

Ontario Wind Engine & Pump Co, Limited, 505 Atlantic Ave., Toronto.

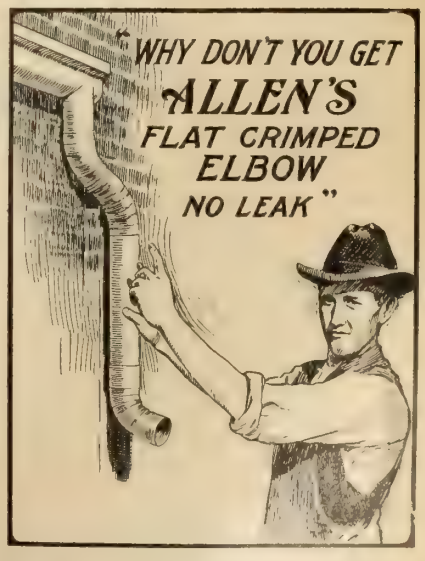
CARRIAGE BUYERS
should demand
DUNLOP TIRES



Nothing but good wear can come from Dunlop Tires, because nothing but good rubber goes into them. Dunlop Tires are made for Autos and Bicycles.

Dunlop Tire Co., Limited, Toronto.







2, 3, and 4-in. Tin and Galvanized Conductor Elbows, for sale by all leading jobbing houses.

Made by GEO. ALLEN,
BURLINGTON, ONT.

MANITOBA MARKETS.

Winnipeg, April 7, 1902.

IN actual hardware there is nothing new to report. Business is good in all lines and prices are holding steady. In paints and oils trade is quite active and there have been two changes of importance in the price list. Turpentine has advanced 2c. per gallon, making the new quotation 75c. in barrels. Linseed oil on the contrary has dropped 3c. per gallon, present quotations being 85 and 88 respectively.

BINDER TWINE—The week has been eventful as to the twine market. The majority of the large manufacturers have withdrawn quotations from this market. The reason for this would appear to be that at present it is impossible to forecast the market for twine, and if the crop should be a very heavy one in Manitoba and the Territories the present supplies of hemp would hardly be sufficient for the twine required. It is thought that the manufacturers in withdrawing quotations are simply playing a waiting game with a hope of higher prices than could be secured if contracts were made now. In the meantime quotations are nominally the same as they were in March when the market opened.

The price list is as follows :

Barbed wire, 100 lb	$3 30
Plain twist	3 40
Staples	3 95
Oiled annealed wire, No. 10	3 85
" " 11	3 90
" " 12	3 95
" " 13	4 10
" " 14	4 25
" " 15	4 35
Galvanized wire, 6 to 8 gauge	4 00
" 9 "	3 50
" 10 "	4 05
" 11 "	4 20
" 12 "	3 65
" 13 "	3 75
" 14 "	4 45
" 15 "	4 60
" 16 "	4 75
Wire nails, 30 to 60 dy, keg	3 25
" 16 and 20	3 35
" 10	3 35
" 8	3 45
" 6	3 50
" 4	3 65
" 3	3 90
Coil chain, 3-16 inch	10½
" ¼ inch	8¾
" 5-16 inch	5½
" ⅜ inch	5¼
" 7-16 inch	5
" ½ to ¾ inch	4¾
Cut nails, 30 to 60 dy	3 05
" 20 to 40	3 10
" 10 to 16	3 15
" 8	3 20
" 6	3 25
" 4	3 35
" 3	3 70
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to No 1	4 65
No. 2 and larger	4 40
Snow shoes, No. 0 to No. 1	4 90
No. 2 and larger	4 40
Steel, No. 0 to No. 1	4 95
No. 2 and larger	4 70
Bar iron, $2.70 basis.	
Swedish iron, $5.00 basis.	
Sleigh shoe steel	3 25
Spring steel	3 25
Machinery steel	3 75
Tool steel, Black Diamond, 100 lb	8 50
Jessop	13 00
Sheet iron, black, 10 to 20 gauge, 100 lb.	3 50
20 to 26 gauge	3 75
28 gauge	4 00
Galvanized American, 16 gauge	2 79
18 to 22 gauge	4 75
24 gauge	5 00
26 gauge	5 25
28 gauge	5 50
Genuine Russian, lb	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 75
26 gauge	8 00
28 gauge	8 50
Tinplate, IC charcoal, 20 x 28, box	11 00
" IX "	13 00
" IXX "	15 00
Ingot tin	33
Canada plate, 18 x 21 and 18 x 24	3 75
Sheet zinc, cask lots, 100 lb	7 00
Broken lots	7 50
Pig lead, 100 lb	6 00
Wrought pipe, black up to 2 inch	50 and 10 p.c.
" Over 2 inch	50 p.c.
Rope, sisal, 7-16 and larger	$13 50
" ⅜	14 00
" ¼ and 5-16	14 25
Manila, 7-16 and larger	17 00
" ⅜	17 50
" ¼ and 5-16	18 00
Solder	18
Cotton Rope, all sizes, lb	17
Axes, chopping	$ 7 50 to 12 00
" double bitts	12 00 to 18 00
Screws, flat head, iron, bright	87½
Round " "	82½
Flat " brass	80
Round " "	75
Coach	57½ p.c.
Bolts, carriage	50 p.c.
Machine	50 p.c.
Tire	60 p.c.
Sleigh shoe	65 p.c.
Plough	40 p.c.
Rivets, iron	50 p.c.
Copper, No. 8	26
" No. 12	30
Bluestone, cask lots	$5 50
Spades and shovels	40 p.c.
Harvest tools	60, 10 and 10 p.c.
Axe handles, turned, s. g. hickory, doz.	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 75
No. 1	1 25
Files common	70, and 10 p.c.
Diamond	60
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	30 p.c.
" military	15 p.c.
American R.F.	30 p.c.
C.F. pistol	5 p.c.
C.F. military	10 p.c. advance.
Loaded shells :	
Eley's soft, 12 gauge black	16 50
chilled, 12 gauge	18 00
soft, 10 gauge	21 00
chilled, 10 gauge	23 00
Shot, Ordinary, per 100 lb	6 25
Chilled	6 75
Powder, F.F., keg	4 75
F.F.G.	5 00
Tinware, pressed, retinned	75 and 2½ p.c.
" " plain	70 and 15 p.c.
Graniteware, according to quality	50 p.c.

PETROLEUM.

Water white American	25½ c.
Prime white American	24c.
Water white Canadian	22c.
Prime white Canadian	21c.

BINDER TWINE.

Sisal and Standard f.o.b. Winnipeg	$ 11⅝
Manila, 550 feet	12⅞
Manila, 600 feet	14⅛
Pure Manila	15⅝
Five-ton lots ½c. less per lb., and car-lots ¼c. less.	

SCRAP.

No. 1 cast iron	$13 to $14 per ton
No. 2 "	5 to 6 "
Wrought iron scrap	5 "
Copper (heavy)	7c. per lb.
Yellow brass (heavy)	8c. "
Light brass	5c. to 6c. "
Lead pipe, or tea lead	2c. to 2½c. "
Zinc scrap	1c. "

PAINTS, OILS AND GLASS.

Turpentine, pure, in barrels	$ 75
Less than barrel lots	80
Linseed oil, raw	85
Boiled	88
Lubricating oils, Eldorado castor	29
Eldorado engine	28½
Atlantic red	29½
Renown engine	41½
Black oil	20
Cylinder oil (according to grade)	55 to 74
Harness oil	65
Neatsfoot oil	90
Steam refined oil	85
Sperm oil	2 00
Pure castor oil, East India	11
Lubricating	10
Glass, single glass, first break, 16 to 25 united inches	2 50
26 to 40 per 50 ft.	2 75
41 to 50 " 100 ft.	6 00
51 to 60 " " "	6 50
61 to 70 per 100-ft. boxes	7 00
Putty, in bladders, barrel lots per lb.	2½
kegs "	2¾
White lead, pure per cwt.	6 50
No. 1 "	6 00
Prepared paints, pure liquid colors, according to shade and color, per gal.	$1.30 to $1.90

NOTES.

The James Smart Manufacturing Company are adding a full line of wholesale hardware to the stoves and furnaces with which they opened their warerooms last fall.

Mr. Horace Wilson, who formerly managed for Clare Bros., will in future handle the goods of Finlay Bros., stove manufacturers, Carleton Place, and the furnaces of The Ottawa Foundry Company.

Some idea of the intention of increasing elevator capacity in Manitoba may be gathered from the fact the Vulcan Iron Works have supplied no less than 12 plants since January, an almost unprecedented occurrence for this season of the year.

A HEAVY LOSS.

Guindon & Co., Valleyfield, Que., were burned out last week. The fire originated in the cellar, and was caused by a combustion of oakum. Both the building and stock were totally destroyed. The stock was valued at $30,000 and was insured for $16,000. Messrs. Guindon expect to start business again in a week or two, and Mr. Guindon would like to have statements of his January and February accounts with the different firms he was dealing with mailed to him without delay. He is also open to receive any catalogues and booklets.

HARDWARE AND METAL and the trade in general extend to the firm their sympathy in the loss it has sustained.

A NEW FIRM.

Notice has been given at the Tutelle office, in the court house, Montreal, by Messrs. Thomas J. Drummond, of Drummond, McCall & Co., iron and metal importers, etc., and Edgar McDougall, of the Caledonian Iron Works Co., both of Montreal, that since April 1, 1902, they have together been doing business at Hamilton, Ont., under the style of The Canadian Iron and Foundry Company, manufacturers and dealers in iron and steel castings, car wheels, etc. The head office of the new firm is to be in Montreal.

John Bowman

HARDWARE & COAL CO.

LONDON, ONT.

Our stock of goods for the spring trade is now complete, and we can fill all orders promptly on the following lines :

Wire, Nails, Cordage, Window Glass, White Lead, Paints, Whiting, Churns, Linseed Oil, Spades and Shovels, Screen Doors, Wove Wire, Poultry Netting, Builders' Hardware, Guns and Sporting Goods. Finest stock in the Province of Cutlery.

Prompt Shipment. Prices Right.

DOMINION WIRE MANUFACTURING CO.

Limited

MONTREAL and TORONTO.

We Manufacture

IRON
STEEL
BRASS
AND
COPPER
WIRE

and the following products of same :



Wire Nails
Wood Screws
Bright Wire Goods
Barbed and Plain Fencing
Fence
Poultry
Bed
Blind
STAPLES
Cotter Pins
Jack Chain
Door Pulls
"Crescent" Hat and Coat Hooks



Kitchen Range Boilers

SEP 29 1902
RETURNED

"APOLLO" GALVANIZED

Made of "Apollo" Open-Hearth Steel. Severely tested at 200 lbs. before galvanizing (making tightness doubly sure), and are perfectly galvanized inside and out.

25, 30, 35, 40, 52-Gallon.

PRICES ON APPLICATION.

THE THOS. DAVIDSON MFG. CO., Limited, MONTREAL, P.Q.

ESTABLISHED 1860. INCORPORATED 1895.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

Montreal, April 11, 1902.

HARDWARE.

THE market for general hardware is in a most healthy condition, and every dealer reports a big week's business. Most of the wholesale houses are working several nights in the week in order to keep abreast of the demand and to make deliveries of goods in the time called for. The meeting held last week in Montreal did not result in any change in the price of wire nails, a majority of those present deciding that such was not necessary at present. Some scarcity in bar iron and spikes is reported, due to the closing down of such mills as derive their power from the Lachine canal, from which the water will be out until May 1. The changes in quotations this week include Acme frying pans, which have advanced about 10 per cent., and the new price for 2-0, is $1.02; for 1-0, $1.15; No. 1, $1.37; No. 2, $1.51; No. 3, $1.70; No. 4, $1.92; No. 5, $2.20; No. 6, $2.61; No. 7, $3.02. The advances follow that in the raw material. The discount on lead pipe was changed on April 1, and is now 37½ per cent. instead of 35 per cent. off the same list. On weigh beams the discount has been advanced to 35 per cent., instead of 15 per cent. Some dealers are quoting $2.85 now for reeled machinery steel, a drop of 15c. The early opening of spring has stimulated the demand for several lines, including carpet beaters and sweepers, rubber hose and garden tools, etc. All sorts of kitchen utensils are also moving well. A splendid sorting trade is reported for the week.

BARB WIRE.—A brisk trade continues, and heavy deliveries are in progress. The same price is quoted, though the market is as firm as ever. We quote $3 per 100 lb. f.o.b. Montreal.

GALVANIZED WIRE. There is a moderate demand, and our quotations are: Nos. 6, 7 and 8 gauge, $3.45; No. 9, $2.80; No. 10, $3.55; No. 11, $3.65; No. 12, $2.95; No. 13, $3.05; No. 14, $4.05 No. 15, $4.55; No. 16, $4.80; No. 17, $5.20; No. 18, $5.45.

SMOOTH STEEL WIRE.—The market is still quiet and featureless. We quote: Bright iron and annealed on a base of $2.60 per 100 lb., f.o.b. Montreal, Toronto, Halifax, London, Hamilton and St. John. Net extras, per 100 lb. are as follows: Coppered wire, 60c.; tinned wire, $2; oiling, 10c.; spring wire, $1.25; best steel wire, 75c.; bright soft drawn, 15c.; special hay-baling wire, 30c.

FINE WIRE.—There is very little doing in fine wire, and no quotable change to note. The discount is unchanged from 22½ per cent.

BRASS AND COPPER WIRE.—Trade shows little or no improvement this week, the demand being still a small one. Both brass and copper wire are discounted at 60 per cent.

FENCE STAPLES. Along with barb wire these are moving well, and the market is in the best of condition. Prices are steady. We quote: $2.90 per 100 lb. keg, for bright, and $3.25 for galvanized. 25 and 50-lb. packages, 25c. extra.

WIRE Nails.—There is a splendid business doing in wire nails. The present prices are well maintained. We quote: $2.55 for small lots and $2.50 for carlots f.o.b. Montreal, London, Hamilton, Toronto, Gananoque, Brantford, Windsor, Ont., St. John and Halifax.

CUT NAILS.—Cut nails are not in as active demand as wire nails, though there is a fair amount of business passing at steady prices. We quote $2.35 per keg, in small lots, and $2.27½ for carlots. The discount on flour barrel and coopers' nails remains at 40 per cent.

HORSE NAILS.—A large number of orders are still being booked for immediate delivery, and the market is active, but steady. We quote: "C" brand at 50 and 7½ per cent. off and "M" brand at 60 per cent. off on oval and new city heads and 66 2-3 per cent. off for new countersunk heads.



The "Model" Refrigerator.

Equal to the highest grade but sold at a moderate price.

The "Model" is built of the best quality of thoroughly kiln-dried lumber and pannelled all round, which makes it extra strong, and prevents any possibility of warping.

Its beautiful golden oak finish gives it a much better appearance than many of the higher-priced refrigerators.

Has strong, perfectly fitting, and self-retaining casters—they never fall out.

The ice-rack and shelves are made of galvanized steel, are removable and easily cleaned.

Zinc lining in the "Model" keeps the Refrigerator dry adds to its insulating qualities, and saves ice.

We also have the well-known **"Leonard" Cleanable Refrigerators.**

Place a sample of these lines in your showroom. They are good sellers.

The McClary Manufacturing Co.,

LONDON, TORONTO, MONTREAL, WINNIPEG, VANCOUVER, AND ST. JOHN, N.B.

"Everything for the Tinshop"

ENGLISH
GERMAN
BELGIAN
CANADIAN
AMERICAN
} PORTLAND CEMENTS.

FIRE
BUILDING
ENAMELLED
SILICA
MAGNESIA
} BRICKS.

DRAIN
CULVERT
} PIPES.

F. HYDE & CO.

31 WELLINGTON ST., MONTREAL

. . FULL STOCK . .

Salt Glazed Vitrified

SEWER PIPE

Double Strength Culvert Pipe a Specialty.

THE CANADIAN SEWER PIPE CO.

HAMILTON, ONT. TORONTO, ONT.
ST. JOHNS, QUE.

Deseronto Iron Co.

LIMITED

DESERONTO, ONT.

Manufacturers of

CHARCOAL PIG IRON

BRAND "DESERONTO."

Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

The Robin Hood Powder Company

If you want the best Trap or Game load in the world, buy "Robin Hood Smokeless," in "Robin Hood" Shells. It is quick, safe, and reliable. Try it for pattern and penetration from forty to seventy yards against any powder on the market. We make the powder, we make the shells, and we load them. Write for our booklet, "Powder Facts."

The Robin Hood Powder Company

SWANTON, VT.

HORSESHOES.—An excellent demand continues. We quote as follows: Iron shoes, light and medium pattern, No. 2 and larger, $3.50; No. 1 and smaller, $3.75; snow shoes, No. 2 and larger, $3.75; No. 1 and smaller, $4; X L steel shoes, all sizes, 1 to 5, No. 2 and larger, $3.60; No. 1 and smaller, $3.85; feather-weight, all sizes, $4.85; toe weight, steel shoes, all sizes, $5.95 f.o.b. Montreal; f.o.b. Hamilton, London and Guelph, 10c. extra.

SCREWS.—Screws are going well, but there is nothing new in the way of quotations to report. Discounts are: Flat head bright, 87½ and 10 per cent. off list; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.

BOLTS.—The somewhat dull feeling which has prevailed in this line since the advance a couple of weeks ago shows signs of improving. This week there has been a notable increase in the demand, and trade is in a much better condition. We quote: Norway carriage bolts, 55 per cent.; common, 50 per cent.; full square carriage bolts, 55 per cent.; machine bolts, 50 and 5 per cent.; coach screws, 66 2-3 per cent.; sleigh shoe bolts, 65 and 5 per cent.; blank bolts, 50 and 5 per cent.; bolt ends, 50 and 5 per cent.; plough bolts, 50 and 5 per cent. To any retailer an extra discount of 10 per cent. is allowed. Tire bolts, 67½ per cent.; stove bolts, 67½ per cent. Nuts, square, 3½c. per lb. off list; hexagon nuts, 3¾c. per lb. off list. To all retailers an extra discount of ¼c. per lb. is allowed.

BUILDING PAPER.—There is an active movement in building paper this week and business bids fair to continue in good shape for some time. No changes have been made in prices. We quote: Tarred felt, $1.70 per 100 lb.; 2-ply, ready roofing, 85c. per roll; 3-ply, $1.10 per roll; carpet felt, $2.25 per 100 lb.; dry sheathing, 30c. per roll; tar sheathing, 40c. per roll; dry fibre, 50c. per roll; tarred fibre, 60c. per roll; O K and I X L, 65c. per roll; heavy straw sheathing, $30 per ton; slaters' felt, 60c. per roll.

CORDAGE.—Spring business in cordage is well up to the mark. The approaching opening of navigation has created a demand for cordage for use on boats, etc. Quotations follow: Manila, 16c.; British manila, 14c.; sisal, 12½c.; lathyarn, 11c. Prices on binder twine are as follows: Blue ribbon, 650 feet to the pound, 14½c.; Redcat, 600 feet to the pound, 13½c.; Tiger, 550 feet to the pound, 12½c.; Standard, 500 feet to the pound, 11c.; sisal, 500 feet to the pound, 11c. Prices are subject to a rebate of ¼c. in carload lots.

RIVETS AND BURRS.—Trade continues in its active condition. Discounts are: Best iron rivets, section, carriage, and wagon box, black rivets, tinned do., coopers' rivets and tinned swedes rivets, 60 and 10 per cent.; swedes iron burrs are quoted at 55 per cent. off; copper rivets, 35 and 5 per cent. off, and coppered iron rivets and burrs, in 5-lb. carton boxes, are quoted at 60 and 10 per cent. off list.

SCREEN WIRE CLOTH.—There is a fair demand, and the price remains at $1.25 per 100 square feet.

POULTRY NETTING.—A good sorting trade is being done. We quote the discount on Canadian or English, 60 per cent. off 2 x 2 mesh, 19 wire, and 55 per

THE BEST BRANDS

TINPLATES
"Allaways" Charcoal.
"Lydbrook," "Trym," "Grafton" Cokes.

TINNED SHEETS
"Wilden" Best Coke or Charcoal.

TERNE PLATES
"Dean," dull finish.

CANADA PLATES
"Dominion," polished.

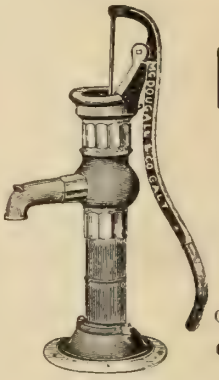
Accept no Substitutes.

A. C. LESLIE & CO.

MONTREAL.

THE R. McDOUGALL CO., Limited,
GALT, ONT.

Manufacturers of



Iron and Brass
PUMPS
FOR ALL SERVICES.
FORCE PUMPS,
LIFT PUMPS,
CISTERN PUMPS,
HAND OR POWER PUMPS
OF ALL KINDS.

Catalogue for the asking.

OUR MOTTO: "The best quality and right prices."

ADAM HOPE & CO.

Hamilton, Ont.

We offer for prompt shipment

Pig Tin,
L. & F. and STRAITS.
Ingot Copper, O.C.
Pig Lead.
Spelter.
Antimony.

NOVA SCOTIA STEEL & COAL CO., Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN
OPEN HEARTH STEEL.



It's a good thing to remember always to sell

Elastilite Varnish

to a customer you are particularly anxious to please.

Nothing better at any price. No other so good at the same price.

Put up in tins only, from ½-pints to 1 gallon.

MANUFACTURED ONLY BY

The Imperial Varnish & Color Co. LIMITED

Toronto, Ont., Canada.

Canadian Agents for Buehne's "Red, White and Blue" Brand Steel Wool.

DROP US A LINE TO-DAY FOR COLOR CARDS.

NOT PRICE, BUT VALUE

It is not the Price of

"Ark Brand" Paint

that has made it so famous. You can buy lots of cheaper paint.

It is the Value of

"Ark Brand" Paint

which wins the customer and holds him. Its value cannot be beaten. We give a guarantee with every can.

THE FRANCIS-FROST CO. Limited

TORONTO.

Canadian Distributing Agents for Grippin's Crack Filler.

cent. off 2 x 2 mesh, heavier. Canadian list.

HARVEST TOOLS.—These are in active demand. The discount is 60, and 10 and 10 per cent.

FIREBRICKS.—The inquiry for firebricks is only fair, and the market is featureless. Scotch are quoted at $19 to $23.50, and English at $18.50 to $22.50 per 1,000.

CEMENT.—The cement market is quiet. Prices are unchanged. Quotations follow: German cement, $2.30 to $2.40; English, $2.25 to $2.35; Belgian, $1.70 to $1.95 per bbl. ex-wharf, and American, $2.20 to $2.30 ex-cars.

METALS.

The metal market, speaking generally, is active and still firm, although, in the primary markets, a certain amount of weakness has been shown in some lines. Canada plates and tinplates on the English market are also a little easier, due, in a great measure, to the fact that buyers have, for the most part, placed their orders, and the present demand is light. It is reported that the cargo of the wrecked steamer Lake Superior is badly damaged. Importers here who had a quantity of galvanized iron on board do not expect to receive their goods in very good shape, and some inconvenience will be felt by customers. The only noteworthy change has been in lead pipe.

PIG IRON.—There is no change to report in this market. The firm feeling is still prevalent. Canadian sells for $18.50 to $19, and Summerlee at $21 to $21.50.

BAR IRON.—Bar iron is still somewhat scarce, and the demand keeps up. Horseshoe iron is now quoted at only the one price, $2.20, instead of $2.15 to $2.20. Merchants' bar, in small lots, is worth $1.95.

BLACK SHEETS.—There is an active inquiry at unchanged quotations. Our quotations are as follows: 28 gauge, $2.65; 26 gauge, $2.60; 20 to 24 gauge, $2.50, and 8 to 20 gauge, $2.50.

GALVANIZED IRON.—This is in moderate demand. Quotations follow: No. 28, Queen's Head, $4.40; Apollo, 10¾ oz., $4.40; Comet, $4.25, with 10c. extra for less than case lots.

INGOT COPPER.—There is no improvement in the demand, and 14c. is still quoted.

INGOT TIN.—A fairly good business is now passing in ingot tin, but the price has not changed and we still quote 29c. for Straits.

PIG LEAD.—The demand for pig lead is no more than moderate, though it is an improvement over a week ago. The price remains at $3.25.

LEAD PIPE.—The discount has been altered to 37½ per cent. in place of 35 per cent. List prices are unchanged at 7½c. for composition waste and 7c. for ordinary.

IRON PIPE.—An active market still prevails and the firm feeling is retained. Our quotations are now as follows: Standard pipe, per 100 ft., screwed and coupled, in lengths under 19 feet, as follows: Black pipe, ⅛, $3; ¼, $2.40, ⅜, $2.65; ½, $3; ¾, $3.70; 1-in., $5.25; 1¼, $7.40; 1½, $8.90; 2-in., $12.40. Galvanized, ¼, $3.20; ⅜, $3.45; ½, $4; ¾, $5.05; 1-in., $7.25; 1¼, $10.10; 1½, $12.15; 2-in., $16.70. Extra heavy pipe, plain ends, are quoted, per 100 feet, as follows: Black, ½, $4.35; ¾, $5.30; 1-in., $7.60; 1¼, $10.60; 1½, $12.70; 2-in., $17.45. Galvanized, ½, $5.35; ¾, $6.70; 1-in., $9.60; 1¼, $13.30; 1½, $15.95; 2-in., $21.75. For threads and couplings 5 per cent. is added.

TINPLATES.—Locally, there has been no change in the situation. A moderate trade continues. The foreign market, however, shows some weakness. Cokes are worth $4.25 per box and charcoal, $4.75 to $5.25 per box.

CANADA PLATE.—Canada plate is easier on the English market, but this is likely to be only temporary. Here, there is a continued active inquiry at unchanged but firm prices. We quote as follows: 52's, $2.65 to $2.70; 60's, $2.75 to $2.80; 75's, $2.80 to $2.85; full polished, $3.75, and galvanized, $4.25 to $4.35.

STEEL.—There is a good demand. A number of dealers have reduced their price on reeled machinery steel to $2.85, a decline of 15c. We quote: Sleighshoe, $2.10; tire, $2.15; bar, $2.05; spring, $2.85; reeled machinery, $2.85; toecalk, $2.60.

SHEET STEEL.—There is still only a small amount of business doing, and no quotable change is reported. We quote: Nos. 10 to 20, $2.50; 3-16, $2.50; ¼, 5-16 and ⅜, $2.40.

TOOL STEEL.—The inquiry is not great, but some improvement is noted. Jessop's sells for 13c., and Diamond for 8c.

TERNE PLATES.—Very quiet at $7.75 to $8.00.

COIL CHAIN.—The market is quiet and unchanged. We quote as follows: No.

6, 12½c.; No. 5, 10½c.; No. 4, 10c.; No. 3, 9½c.; ¼-in., 7¼c. per lb.; 5-16, $4.80; 5-16 exact, $5.25; ⅜, $4.25; 7-16, $4.05; ½, $3.85; 9-16, $3.75; ⅝, $3.55; ¾, $3.50; ⅞, $3.45; 1-in., $3.45. In carload lots an allowance of 10c. is made.

SHEET ZINC.—A few orders are being received, but, on the whole, the market is quiet. The price remains at $5.75 to $6.25.

ANTIMONY.—We quote 10c.

ZINC SPELTER.—There is little or no improvement. The price is 5c.

SOLDER.—This market is in a healthy condition and prices are steady and unchanged. Bar solder sells at 18c., and wire solder at 20c.

PAINTS AND OILS.

The absorbing feature of the paint and oil market is the sudden drop in the price of turpentine from 78c. to 72c. That the drop was unexpected is undoubted, as the opinion held by most operators here was that the scarcity of turpentine, combined with a very good demand, would keep the price up to last week's figure for some time. But it is likely that the reduction is owing to the fact that supplies have been coming in considerably better than was anticipated, and as the high price which was lately asked must have reduced the consumption to some extent, the market became overstocked, and the drop in price naturally followed. At the present quotation the market is quite firm, and no one is looking for a decline. Linseed oil is stationary. The market is bare and stocks low. A good many have orders waiting for the first arrivals, but it is reported that oil has been sold for delivery at a price as low as the new oil will cost. The early opening of spring has caused buyers to ask for deliveries of their orders immediately, and business in shipping is very active in the general list of paints and oils. We quote:

WHITE LEAD.—Best brands, Government standard, $5.87½; No. 1, $5.50; No. 2 $5.12½; No. 3, $4.75; No. 4, $4.37½ all f.o.b. Montreal.

DRY WHITE LEAD—$5.25 in casks; kegs, $5.50.

DRY WHITE ZINC — Pure dry, 6¼c.; No. 1, 5¼c.; in oil, pure, 7¼c.; No. 1, 6¼c.; No. 2, 5¼c.

PUTTY — We quote: Bulk, in bbls., $1.90 per 100 lb.; bulk, in less quantity, $2.05; bladders, in bbls., $2.25; bladders, in 100 or 200 lb. kegs or boxes, $2.40; in tins, $2.55 to $2.65; in less than 100-lb. lots, $3 f.o.b. Montreal, Ottawa, Toronto, Hamilton, London and Guelph. Maritime Provinces, 10c. higher, f.o.b. St. John and Halifax.

ORANGE MINERAL—Casks, 7c.; 100 lb. kegs, 7¼c.; smaller quantities, 8¼c.

RED LEAD — Genuine red lead in casks, $4.50; in 100-lb. kegs, $4.75; less quantities, $5.75 per 100 lb. No. 1 red lead, casks, $4.25; kegs, $4.50, and smaller quantities, $5.50.

LITHARGE—Ground, casks, 5c.; less, 5½c.; flake litharge, casks, $5.25; smalls, $5.75 per 100 lb.

LINSEED OIL.—Raw, 80c.; boiled, 83c. In 5 to 9 bbls., 1c. less; 10 to 20 bbl. lots open, net cash, plus 2c. for four months. Delivered anywhere in Ontario between Montreal and Oshawa at 2c. per gal. advance and freight allowed.

TURPENTINE.—Single bbls., 72c.; 2 to 4 bbls., 71c.; 5 bbls., and over, open terms.

SHELLAC VARNISH — Pure white, $2.35 to $2.45; orange, $2.25 to $2.35.

MIXED PAINTS—$1.20 to $1.45 per gal.

CASTOR OIL—8¾ to 9¼c. in wholesale lots, and ½c. additional for small lots.

SEAL OIL.—47½ to 49c.

COD OIL—32½ to 35c.

PARIS GREEN — Petroleum barrels, 16¾c. per lb.; arsenic kegs, 17c.; 50 and 100-lb. drums, 17½c.; 25-lb. drums, 18c.; 1-lb. packages, 18½c.; ½-lb. packages, 20½c.; 1-lb. tins, 19½c.; ½-lb. tins, 21½c. f.o.b. Montreal. Terms: 3 per cent. 30 days, or four months from date of delivery.

SCRAP METALS.

The market for scrap metals shows no material change from last week. A quiet feeling prevails. The scarcity of iron of all kinds has not been relieved. We quote: Heavy copper and wire, 11c. per lb.; light copper, 8c.; heavy red brass, 11c.; heavy yellow, 9c.; light brass, 5c.; lead, 2⅝ to 2⅝c.; zinc, 2¼c.; iron, No. 1, wrought, $18; No. 2, $8 per ton; machinery scrap, $15; stove plate, $10 to $11; malleable and steel, $5; mixed country rags, 60 to 70c. per 100 lb.; old rubbers, 6c. per lb.

GLASS.

The glass market is quiet. A few late orders are coming in which have to be delivered from stock. We quote as follows: First break, 50 ft., $2.10; second, $2.20 for 50 ft.; first break, 100 ft., $4; second break, $4.20; third break, $4.70; fourth break, $4.95.

HIDES.

The only quotable change in the hide market is the advance of 1c. in calf skins. There is not a great demand, and offerings during the week have increased. We quote as follows: No. 1 hides, 7c.; No. 2, 6c.; No. 3, 5c.; No. 1 calfskins, 11c.; sheepskins, 65c.

MONTREAL NOTES

Turpentine is 6c. lower.

Frying pans have advanced about 10 per cent.

Reeled machinery steel is quoted at $2.85, a decline of 15c.

The discount on lead pipe is now 37½ per cent., instead of 35 per cent.

The discount on weigh beams has been advanced to 35 per cent., in place of 15 per cent.

ONTARIO MARKETS.

Toronto, April 11, 1902.

HARDWARE.

WHILE there is still a large quantity of goods being shipped out by the wholesale hardware houses, the latter are, perhaps, not so busy as they were a week ago. A feature of the trade this week is the shipments that are going forward to connect with the boats on Lake Superior and Georgian Bay ports. Some of the boats begin running on Monday. This is much earlier than usual. There have been some changes in prices this week. Cotton cordage and cotton clothes lines are dearer. The discount on lead pipe is now 37½ per cent. instead of 35 per cent. as formerly. Fancy bolts are higher. These are about the only quotable changes. Payments are only fair.

BARB WIRE.—Shipments on orders booked some time ago are still going out freely and a good many orders for small quantities are being received. Prices are steady and unchanged. Quotations are: F.o.b. Cleveland, $2.77½ for less than carlots, and $2.65 for carlots. From stock Toronto, $3.



A handsome steel siding for all kinds of building purposes; supplied either Galvanized or Painted.

OUR ROCK FACED STONE

is fire and damp proof—resists all weather conditions—is very reasonably priced — and can be so easily applied it gives universal satisfaction.

Find further facts about it in our catalog.

Metallic Roofing Co., Limited,
Wholesale Manufacturers,
Toronto, - - Canada

GALVANIZED WIRE.—The movement is brisk. Quotations follow: Nos. 6, 7 and 8, $3.50 to $3.85 per 100 lb., according to quantity; No. 9, $2.85 to $3.15; No. 10, $3.60 to $3.95; No. 11, $3.70 to $4.10; No. 12, $3 to $3.30; No. 13, $3.10 to $3.40; No. 14, $4.10 to $4.50; No. 15, $4.60 to $5.50; No. 16, $4.85 to $5.35. Nos. 6 to 9 base f.o.b. Cleveland are quoted at $2.52½ in less than carlots and 12c. less for carlots of 15 tons.

SMOOTH STEEL WIRE.—There is an active trade this week in oiled and annealed fencing. In hay-baling wire very little is being done. Base price, $2.60 per 100 lb. Oiling, 10c.; coppering, 60c.; and tinning, $2 per 100 lb. extra. Delivery points Toronto, Hamilton, London and Montreal, with freights equalized on those points.

FINE STEEL WIRE.—The usual steady business is being done. Discount, 22½ per cent.

WIRE NAILS.—There is a steady demand and a good many shipments are going out. Our quotations are as follows: $2.55 for less than carlots and $2.50 for carlots. Delivery points, Toronto, Hamilton, London, Gananoque and Montreal.

CUT NAILS.—Some business is being done in shingle nails, but in ordinary cut nails trade is still small. Base price: $2.35 per keg, with 7½c. allowance on carlots.

HORSE NAILS.—Trade continues quiet. Discounts are as follows: "C" brand, oval head, 50 and 7½ per cent., and on "M" and other brands, 50, 10 and 5 per cent. Countersunk head 60 per cent.

HORSESHOES.—Business is only moderate. We quote f.o.b. Toronto as follows: Iron shoes, No. 2 and larger, light, medium and heavy, $3.60; snow shoes, $3.85; light steel shoes, $3.70; featherweight (all sizes), $4.95; iron shoes, No. 1 and smaller, light, medium and heavy

(all sizes), $3.85; snow shoes, $4; light steel shoes, $3.95; featherweight (all sizes), $4.95.

SCREWS.—Trade is still fairly active. The discounts are: Flat head bright, 87½ and 10 per cent.; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.; round head bronze, 65 per cent., and flat head bronze 70 per cent.

RIVETS AND BURRS.—The boilermakers are all busy and there is an active demand for rivets. Our quotations are as follows: Iron rivets, 60 and 10 per cent.; iron burrs, 55 per cent.; copper rivets, with usual proportion of burrs, 45 and 10 per cent.; copper burrs alone, 30 and 10 per cent.

BOLTS AND NUTS.—The demand for bolts is brisk and manufacturers are unable to fill orders promptly. Our quotations are as follows: Carriage bolts, common ($1 list), 50 per cent.; carriage bolts, full square ($2.40 list), 55 per cent.; carriage bolts, Norway iron ($3 list), 55 per cent.; machine bolts, all sizes, 50 and 5 per cent.; coach screws, cone points, 66 2-3 per cent.

FANCY BOLTS.—Such fancy bolts as elevator, shaft, step and whiffletree are higher, the discount being 50 per cent. instead of 50 and 10 per cent.

ROPE.—Business is good and fully up to the average in spite of the high prices. The price of manila is now 16c., against 13½c. the same time last year, and sisal is 12½c., against 10c. a year ago. We quote: Pure manila, 16c.; British manila, 14c.; sisal, 12½c.; lathyarn, 11c.; sisal bed cord, 3 cord, 48 ft., 65c.; 60 ft., 80c.; 72 ft., 95c. per doz.

COTTON CORDAGE, ETC.—An advance of 1 to 1½c. per lb. was made by the manufacturers on Thursday in cotton cordage, and of 7½ to 10 per cent. in cotton clothes lines.

BINDER TWINE.—Although no large orders are being booked, there is a good demand and prices are firm. There have been some slight advances in the United States lately. We quote: "Blue Ribbon," 650 ft., 14½c.; "Red Cap," 600 ft., 13½c.; "Tiger," 580 ft., 12½c.; sisal, 500 ft., 11 cents.

MILK CAN TRIMMINGS.—A fair business is still being done for this time of the year. Discount, 25 per cent.

EAVETROUGH, ETC.—The movement in eavetrough and conductor pipe is good. Eavetrough is now quoted at $3.10 per 100 feet for 10 in., and conductor pipe at $1 for 3 in., and $5.25 for 4-in.

SCREEN DOORS AND WINDOWS.—Quite a few shipments are now going forward. Common doors, 2 or 3 panel, are quoted f.o.b. factory points: Walnut, stained, 3-in. style, $6.80 per dozen; stained, yellow, $7; natural color, oil finish, $8.15; 4-in. style, 20c. extra per dozen. Windows: No. 0, $1.60; No. 1, $1.70; No. 2, $1.95; No. 3, $2.10; No. 4, $2.50 per dozen.

SPADES AND SHOVELS.—Both the supply and the demand are good. Discount, 40 and 5 per cent.

HARVEST TOOLS.—The demand continues active, and for some lines exceeds the supply. Discount 60, 10 and 10 per cent.

BUILDING PAPER.—A good trade is being done. We quote as follows: Dry sheathing, grey or straw, 30c. per roll; tar sheathing, grey or straw, 40c. per roll; dry fibre, 50c. per roll; tarred fibre, 60c per roll.

LAWN MOWERS.—Business is fair. The discount on high-wheel mowers is 50 per cent.; "Star" mowers, 9-in. wheels, $2.50 to $3; "Daisy" mowers, 17-inch wheels, $2.25 to $2.50.

POULTRY NETTING.—While a good deal of it is going out trade is pretty well over. We quote: 2-in. mesh, 19 w.g., discount, 60 per cent.; 2-in. mesh, 18 w.g. and heavier, 50 and 10 per cent.

GREEN WIRE CLOTH.—Prices have been advanced 5c., the quotation for 100 square feet now being $1.30. The sorting-up trade has not yet started, and most of the orders which had been booked have been filled.

CUTLERY.—A nice sorting-up trade is being done.

SPORTING GOODS.—Not many orders are being placed for sporting goods.

CEMENT.—Trade is becoming quite active, but the competition among manufacturers for the early orders is weakening the market. Quotations are as follows: Canadian Portland, $1.90 to $2.75; Canadian hydraulic, $1.25 to $1.50; German cement, $3; English, $3 to $3.15; Belgian, $2.50 to $2.75 per bbl., and American, $2.20 to $2.30 ex-cars.

METALS.

Business is keeping up well and prices are, on the whole, steady. The scarcity of iron and steel is still the feature of the trade.

PIG IRON.—The market is firm and the Canadian furnaces are filled up with orders. The price on track Toronto is about $19.50 to $20. One of the most interesting occurrences on the iron matket for some time is the purchase last week by The United States Steel Corporation of 225,000 tons of Bessemer iron.

BAR IRON.—The market is very strong. The difficulty of getting delivery is, if anything, rather more pronounced than it was even before. The sales agents of some of the mills will accept no more orders. We now quote $1.95 to $2.05. Extras cut to length while rolling: 2 ft. and over, 10c. per 100 lb.; 1 ft. and under 2 ft., 15c.; under 1 ft., 20c.; over 20 ft. by special agreement, according to length and size.

STEEL.—The steel market has lost none of its strength nor has the difficulty of getting orders filled lessened. And if the advices from the mills are any criterion it is not likely to be for some months. Quotations are: Merchantable cast steel, 9 to 15c. per lb.; drill steel, 8 to 10c. per lb.; "B C" and "Black Diamond" tool steel, 10 to 11c.; Jessop's, Morton's and Firth's tool steel, 14c.; toe-calk steel, $2.85 to $3; tire steel, $2.30 to $2.50; sleighshoe steel, $2.10 to $2.25; reeled machinery steel, $3; hoop steel, $2.90.

BLACK SHEETS.—The demand continues good and stocks light. We quote: Common, $3.15 for 28 gauge, dead flat, and $2.50 for 26 gauge.

CANADA PLATES.—Business is quiet and nearly all the orders for fall importation have been booked. We quote all dull, $3; half polished, $3.10; all bright, $3.75.

GALVANIZED SHEETS.—An active business is still being done in galvanized sheets, and the outside markets rule firm. Prices, locally, are unchanged at $4.50 for case lots, and $4.65 for smaller quantities.

TIN.—Since our last the primary markets have been somewhat irregular, with lower prices the net result, although at the time of writing the outside markets

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.
'WELLINGTON'
KNIFE POLISH
JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
Wellington Mills, London, England.
Agent:
JOHN FORMAN, 644 Craig Street
MONTREAL


COVERT MFG. CO.
West Troy, N.Y.
Steel Carriage and Wagon Jacks,
Harness Snaps, Chain, Rope and Web Goods, etc.
FOR SALE BY JOBBERS AT MFRS. PRICES.

PRIEST'S CLIPPERS


Largest Variety Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., U.S.A.

NEWMAN'S PATENT
INVINCIBLE FLOOR SPRINGS
Combine all the qualities desirable in a Door Closer. They work silently and effectually, and never get out of order. In use in many of the public buildings throughout Great Britain and the Colonies.
MADE SOLELY BY
W. NEWMAN & SONS, Birmingham.

Oneida Community Goods
HALTERS, COW TIES SNAPS, etc., etc.,
in all sizes and styles. May be had of all jobbers throughout Canada.
Factory—NIAGARA FALLS, ONT.

GARDEN AND ALL OTHER STYLES OF
WHEELBARROWS,
WASHING MACHINES,
ROUND AND SQUARE,
ROTARY AND REACTING.
Warehouse Trucks, Bag Trucks, Barrel Trucks, etc., etc.
WRITE FOR PRICES.
CLELAND BROS & CO.,
MEAFORD, ONT. (12)

THE FARRIER'S FRIEND.

K. & F. AND ARCADE BRAND

HORSE RASPS.



The above Rasps are standard, and are in demand by all expert horseshoers as being the most reliable. (Sharp and Tough Teeth.)

ADMIRABLY ADAPTED FOR BOTH HOOF AND SHOE.

We warrant the above brands to be made of first quality material, and the workmanship is the result of forty years' experience. For sale by all prominent dealers in Hardware and Blacksmiths' Supplies throughout Canada.

MANUFACTURED BY
NICHOLSON FILE CO., Port Hope, Ont.

WALTER GROSE, MONTREAL, Sole Selling Agent.

are again a little firmer. Locally, the demand is fair, with quotations unchanged at $29 to $30.

TINPLATES.—There is a fair business being done and shipments from stock are good. Stocks are still light, We quote I C at $4.25.

TINNED SHEETS.—The demand during the past week has been good and prices are steady and unchanged. We quote 70 x 30 up to 24 gauge, 7½c.; ditto, up to 26 gauge, 8c.

TERNE PLATES—Trade in this line continues quiet. We quote I C, 20 x 28, at $8.50.

COPPER—Business in ingot copper is a little quieter than it was and is now of moderate proportions only. Since the reduction in prices there has been an enormous increase in the consumption of this metal. In sheet copper, business during the past week has been rather better. We quote ingot at $15 per 100 lb., and sheet copper at $22 to $23. The outside markets are fairly steady at the moment.

BRASS—Brass keeps quiet with the discount unchanged at 15 per cent.

PIG LEAD—The demand during the past week has been fair and local quotations are unchanged. We quote pig lead at $3.50 to $3.75, and bar lead at $5.

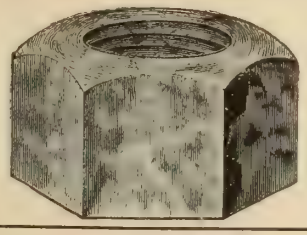
LEAD PIPE—A reduction has been made in prices, the discount now being 37½ per cent. instead of 35 per cent. There is the usual steady trade being done in this line.

IRON PIPE —Business is just moderate with prices ruling firm. We quote as follows per 100 ft.: ⅛-in., $3; ¼-in., $2.50; ⅜ in., $2 75; ½-in., $3; ¾-in., $3 70; 1 in., $5.25; 1¼ in., $7.40; 1½ in., $8 90; 2 in., $12.40; galvanized, 1 in., $7.25. Trade discount 4 per cent.

ZINC SPELTER—Trade has been rather more active during the past week, and prices are unchanged at $5.50 to $6 per 100 lb.

ZINC SHEET—The demand is principally for small lots. We still quote cask lots at $6 to $6.25, and part casks at $6 25 to $6.50.

SOLDER—A good trade is still being done in solder, and prices rule as before. We quote: Half-and-half, guaranteed, 19c.; do. commercial, 18½c.; refined, 18c.; wiping, 17½c.



THE JOHN MORROW MACHINE SCREW COMPANY, Limited

Manufacturers of

Set and Cap Screws, Special Milled Work, Engine Studs, Etc. Cold Punched Nuts of every variety of finish.

INGERSOLL, ONT.

ANTIMONY — Trade is quiet, with the ruling price 10c. per lb. for Cookson's.

PAINTS AND OILS.

Following the drop in the South, turpentine here has declined. The white lead market is also weak, owing to one or two manufacturers cutting prices. In paints and oils generally trade is heavy, and all the paint houses report this year's trade much ahead of the same period last year. This is on account of the early opening of spring and also of the extensive building projects under way throughout the country this spring and summer. Another factor in increasing trade in this line is that manufacturers extensively using paints and varnishes in their factories are extra busy this year, and so are ordering large quantities of leads and varnishes. The spring also opening so early will greatly lengthen the season during which painting can be done, and this points to a larger amount of painting being done this year than usual. We quote as follows :

WHITE LEAD—Ex Toronto, pure white lead, $5.87½; No. 1, $5.50; No. 2. $5.12½; No. 3, $4.75; No. 4, $4.37½ in pkgs. of 25 lb. and upwards; ½c. per lb. extra will be charged for 12½-lb. pkgs.; genuine dry white lead in casks, $5.12½.

RED LEAD—Genuine, in casks of 560 lb. $5 to $5.12½; ditto, in kegs of 100 lb., $5.50; No. 1, in casks of 560 lb., $4; ditto, kegs of 100 lb., $4.50.

LITHARGE—Genuine, 6 to 6½c.

ORANGE MINERAL—Genuine, 7½ to 8c.

WHITE ZINC—Genuine, French V.M., in casks, $6 to $6.25; Lehigh, in casks, $6.

BENZINE—In barrel lots, 17c. per gal.; less quantities, 25c. per gal.

PARIS WHITE—90c. to $1 per 100 lb.

WHITING — 65c. per 100 lb.; Gilders whiting, 80c.

GUM SHELLAC — In cases, 35c.; in less han cases, 40c. per lb.

LIQUID SHELLAC—Pure orange, in bbls., $2.25 to $2.35; white, $2.35 to $2.45 per gal.; in less quantities, 10c. extra.

PUTTY—Bladders, in bbls., $2.25; bladders, in 100 lb. kegs, $2.40; bulk in bbls., $1.90; bulk, less than bbls. and up to 100 lb., $2.05; bladders, bulk or tins, less than 100 lb., $2.90.

PLASTER PARIS—New Brunswick, $1.90 per bbl.

PUMICE STONE — Powdered, $2.50 per cwt. in bbls., and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in bbls.

LIQUID PAINTS—Pure, $1.20 to $1.40 per gal.; No. 1, $1.10 per gal.

CASTOR OIL — English, in cases, 9½ to 10c. per lb. and 10 to 10½c. for single tins.

LINSEED OIL—Raw, 1 to 4 barrels, 82c.; boiled, 85c.; 5 to 9 barrels, raw, 81c.; boiled, 84c., delivered. To Toronto, Hamilton and London, 2c. less.

TURPENTINE—Single barrels, 71c.; 2 to 4 barrels, 70c., delivered. Toronto, Hamilton and London 1c. less. For less quantities than barrels, 5c. per gallon extra will be added, and for 5-gallon packages, 50c., and 10-gallon packages, 80c. will be charged.

GLASS.

The demand for glass is good, and the stocks on hand are not heavy. The import prices are firm, making the local market strong. We quote: Under 26 in., $4.25; 26 to 40 in., $4.65; 41 to 50 in., $5.10; 51 to 60 in., $5 35; 61 to 70 in., $5.75; 71 to 80, $6.25; 81 to 85, $7; 86 to 90, $7 75; Toronto, Hamilton and London. Terms, 4 months, or 3 per cent. 30 days. Discount off pane price list, 33⅓ per cent.

OLD MATERIAL.

The arrivals of scrap metals are light, and the prices are weak. We quote: Heavy copper and wire, 10¼c. per lb.; light copper, 8c. per lb.; heavy red brass, 10c.; heavy yellow brass, 8 to 8½c.; light brass, 5c.; lead, 2¼ to 2⅜c.; scrap zinc, 2¼ to 2½c.; iron, No. 1 wrought, $14 50 per net ton; No. 2 wrought, $6; machinery cast scrap, $14; stove plate, $10; malleable and steel, $5; old rubbers, 6c. per lb., and country mixed rags, 50c. per 100 lb.

HIDES, SKINS AND WOOL.

HIDES—There has been a decline of ½c. in hides all around. We quote: No. 1 green, 6½c.; No. 2 green, 5½c.; No. 1 green, steers, 7½c.; No. 2 green, steers, 6½c.; cured, 7¼ to 7½c.

SKINS—There are fair receipts of sheep and calf skins and the latter have advanced 15 to 20c. per skin. This is on account of the skins being larger now than formerly. We quote: No. 1 calfskins, 9c.; and No. 2, 7c.; deacons (dairies) 55 to 60c. each; sheepskins, 80c. to $1.

WOOL—Trade is dull and the market continues weak. We quote: Fleece at 13c., and unwashed, 7 to 8c. per lb. f.o.b. Toronto.

SEEDS.

The demand is commencing to slacken. Shippers are busy delivering spring orders and the prices are unchanged. We quote out of store at Toronto: Red clover, $7.50 to $9.50; alsike, $10 to $17, and timothy, $7.80 to $8.25.

COAL.

The demand is good, but the receipts from the mines are small. We quote prices at international bridges as follows: Grate, $4 75 per gross ton; egg, stove and nut, $5 per gross ton; soft coal, $2.50 to $3.25 in bond.

PETROLEUM.

Trade is quiet and prices are steady. We quote as follows: Pratt's Astral, 16½ to 17c. in bulk (barrels, extra); American water white, 17 to 17½c. barrels; Photogene, 16½ to 17c.; Sarnia water white, 16 to 16½c. in barrels; Sarnia prime white, 14½ to 15c. in barrels.

MARKET NOTES.

Turpentine has declined 5c. per gal.

Cotton cordage and cotton clothes lines are higher.

Green wire cloth is 5c. per 100 square feet dearer.

The discount on lead pipe has been increased to 37½ per cent.

Whiffletree, elevator, shaft and step fancy bolts are higher, the discount being 50 per cent., instead of 50 and 10 per cent.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

JOHN KERR, coal merchant, Brantford, Ont., has assigned to Wm. A. Hollindrake.

Peter L. McFarlane, machinist, Baddeck, N.S., is offering to compromise.

John Morris, planing miller, Goderich, Ont., has assigned to W. R. Robertson.

Kode & McKerchar, general merchants, Neapolis, N.W.T., are reported to have assigned.

Geo. S. Asselstine, carriage trimmer, Perth, Ont., has assigned to James A. Allan, and his creditors meet on April 16.

A winding-up order of The Dominion Cab Co., Limited, Toronto, has been granted, and J. P. Langley was appointed interim liquidator.

PARTNERSHIPS FORMED AND DISSOLVED.

Charles E. Santo, hardware dealer, London, Ont., has admitted a partner.

Bishopric & Co., builders, Toronto, have dissolved. Charles S. Huff retires.

Poupore & Malone, contractors, Montreal, have dissolved, and a new partnership has been registered.

SALES MADE AND PENDING.

G. H. Rennie, hardware merchant, Montreal, has sold out.

F. B. Rebagliati, blacksmith, Lytton, B.C., is advertising his business for sale.

The real estate of the estate of E. P. Forbes, machinist, Halifax, N.S., is to be sold.

The assignee of James Ritchey, jr., blacksmith, Amherst, N.S., is advertising a sale of his assets on May 1.

The Runions, Carson, McKee Co., departmental store, London and Listowel, Ont., are advertising their Listowel branch for sale by auction on April 16.

CHANGES.

Belair & Dinelle, roofers, Montreal, have registered.

E. Paquin & Cie., contractors, Montreal, have registered.

Alf. Pare & Co., general merchants, Granby, Que., have registered.

Leduc & Schmidt, general merchants, St. Clet, Que., have registered.

M. W. Paul, general merchant, Poland, Ont., is succeeded by R. R. Paul.

M. L. Schloman & Co., traders and contractors, Montreal, have registered.

The Canadian Iron and Foundry Co., Montreal and Hamilton, have registered.

A. H. Stevens, harnessmaker, Kamloops, B.C., is succeeded by D. C. McLaren.

George Heaslip, carriagemaker, Alameda, N.W.T., has sold out to Joseph Braely.

R. J. Atkins, hardware merchant, etc., Lillooet, B.C., is succeeded by H. C. Parker.

Joseph A. Pigeon, saddler, Ste. Anne de Prescotte, Ont., is removing to Alexandria.

Page & Hale, bicycle dealers, etc., West Lorne, Ont., have removed to Rodney.

James McEwen, lumber merchant, Arcola, N.W.T., is succeeded by R. E. Gordon.

Noble & Graham, implement agents, Carman, Man., are succeeded by S. P. Graham.

La St. Henri Voiturier Ferreur, carriagemakers, St. Henri de Montreal, have registered.

The Stevens Manufacturing Co., iron and brass founders, are opening a branch at Ottawa.

B. Madill & Co., bankers, Beaverton, Ont., have sold out to the Standard Bank of Canada.

Willoughby & Duncan, lumber merchants, Regina, N.W.T., are succeeded by The Regina Lumber & Supply Co., Limited.

R. H. Williams & Son, lumber and general merchants, Regina, N.W.T., have sold their lumber business to The Regina Lumber & Supply Co., Limited.

FIRES.

J. N. Maher & Co., general merchants, Tadousac, Que., have been burned out.

Guindon & Co., hardware merchants, Valleyfield, Que., were burned out. They were partially insured.

DEATHS.

R. B. Canfield, general merchant, Wallace, N.S., is dead.

J. M. Ruddock, foundry owner, Chatham, N.B., is dead.

J. M. Carmichael, of J. W. Carmichael & Co., Limited, ship owners, New Glasgow, N.S., is dead.

KINGSTON BOARD OF TRADE.

The annual election of officers of the Kingston, Ont., Board of Trade, took place on April 9, and resulted as follows: President, John Gaskin; Vice-President, G. Y. Chown; R. J. Carson, secretary-treasurer; F. King, counsel; Messrs. J. McKelvey, J. Redden, E J. B. Pense, Ald. W. G. Craig, James Minns, John Hewton, Allan Chadwick, H. Richardson, and W. B. Skinner.

TINSMITHS WANTED.

TWO GOOD TINSMITHS WITH KNOWLEDGE of Hardware business. Single men preferred. Address Box 655, Nelson, B.C. (16)

SITUATION WANTED.

JEWELLER; GRADUATE OPTICIAN; GOLD, Silver and Nickel Plater, seeks position with Hardwareman in Northwest. Alberta preferred. Skillful, young and steady. Possesses good outfit. References first-class. Here is an opportunity to add profitalbe lines to your business Correspondence solicited. Box 168, Brockville, Ontario. (16)

WESTERN Incorporated 1851.

ASSURANCE COMPANY

Fire and Marine

Capital - - $2,000,000.00

Assets, over - - 2,900,000.00

Annual Income - 3,000,000.00

Head Office: TORONTO, ONT

Hon. Geo. A. Cox, President. J. J. Kenny, Vice-President

C. C. Foster Secretary.

American Steel & Wire Co.

New York: Empire Building. Montreal: New York Life Building. Chicago: The Rookery.

BARB WIRE. GALVANIZED PLAIN WIRE.
PLAIN TWIST CABLE FENCING.

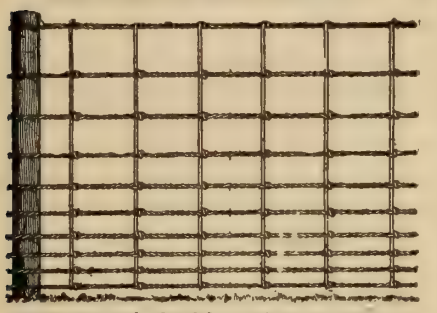
Telegraph and Telephone Wire, Mattress, Broom, Weaving Wires of every description, Rail Bonds, Bale Ties, Special Wires for all purposes. Springs, Horse Shoes, Wire Rope, Cold Drawn Steel Shafting.

The Oshawa Wire Fence Co.

OSHAWA, ONT. Limited

Manufacturers of...

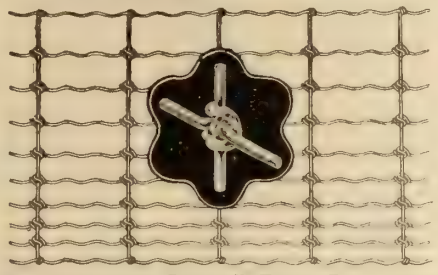
Woven Wire Fencing, Gates, Etc.
Also Dealers in Galvanized Fence Wire.



Agents wanted Send for catalogue and prices.

IDEAL WOVEN WIRE FENCING

Complete in the roll. A heavy one-piece stay that will not buckle up and cannot slip. Note the lock No. 9 hard spring wire throughout. A fence that will last.



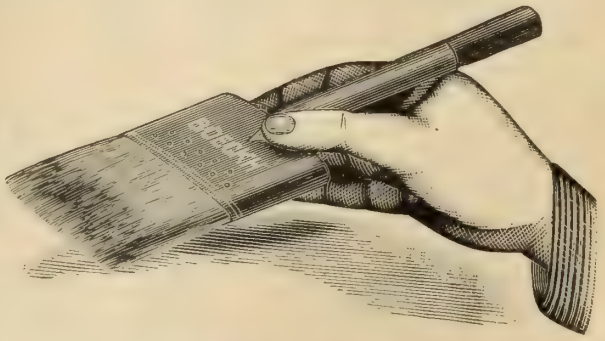
The McGregor, Banwell Fence Co., Limited
WINDSOR, ONT.
COILED SPRING AND OTHER FENCE WIRES.

"Burmese Bond" is a Superior Paper.

Where it is important that the office records should be carefully preserved, one can never do better than select "Burmese Bond" for stationery and "Burmese Linen Ledger" for your books. It is a very durable paper, with a fine writing surface, and possessed of exceptional erasable qualities.

CANADA PAPER CO., Limited
TORONTO, and MONTREAL, Que.

Boeckh's flowing Varnish Brushes, made in single, double, and triple thickness, are of superior quality. They contain only the highest grade bristles.



The best brush is the only brush an up-to-date workman can afford to use. Anything less than the best means continued trouble to him. It pays the dealer to handle

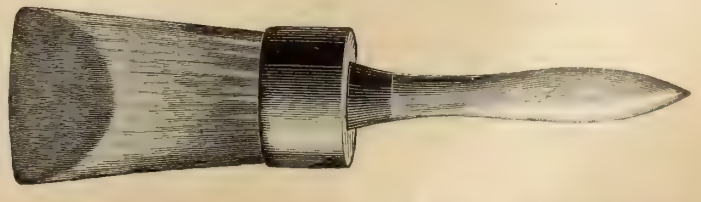
BOECKH'S ALL BRISTLE BRUSHES

Because they are THE BEST.

Head Office, TORONTO, ONT.

United Factories, Limited,

OPERATING—
Boeckh's Toronto Factories,
Bryan's London Factories,
Cane's Newmarket Factories.



HEATING AND PLUMBING

BUILDING PERMITS IN TORONTO.

DURING the week building permits have been issued in Toronto to the following: J. G. Gooderham, for a two-storey brick and stone residence on Bedford Road, for $7,000; E. A. Drummer, for a pair of two storey brick and stone stores and dwellings on Bloor street west, for $3,800; Kuplsez, for a two storey brick dwelling on Lee avenue, for $2,000; Chas. Edmonds, for a two-storey wood and plaster dwelling on Waverly Road, for $1,500; E. R. Wood, for brick additions and alterations to dwelling on 591 Church street, for $1,000; Jos. J. Sheridan, for a two-storey brick and roughcast dwelling on Leslie street, for $800; James Crane, for three two-storey brick dwellings on 246, 248 and 250 Dovercourt Road, for $5,000; Havergal Ladies' College, for a three-storey brick and stone addition on Jarvis street, for $17,000; Telfer Mfg. Co., for a two-storey brick factory at the corner of Duncan street and Pearl lane, for $13,000; G. H. Muntz, for four two-storey brick dwellings on Bellwoods avenue and Trifford Place, for $5,500; E. B. Biggar, for a two-storey brick and stone dwelling on 473 Marion street west, for $3,000; F. Anderson, for a roughcast addition to dwelling on 48 Lansdowne avenue, for $150; W. W. Walsh, for a two-storey brick and stone dwelling on Arthur street, for $2,100; J. J. Walsh, for seven two-storey brick and stone dwellings on 230 to 246 Dufferin street, for $24,000; J. J. Walsh, for a pair of two-storey stone and brick dwellings on Close avenue, for $6,000; J. J. Walsh, for a pair of two-storey brick dwellings on 69-71 Baldwin street, for $7,000; Wickett Bros., for a pair of two-storey brick dwellings on Winchester street, for $4,000; Wickett Bros., for a two-storey roughcast dwelling on Sackville Place, for $2,400; W. J. Dickson, for a one-storey brick printing office, at 21 Bismarck avenue, for $500; Daniel Lamb, for a pair of two storey brick dwellings on 150 and 152 Winchester street, for $4,500; Mrs. M. A. Marshall, for two pairs of two-storey brick dwelling on 641 and 647 Bathurst street, for $8,000; Thomas Wright, for a two-storey brick dwelling on 57 Chicora avenue, for $3,700; John Kilgour, for a two-storey brick and roughcast dwelling on Bartlett avenue, for $900; W. G. Harris, for a one-storey brick and galvanized iron workshop on 17 and 19 William street, for $700; Henry H. Gilks, for a two-storey brick dwelling on 927 Bloor street west, for $1,000; Chas. L. Rosevear, for a three-storey brick store and a one-storey brick extension on 578 Queen street west, for $6,000; John William Galbraith, for a two-storey roughcast dwelling on Givens street, for $500; W. J. McClure, for a two-storey brick store on Denison avenue, for $1,800.

SOME BUILDING NOTES.

D. F. McLean is building a residence at Port Hood, C.B.

A brick building is to be erected at Windsor, Ont., for the Union Bank.

J. C. Brady is going to build an hotel at Rat Portage, Ont., during the spring.

Rhodes, Curry & Co. are building a residence on the old Bourinot property, Sydney, C.B.

The Southend Post Office Company, Limited, are erecting a new building at Southend, Ont.

Alfred Ansley is preparing for the erection of a residence at Glengrove Park, North Toronto.

Sir Thomas Shaughnessy, president of the C.P.R., is building a summer residence at St. Andrew's, N.B.

Mark Daniels has nearly completed his residence on the corner of Wellington and Adelaide streets, Chatham, Ont.

W. B. Harris is preparing to build a new three-storey block of brick and stone at Sault Ste. Marie, Ont., to cost $20,000.

PLUMBING AND HEATING NOTES.

Hickey, Aubut & McGoldrick, plumbers, Montreal, have registered.

R. & H. East, hardware merchants and plumbers, Montreal, have registered.

H. A. Johnson & Co., tinsmiths, Truro, N.S., are adding a plumbing department.

Joseph Picard, plumber, Notre Dame street, Montreal, died recently of heart failure.

PLUMBING AND HEATING CONTRACTS.

Mashinter & Co., plumbers and steamfitters, Toronto, have secured the contract for the heating and ventilation of the new Bathurst street public school.

The Bennett & Wright Co., Limited, plumbers, Toronto, have obtained the contract for the plumbing of a large building next the Union Station, Toronto, for the Dominion Express Co.

PLUMBERS BEAT MANUFACTURERS

An exciting game of baseball was played at Hanlan's Point on Saturday afternoon, April 5, when the plumbers' department of The Ontario Lead and Wire Co., Limited, defeated the manufacturing department by a score of 16 to 5.

The victory of the plumbers was greatly through the aid of their battery, Jack Matthews and Geo. Kohlmeyer. There will be another match in a short time. The score was as follows:

									R.	H.	E.
Plumbers.....	3	0	5	4	1	3	0	=	16	12	2
Manufacturers.....	0	1	0	2	1	1	1	=	6	2	7

BUILT BY CANADIANS.

The Webb Syndicate, who are trying to get the contract for building the St. Lawrence bridge at Montreal, state that if they are successful they will have the work done by a Canadian firm. The material for the bridge would also be obtained in Canada, probably from the Clergue works at Sault Ste. Marie.

The cost has been estimated at about $6,000,000, and the bridge, some 8,000 feet in length, when completed, will be the largest of its kind in the world.

MAKING CUTLERY FOR SIX CENTURIES.

The manufacture of cutlery is carried out at Scarperia (Mugello), on the slopes of the Apennines, and dates as early as the fourteenth century, according to an exchange. From a document in the Royal Archives of Florence, it appears that in the year 1535 a Cutlers' Union was formed, under the presidency of the Vicar of Scarperia, and a statute was drawn up and duly approved by Cosimo de Medici. Since then this industry has never ceased to be a specialty of that district. It may be calculated that it gives work to one-quarter of the population, viz., about 500 persons, occupying 30 shops. The daily earnings of each man may be valued at 1s. 10d., and their total production at about £10,000 of goods per annum, the largest part of which are sold through a co-operative society formed in 1889, the remainder being retailed by local dealers. Among the articles produced, there are no less than 70 varieties of pocket and table knives, their price ranging between 1s. and 12s. 10d. per dozen, and several kinds of tools for gardeners and handicrafts, and scissors of many shapes and sizes. The articles are good, but of an ordinary quality, although much improved of late.

THESE TWO PAY!



Returned 10/5/03 Ltr Book R 8 page 91

RAMSAYS PAINTS

Because people know them and ask for them. We provide the kind of advertising matter that helps business, and you get a paint that is made to hold that business with profit to yourself and satisfaction as well.

RAMSAYS EXTERIOR LEAD

Have you seen our last booklet, does it not prove to you what we say about it? There is money for you in Exterior Lead if you get Ramsays and leave the imitations alone.

A. RAMSAY & SON
MONTREAL

EST'D 1842
PAINT MAKERS

Gas Fixtures

We make Attractive Fixtures in

GAS . . .
ELECTRIC
COMBINATION

Catalogues to the Trade.

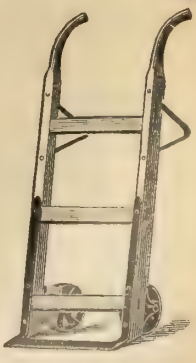
The James Morrison Brass Mfg. Co., Limited
89-97 Adelaide St. West, TORONTO.

Increase Your Shipping Facilities

BY USING



FAIRBANKS TRUCKS



THEY ARE STRONG AND DURABLE.

A complete line for handling all kinds of merchandise in stock.

We can furnish rubber wheels if desired.

The Fairbanks Company

747 and 749 Craig Street MONTREAL.

LEADER Cchurn

New Century Improvements

FOUR DIFFERENT STYLES:

A—Steel Frame with double reversible Steel Lever.
B—Wood Frame with double reversible Steel Lever.
C—Steel Frame with Crank.
D—Wood Frame with Crank.

Styles **A** *and* **B** *may be operated from a sitting or standing position.*

Steel Frames and Hoops beautifully ALUMINIZED.

All LEADER CHURNS are equipped with BICYCLE BALL BEARINGS and PATENTED CREAM BREAKERS.

Stands are so constructed that they are particularly strong and rigid, and there is nothing to interfere with the placing of pail in the most convenient position for draining off buttermilk.



It Pays to Have the Best. None are Better Than the Leader.

THE DOWSWELL MANUFACTURING CO., LIMITED, HAMILTON, ONT.

Eastern Agents: W. L. Haldimand & Son, Montreal, Que.

CUSSIN'—DISCUSSIN'

Dealers may avoid the former and have the satisfaction of hearing their customers discussing in terms of praise the goods that are right.

Always handle the best.

Satisfaction is assured if the Dowswell Manufacturing Co., Limited, are the makers of the goods you sell.



The New Century Washing Machine

This cut illustrates the latest and best machine for washing clothes yet invented.

Having strong spiral springs and ball-bearings—the same as used in High-Grade Bicycles—very little effort is needed to do what with other means is hard work.

Nothing so easy—nothing so thorough—nothing less wearing on garments. It is perfection.

A customer says: "It has none but good points."

Another customer says: "It is a darling; washes a tubful in five minutes."

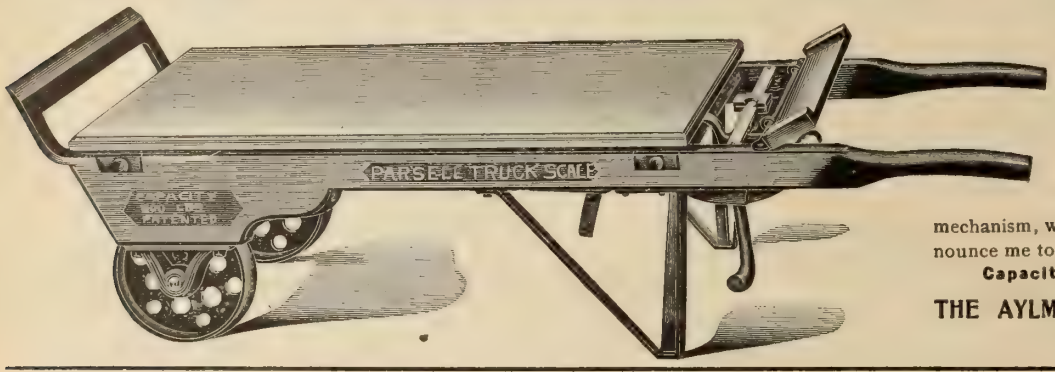
It is the **New Century Washer.**

Every Hardware Dealer should have them. They are not the cheapest, but are sellers, and will do all that is claimed

The operator can positively do the work, and without effort, while seated, and the machine is enclosed, retaining heat and vapor.

The Dowswell Manufacturing Co., Limited,
Sole Manufacturers in Canada. **Hamilton.**

I AM THE PARCELL DROP LEVER TRUCK SCALE.



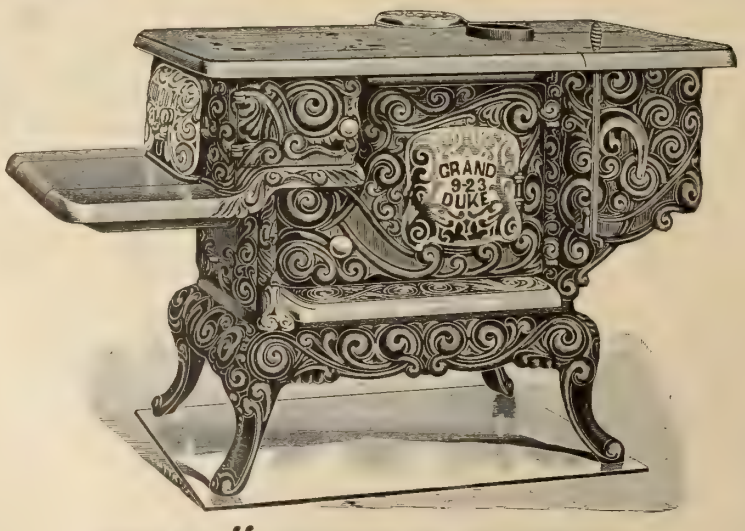
I HAVE no connection or relationship with any other Truck Scale. Do not condemn me because some other Truck Scale was not right, but give me a chance to prove to you that I am the most convenient scale made, and that I am perfectly correct and a first-class piece of mechanism, which I must be, as good inspectors pronounce me to be a first-class article.

Capacities: 800 lb., 1,200 lb., 1,600 lb.

THE AYLMER IRON WORKS CO., Limited
AYLMER, ONT.

Peninsular Stoves and Ranges

This shows an **ENTIRELY NEW** Wood Cook.



Made in THREE SIZES:

Nos. 9—21
9—23
9—25

THE "GRAND DUKE"

WOOD COOK.

This stove is a sure seller. It has a large Ventilated Oven, Aluminized Oven Door, Splendid Fire Box, Ventilated Fire Dog, Large Top, a Good Reservoir; in fact, it has all those features which recommend themselves to the customer. Write us for prices and descriptive matter.

CLARE BROS. & CO., Preston, Ont., and Winnipeg, Man.

McArthur, Corneille & Co.

MONTREAL

Manufacturers and Importers of . . .

White Lead,
Oils and Colors,
Prepared Paints,
Window Glass,
Varnishes, etc.

Glue and Gelatine

In extensive assortment, to suit all requirements.

WILL BE PLEASED TO SUBMIT SAMPLES AND PRICES.

SELLING AGENTS IN CANADA

For the GENUINE
Imperial French Green
of JOHN LUCAS & CO., PHILADELPHIA.

And CELEBRATED
ENGLISH VARNISHES
of CHAS. TURNER & SON, LONDON.

Please mention HARDWARE AND METAL when writing.

THE TIME TO INSURE IS

NOW

While you are WELL, STRONG and INSURABLE.

THE

Confederation Life

ASSOCIATION issues policies on all approved plans of Insurance, and is a prosperous and progressive Canadian Company.

PROTECTION FOR YOUR FAMILY.
PROFITABLE INVESTMENT FOR YOURSELF.

Pamphlets and full information sent on application.

W. H. Beatty, Esq., PRESIDENT.

W. D. Matthews, Esq., Frederick Wyld, Esq., VICE-PRESIDENTS.

W. C. MACDONALD, ACTUARY.

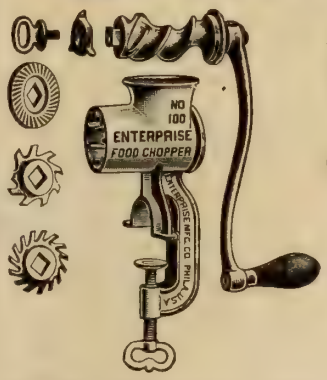
J. K. MACDONALD, MANAGING DIRECTOR.

HEAD OFFICE, - TORONTO.

ENTERPRISE on an article is a Guarantee of QUALITY

ENTERPRISE

FOOD CHOPPERS



Four Knives with each Machine

No. 100, *chops 2 lbs. per minute*, $1.50
No. 300, *chops 3 lbs. per minute*, $2.25

Sell every Day in Year

GUARANTEED TO CHOP RAW MEAT

Illustrated Catalogue FREE *Order through your Jobber*

Bone, Shell & Corn Mill



No. 750, $7.50

Meat Juice Extractor



No. 21, $2.50

Cherry Stoners

5 Sizes & Styles



No. 1, $7.50 doz.

Rapid Grinding & Pulverizing Mills

45 Sizes & Styles for Hand & Power, $1.25 to 300.00



No. 2½, $4.75

New York Branch, 10 Warren Street

The Enterprise Mfg. Co. of Pa., Philadelphia, Pa.

San Francisco Branch 105 Front Street

INDUSTRIAL GOSSIP.

BERTRAM'S SHIPYARDS. The Bertram Engine Works Co., Limited, Toronto, have found it necessary to build new shipyards to carry out the large contracts they have recently received for vessels for the Upper Lakes, and, as Toronto is not adapted for their new works, they are seeking a site on Lake Erie. Plans and surveys of several ports are being made, and these will be submitted to the directors for them to decide on the location.

The new plant and shipyard will cost about $100,000, and about 200 or 300 hands will be employed at the start. This number they hope shortly to increase to 1,000. The works must be ready by next fall to permit their launching their first vessel by the spring of 1903. So the site will be chosen in two or three weeks.

By building their plant at some port on Lake Erie they hope to secure the construction of a number of the large 5,000-ton grain vessels for upper lake traffic. They also will be within easy reach of the coal mines of Pennsylvania and Carnegie's steel works, from which latter they receive a great part of their steel.

They have now the contracts for five large vessels, varying from 160 to 340 ft. in length, and some of these they hope to build in their new yards.

NEW CEMENT WORKS. A company has just been organized to work extensive deposits of marl at Caledon Lake, Ontario, near Orangeville. These beds have been known to exist for several years, but it is only recently that sufficient capital has been interested in the undertaking to insure its success. The new concern is known as the Superior Portland Cement Company, Limited.

Its head offices are in Toronto and its works will be at Orangeville. The capital of the company is placed at $300,000, divided into 30,000 shares of $10 each and the provisional directors are as follows: His Honor Judge Morgan, Judge of the County Court of York; E. J. Jackson, Albany Supply Co., Toronto; Jos. J. Follett, merchant, Toronto; R. J. Daley; Inspector Sun Life Assurance Co., Toronto; James McCullough, barrister, Stouffville; W. H. Jackson, broker, Toronto.

The objects of incorporation are for the manufacture of a high grade of Portland cement from the marl deposits existing in Caledon Township, Peel County, near Orangeville. These deposits average 12 feet in depth and extend over an area of 366 acres. It is estimated that there is sufficient marl available there to secure the continuous manufacture of cement for over 100 years.

The works will have a capacity of 600 bbls. of cement per day, be equipped with the latest machinery and appliances, and are expected to be in operation within six months from May 1.

STEEL SHIP-BUILDING IN HALIFAX. At a special meeting of the Halifax City Council the other day it was decided to snbmit a plebiscite to the ratepayers of the city granting $100,000 bonus towards the construction of steel shipyards in that city. There is a Bill now before the Provincial Legislature empowering the granting of a bonus to such an industry, and on the strength of this the above action was taken. The yard is to be built on the shores of Halifax Harbor. The site of the yard will be subject to the approval of the city council.

NEW FIREARMS COMPANY. A new firearms company for the Dominion has been incorporated under the style of The Ross Rifle Co., Limited. The head office of the new firm is to be at Ottawa, and the capital stock is placed at $2,000,000. The incorporators are Sir Thomas Shaughnessy, Sir C. H. Ross, Bart., Hon. Wm. Gibson, Hon. F. L. Bergue, D. D. Mann, Frederic Nicholls and Wallace Nesbitt. The principal object of the company is to buy, sell and deal in guns, rifles, small arms, ammunition, ordnance, military and sporting supplies, machinery, tools, etc.

WANT PREFERENTIAL TRADE.

AT a meeting of the St. John, N.B., Board of Trade, on April 5, a resolution was passed in favor of preferential trade within the Empire. The resolution is as follows:

As there are indications that it is the intention of the Imperial Government to make important changes in its tariff in consequence of the heavy expenditure in connection with the war in South Africa, it is therefore

Resolved, that in the opinion of this board any tariff made by the Imperial Government would be productive of the best results for the Empire by being so levied as to give a preference to products and manufactures within the Empire, such preference to be reciprocal and to be applied to the colonies as they enact legislation granting the same preference to British and colonial products.

This action on the part of the Imperial Government would, in the opinion of this board, also have the happiest effect in knitting more closely the ties binding the colonies to the Motherland and give increased impetus to the patriotic sentiment within the Empire, which, this board is glad to record, is already existing, the wonder and admiration of the world.

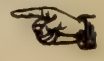
Copies of this resolution will be sent to the Premier of Canada; the Governor-General, for transmission to the Secretary of State for the Colonies; Lord Strathcona; the Premiers of all British colonies; the Chambers of Commerce in Great Britain, and the Boards of Trade in Canada.

NO SPECIAL INSTRUCTIONS

Old Houses Made New.

are required to use the Handy Liquid Paints made by

THE CANADA PAINT COMPANY, LIMITED



Stir the package and, having a clean surface, go to work. Paint is the great preservative and beautifier, but, to insure good results, insist upon the paints made by

THE CANADA PAINT COMPANY, LIMITED

THE CANADA PAINT CO'Y PAINT THE CANADA PAINT CO'Y

THE CANADA PAINT CO'Y PAINT THE CANADA PAINT CO'Y

PARIS GREEN

The merchant who sells the Paris Green manufactured by THE CANADA PAINT COMPANY, LIMITED, offers to his customers the **very best** it is possible to procure. In quality, it is ahead of the standard demanded by the Dominion Government. Large quantities have already been shipped to all parts of Canada.

The CANADA PAINT COMPANY, Limited

BURMAN & SONS' CELEBRATED CLIPPERS

Established 1871. **BIRMINGHAM, ENG.** for Horsemen and Barbers.



NO. 3—POWER CLIPPER, with "Wrist Joint."

As supplied to { The Czar of Russia. The King of Denmark. Earl Roberts, Etc., Etc.



THE "LEOPOLD" TOILET.

NO. 297.



THE "WARWICK" CLIPPER.
Cuts over three teeth.
As supplied to His Majesty's War Department.

SEND FOR PRICE LIST AND TERMS.
To be obtained from all the principal Jobbers throughout the Dominion.

BUTLER'S

FAMOUS

Sheffield Cutlery.

Fish and Dessert Knives; Spoons and Forks; Cabinets and Cases of Cutlery and Plate.

"BUTLER" was registered as a Trade Mark, A.D. 1768.

Sole Makers of the celebrated "CAVENDISH" brand of Table Knives and Carvers. And Butler's "KEEN" Razors.

HIGHEST AWARDS. SPECIAL MENTION.

—Full Line of Samples and stock at—

GEORGE BUTLER & CO.'S

LONDON SHOWROOM: 62 HOLBORN VIADUCT, E.C. (Over Snow Hill Station.)

MANUFACTORY: Trinity Works, SHEFFIELD, ENG.

FRANK MILLER'S

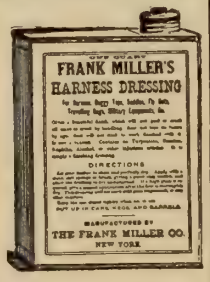
HARNESS PREPARATIONS.

FRANK MILLER'S

HARNESS DRESSING

Recognized as "THE STANDARD."

Produces a brilliant jet-black gloss which will not peel or smut and to which dirt will not stick.





Frank Miller's

Harness Soap

Unrivaled for cleaning and softening Harness. Put up in cakes, pans, boxes and tubs.

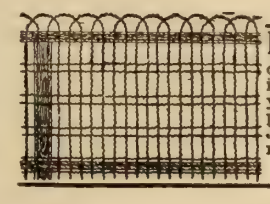
FRANK MILLER'S

Harness Oil.

Preserves and softens the leather, thus adding life.

The highest quality of oil on the market.





Page Metal Ornamental Fence. We now make fence that is ornamental, very showy and surprisingly cheap. It is just what is wanted for door yards, division fences in town lots, grave yards, orchards, etc. It is painted and retails at only **20 cts. PER RUNNING FOOT.** Just think of it. Let us send you full particulars. We also make farm fence, poultry netting, nails and staples.

The Page Wire Fence Co., Limited, Walkerville, Ont. 3

The ZANZIBAR PAINT CO., Limited

Toronto. SOLE MANFRS.

ZANZIBAR HOUSE PAINTS.
Strong Colors, Durable Gloss, Uniform and Smooth.

ZANZIBAR FLOOR PAINTS.
Easily Spread, Elastic and Durable—Dry Quickly and Hard.

ZANZIBAR ROOF AND BARN PAINTS.
Low Priced, Smooth Body, Weather-Proof.

Zanzibar Shingle Stains contain no anilines, but best pigments—Permanent Colors, Strong Preservative.

NOTE:—We're a strictly Canadian house, buying all we can in Canada, quality being equal, and we will appreciate your patronage or an opportunity to tell you more about ourselves and our goods.

TRADE



MARK

Nobles & Hoare.

CORNWALL ROAD STAMFORD STREET.

LONDON, ENG.

Manufacturers of

HIGH-CLASS VARNISHES ONLY

Which can be obtained direct from the works or from the principal Color Dealers in Canada.

USE PRICE TICKETS FREELY.

THERE exists in the minds of many merchants a genuine aversion to the use of the price-ticket. But that aversion is as needless as genuine. Sometimes it isn't even genuine.

Now, when a man makes up his mind to become a seller of something, he can't become a seller unless there's a buyer. Buyers of that "something" which this man proposes to sell must be told of his intention in some form or other. Perhaps it's only by hanging out a sign. Perhaps by opening a store. In some way or another those who buy must be told of things to be sold before any sale can result.

It's the part of the seller, therefore, to inform the buyer that he's ready for business. That part is recognized to a degree by every seller of things, but there are mighty few of them who realize how far to go in this matter. Some seem to think that a beginning is all that's necessary. After that, the buyer must find out for herself what the seller has and what his prices. In other words, the seller sits and waits in greater or lesser degree.

If every buyer was an anxious seeker after goods from your own store, there'd be no use, or but little use, spending much time to inform her of things and prices and descriptions. But, since there are other stores from which similar goods may be purchased, it's plain enough that if you are to have trade, increasing trade, much trade, some means must be used whereby prospective buyers shall imbibe a favorable opinion of your store and goods.

Among the various ways of giving information, price-tickets are worth more attention than many merchants give them. How many there are who make attractive displays in windows and store interiors, but who seldom or never dream of making those attractions more than eye-pleasers. The very attractiveness of some window and store displays makes people think that the goods there displayed are high-priced. Queer, perhaps, but true. One naturally inclines to the notion that things are good if nicely packed, arranged, put-up, displayed.

If you don't believe it, just try it for a while. And why not search yourself and see if you are affected by price-marks at all? Haven't you often seen an article which caught your fancy but yet didn't buy because you didn't care to ask the price, or because it looked so good that you jumped at the conclusion that it would probably cost more than you cared at that time to pay? And, upon the other hand, haven't you seen other articles with prices attached, and those prices seemed so small that you bought at once? The price caught you. You thought the article good for the money, and you bought because the price-mark was a silent salesman. I'll warrant that the same thing has happened to lots of folks who never stopped to reason regarding the process of the selling. They simply saw; liked; learned price; bought.

Every day there's somebody in your store. Every day somebody sees the same displays and pays not a particle of attention to them. Or, if ever, but little. You've made the display for her benefit, but you've left out the most important item—information. I've nothing to say against good store attractions. As a whole, and looked at in their entirety, good displays are pretty. But they're never of great interest unless they vouch-safe information in some form or other.

The wide-awake dealer not only shows what he has to sell, but tells its price. He can do it through the newspaper; the storepaper; the booklet; through price-marks. They should all be used, and the latter never disregarded. They cost next to nothing; are standing ads.; can be changed frequently; appeal to the eye; sell goods. One likes to shop where there's something to read—if it's nothing but little cards on goods. It looks like business; it helps one fill in the time during a wait; it makes trade for the merchant; it often keeps the customer so busy that she forgets she's waiting—that means a good deal sometimes.

I can't think of a single unanswerable objection to the placing of prices on goods. I've heard one man say that it "looked cheap." Rot and tommy-rot! So long as the price-cards are neat, they simply can't be "cheap-looking." It doesn't appear cheap at all. It appears businesslike. Appears as if the merchant desired his customers to have as much information as he could give them. That's a point which, if not openly appreciated, will bring business.

Besides which, it rather makes an onlooker believe that the merchant isn't afraid to quote his prices. Makes one think that such a merchant knows the worth of his goods; has nothing to hide; wants everybody else to know it. If a price is high, it won't spoil a sale, because folks will have to learn the price in some way or another and won't buy if price doesn't suit; while, if price seems low, as it frequently is, there's a great positive advantage in having that price known.

So, give your prices. Never leave them out of a window display and always have them pretty thoroughly scattered around the store's interior.—W. Woodhouse, jr., in American Grocer.

LEBEL AND CO. WON.

Lebel & Co., general merchants, Pincher Creek, Alberta, who were defendants in a suit brought by one Senten for recovery of damages for alleged illegal seizure of his ranch property, have been declared not guilty of the charges brought against them.

The jury declared that the defendant had not by false and fraudulent representation induced the plaintiff to sign any documents, and that the plaintiff was aware, on the occasions of signing both chattel mortgages that they were chattel mortgages he was executing. That at the time the defendant seized under the mortgages he honestly deemed himself unsafe. That the plaintiff suffered no damage by seizure or stoppage of business. On the malicious prosecution part of the case the jury found that the defendant honestly believed in the charge he had laid before the justice of the peace, and was not actuated by malice in the proceedings then taken, and that no damages should be given the plaintiff.

Don't waste good work
on poor galvanized iron
—unless you want to be
taught by experience.

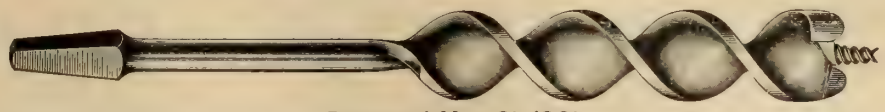
Apollo is good.

American Sheet Steel Company, New York

Representatives for Canada
B. & S. H. Thompson & Company
53 St. Sulpice Street
Montreal

SOMETHING NEW

Caldwell Lightning Auger Bits.



Patented May 21, 1901.

This bit will bore two holes in less time than it takes to bore one with any other bit.

AGENTS:

Caverhill, Learmont & Co., - - - Montreal.
Wood, Vallance & Co., - - - - Hamilton.
Geo. D. Wood & Co., - - - - Winnipeg.

CURRENT MARKET QUOTATIONS

April 11, 1902.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag and Straits—		
56 and 28 lb. ingots, 100 lb.	29 00	30 00

Tinplates.

Charcoal Plates—Bright

		Per box
M.L.S. equal to Bradley		
I.C., usual sizes	....	$6 75
I.X., "	....	8 25
I.X.X., "	....	9 75
Famous, equal to Bradley—		
I.C.	....	6 75
I.X	....	8 25
I.X.X	....	9 75
Raven & Vulture Grades—		
I.C., usual sizes	....	5 00
I.X., "	....	6 00
I.X.X "	....	7 00
I.XXX., "	....	8 00
D.C., 12½x17	....	4 50
D.X.	....	5 25
D.X.X	....	6 00

Coke Plates—Bright

Bessemer Steel—		
I.C., usual sizes	....	4 25
I.C., special sizes, base	....	4 75
20 x 28	....	9 00

Charcoal Plates—Terne

Dean or J. G. Grade—		
I.C., 20x28, 112 sheets	....	8 50
I.X. Terne Tin	....	10 50

Charcoal Tin Boiler Plates

		Per lb.
Cookley Grade—		
X X., 14x56, 5 shee bxs 14x60, " 14x65, "	....	0 06½

Tinned Sheets

72x30 up to 24 gauge	....	0 07½
" 26 "	....	0 08

Iron and Steel.

Common Bar, per 100 lbs	1 95	2 05
Refined "	....	....
Horse Shoe Iron "	....	2 40
Hoop steel, 1½ to 3 in. base,		2 90
Sleigh Shoe Steel " base	....	2 10
Tire Steel	2 30	2 50
Reeled Machinery	....	3 00
Toe Calk Steel	2 85	3 00
T. Firth & Co's tool steel, per lb	0 12½	0 13
Jessop's tool Steel	....	0 14
Morton's tool steel	0 12½	0 13
Black Diamond and "B.C." tool steel	0 10	0 11
Chas. Leonard's tool steel	0 08	0 09
Drill Steel, per lb	0 08	0 10

Boiler Tubes.

1½-inch	....	0 12½
"	....	0 13
2½ "	....	0 15
3 "	....	0 16
3½ "	....	0 20
4 "	....	0 25

Steel Boiler Plate.

¼ inch	2 50	2 60
3-16 inch	2 60	2 70
⅝ inch and thicker	2 50	2 60

Black Sheets.

	Com.	D.Fl.
18 gauge	2 85	3 00
20 gauge	2 85	3 00
22 to 24 "	2 95	3 25
26 "	3 05	3 50
28 "	3 15	....

Canada Plates.

All dull, 52 sheets	....	3 00
Half polished	....	3 10
All bright	....	3 75

Iron Pipe.

Black pipe—

	Per 100 Feet.
⅛ inch	3 00
¼ "	2 50
⅜ "	2 75
½ "	3 00
¾ "	3 70
1 "	5 25
1¼ "	7 40
1½ "	8 90
2 "	12 40
2½ "	24 00
3 "	28 00
3½ "	36 00
4 "	43 00
4½ "	50 00
5 "	57 00
6 "	73 00

Galvanized pipe—

¼ inch	3 30
⅜ "	3 55
½ "	4 00
¾ "	5 25
1 "	7 25
1¼ "	10 10
1½ "	12 15
2 "	16 70

Discount 4 per cent.

Malleable Fittings—Discount 40 p.c.
Cast Iron Fittings—
Plugs, brushings, unions, and nipples, discount 65 p.c.
All others—discount 60 p.c.

Galvanized Sheets.

	G C.	Comet.	Amer.	Queen's Head.
16 gauge	....	....	....	....
18 to 24 gauge	4 05	3 75	....	4 05
26 "	4 25	4 00	....	4 25
28 "	4 50	4 25	....	4 50

Less than case lots 10 to 15c. extra.
28 gauge American equals 26 gauge English.

Chain.

Proof Coil, 3-16 in., per 100 lb	....	....
" ¼ " "	7 85	8 10
" 5-16 " "	4 95	5 25
" ⅜ " "	4 35	4 60
" 7-16 " "	4 15	4 40
" ½ " "	4 00	4 25
" 9-16 " "	3 90	4 15
" ⅝ " "	3 80	4 05
" ¾ " "	3 85	4 10

Halter kennel and post chains, 40 to 40 and 5 p.c.
Cow ties 40 p.c.
Tie-out chains 65 p.c.
Stall fixtures 35 p.c.
Trace chain 45 p.c.
Jack chain, iron, single and double, discount 35 p.c.
Jack chain, brass single and double, discount 40 p.c.

Copper.

	Ingot	Per 100 lb.
English B S., ton lots	....	15 00
Lake Superior	....	....

Bars.

Cut lengths round, ½ to ⅞ in. round and square	23 00	25 00
1 to 2 inches	23 00	25 00

Sheet.

Plain, 14 oz., and light, 16 oz., 14x48 and 14x60	22 00	22 50
Plain, 14 oz., and light, 16 oz., irregular sizes	22 50	23 00
Tinned copper sheets	....	24 00
Planished	....	32 00

Braziers (In sheets.)

4x6ft. 25 to 30 lbs. ea., per lb.	0 23
" 35 to 45 " "	0 22
" 50-lb. and above, "	0 21

Boiler and T. K. Pitts

Plain Tinned, per lb	0 28
Spun, per lb	0 32

Copper Ware.

Discount, 50 per cent.

Brass.

Rod and Sheet, 14 to 30 gauge, 15 per cent.	
Sheets, hard-rolled, 2x4	0 23
Tubing, base per lb	0 23½

Zinc Spelter

Foreign, per lb	5 50	6 00
Domestic "	....	....

Zinc Sheet.

5-cwt. casks	6 00	6 25
Part casks	6 25	6 50

Lead.

Imported Pig, per 100 lb	3 50	3 75
Bar, b	....	0 05
Sheets, 2½ lbs. sq. ft., by	....	0 06¼
Sheets, 3 to 6 lbs., "	....	0 06

NOTE.—Cut sheets ½ cent per lb. extra.
Pipe, by the roll, usual weights per yard, lists at 7c. per lb. and 35 p.c. dis. f.o.b. Toronto.
NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths lists at 7½ cents.

Shot.

Common, $6.50 per 100 lb.; chilled, $7.00 per 100 lb.; buck, seal and ball, $7.50. Discount, 22½ p.c. Prices are f.o.b. Toronto, Hamilton, Montreal, St. John and Halifax. Terms 3 per cent. cash, freights equalized.

Soil Pipe and Fittings.

Discount, 60 and 10 per cent. on medium and extra heavy, and 60 per cent. on light

Solder.

	Per lb.	Per lb.
Bar half-and-half, guarant'd	....	0 19
Bar half-and-half, commer'l	....	0 18½
Refined	....	0 18
Wiping	....	0 17½

Antimony.

Cookson's, per lb	....	0 10

White Lead.

	Per 100 lb.
Pure	5 87½
No. 1	5 50
No. 2	5 12½
No. 3	4 75
No. 4	4 37½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B B. Genuine	7 00
" " No. 1	6 00

Red Lead.

Genuine, 560 lb. casks, per cwt.	....	$4 75
Genuine, 100 lb. kegs, per cwt.	....	5 00
No. 1 560 lb. casks, per cwt.	....	4 25
No 1, lb kegs, per cwt	....	4 50

White Zinc.

Extra Red Seal	0 06	0 08
No. 1	0 05½	0 07
No. 2	0 05	0 06

Dry White Lead.

Pure, casks	5 25
Pure, kegs	5 50
No. 1, casks	5 00
No. 1, kegs	5 25

Prepared Paints

In ¼, ½ and 1 gallon tins.

Pure, per gallon	....	1 25
Second qualities, per gallon	....	1 10
Barn (in bbls.)	0 60	0 90
The Sherwin-William Paints	....	1 40
Canada Paint Co's Pure	....	1 25
Toronto Lead & Color Co's Pure	....	1 25
Sanderson Pearcy's Pure	....	1 20
Stewart & Wood's Champion Pure		1 20

Colors in Oil.

25 lb. tins, Standard Quality.

Venetian Red, per lb	0 04½	0 06
Chrome Yellow	0 12	0 14
Golden Ochre	0 08	0 10
French "	....	0 06
Marine Black	....	0 09
Chrome Green	....	0 10
French Imperial Green	....	0 12
Sign Writers' Black	....	0 16
Burnt Umber	....	0 11
" Sienna	....	0 11
Raw Umber	....	0 11
" Sienna	....	0 11

Colors, Dry.

Common Ochre bbls	1 20	1 30
Yellow Ochre J.F.L.S., bbls	...	2 00
Yellow Ochre (La Belle)	1 15	1 25
Brussels Ochre	....	2 00
Venetian Red (best), bbl	1 75	2 00
English Oxides, per cwt	3 00	3 25
American Oxides, bbls	1 25	2 00
Canadian Oxides, 1 bls	1 25	1 75
Super Magnetic Oxides, 93p.c.	2 00	2 25
Burnt Sienna, pure, per lb	....	0 10
" Umber, " "	....	0 10
Raw do	....	0 09
Drop Black, pure	....	0 09
Chrome Yellows, pure	...	0 18
Chrome Greens, pure, per lb.	0 09	0 10
Golden Ochre	0 04	0 05
Ultramarine Blue in 28-lb. boxes, per lb	0 06	0 18
Fire Proof Mineral, per 100 lb	....	1 00
Genuine Eng. Litharge, per lb	....	0 07
Mortar Color, per 100 lb	1 25	1 50
Pure Indian Red, No. 45 lb.	0 08	0 10
Whiting, bbl	0 55	0 60
English Vermillion in 30-lb. bags		0 95

Paris Green.

	per lb.
Petroleum Casks	.....
Arsenic Kegs	....
50-lb. and 100-lb. drums	.....
25-lb. drums	...
1-lb packages	.....
½-lb. do	.....
1-lb. tins	.....
½-lb do	....

F. O. B. Toronto. Terms—3 p. c. off 30 days, or 4 mos. from date of delivery.

Blue Stone.

Casks, for spraying, per lb	0 07
100-lb. lots, do. per lb	0 08

Putty.

Bulk in bbls.,	1 90
Bulk in less quantity	2 05
Bladders in bbls	2 25
Bladders in kegs, boxes or loose	2 40
Bladders in 25-lb. tins	2 35
Bladders in 12½-lb. tins	2 65
Bladders in bulk or tins less than 100 lb	2 90

Varnishes.

In 5-gal. lots.	Per Gal.	net.
Carriage, No. 1	1 50	1 60
Pale Durable body	4 10	4 25
" rubbing	2 85	3 20
Gold Size, Japan	2 85	3 00
No. 1 Brown Japan	0 85	0 90
Elastic Oak	....	1 50
Furniture, extra	....	1 25
" No. 1	....	1 10
Hard Oil Finish	1 65	1 75
Light Oil Finish	1 40	1 60
Demar	1 70	1 85
Shellac, white	2 3	2 45
" orange	2 25	2 35
Turpentine Brown Japan	1 25	1 30
" Black Japan	0 85	1 20
" " No. 1	0 50	0 75

Elastilite Varnish 1 gal. can, each, $2 00.
Granitine Floor Finish per gal., $2.75.
Maple Leaf Coach Enamels; Size 1, $1 20 Size 2, 70c.; Size 3, 45c. each.
Sherwin-Williams' Copal Varnish, assorted case, from ½ pts. to 1 gal., $2.50.

Castor Oil.

East India, in cases, per lb	0 09½	0 10
" " small lots	0 10	0 10½

Cod Oil, Etc.

Cod Oil per gal	0 50	0 55
Pure Olive	....	1 20
" Neatsfoot	....	90

Glue.

Common	0 08½	0 09
French Medal	0 14	0 14½
Cabinet sheet	0 12	0 13
White, extra	0 18	0 20
Gelatine	0 22	0 30
Strip	0 18	0 20
Coopers	0 19	0 20
Huttner	....	0 18

THOS. GOLDSWORTHY & SONS

MANCHESTER, ENGLAND.

EMERY { Cloth / Corn / Flour

We carry all numbers of Corn and Flour Emery in 10-pound packages, from 8 to 140, in stock. Emery Cloth, Nos. OO., O., F., FF., 1 to 3.

JAMES HUTTON & CO., Wholesale Agents for Canada, **Montreal.**

HARDWARE.

Ammunition.

Cartridges.

B. B Caps Dom. 50 and 5 per cent.
Rim Fire Pistol, dis 40 p. c., Amer
Rim Fire Cartridges, Dom., 5 and 5 p. c
Central Fire Pistol and Rifle 10 p.c. Amer.
Central Fire Cartridges, pistol sizes Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 per cent.
Central Fire, Military and Sporting, Amer. add 5 p.c. to list. B.B. Caps, discount 40 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 10 p.c. advance on list.
Brass Shot Shells, 55 per cent.
Primers, Dom., 30 per cent.; American, $1.60.

Wads	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb. bags	70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 5
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	
Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 20 per cent.

Anvils.

Wright's, 80-lb. and over 0 10¾
Hay Budden, 80-lb. and over 0 09½
Brook's, " " 0 11¼

Augers.

Gilmour's discount 65 and 5 p.c. off list.

Axes.

Chopping Axes

Single bit, per doz	5 50	10 00
Double bit, "	11 00	18 00

Bench Axes, 40 p.c.
Broad Axes, 25 per cent.

Hunters' Axes	5 50	6 00
Boys' Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Axle Grease.

Ordinary, per gross	5 75	6 00
Best quality	13 00	15 00

Bath Tubs.

Zinc 6 00
Copper, discount 15 p.c. off revised list

Baths.

Standard Enameled.

5¼-inch rolled rim, 1st quality 25 00
" " " 2nd " 21 00

Anti-Friction Metal.

"Tandem" A	per lb.	0 27
" B	"	0 21
" C	"	0 11½
Magnolia Anti-Friction Metal, per lb		0 25
Frictionless metal, per lb		0 23

SYRACUSE SMELTING WORKS.

Aluminum, genuine	0 41
Dynamo	0 27
Special	0 22
Aluminum, 99 p.c. pure "Syracuse"	0 45

Bells.

Hand

Brass, 60 per cent.
Nickel, 55 per cent.

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Door.

Gongs, Sargant's 5 50 8 00
" Peterboro', discount 45 per cent

Farm.

American, each 1 25 3 00

House.

American, per lb 0 35 0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00
Blacksmiths', discount 40 per cent.		

Belting.

Extra, 60 per cent.
Standard, 60 and 10 per cent.
No. 1, not wider than 6 in., 60 10 and 10 p.c.
Agricultural, not wider than 4 in., 75 p.c.

Bits.

Auger.

Gilmour's, discount 60 and 5 per cent.
Rockford, 50 and 10 per cent.
Jennings' Gen. net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind and Bed Staples.

All sizes, per lb 0 07¾ 0 12

Bolts and Nuts.

	Per cent.
Carriage Bolts, common ($1 list)	55
" " full square ($2.40 list)	55
" " Norway iron ($3 list)	50
Machine Bolts, all sizes	50 and 5
Plough Bolts	50 and 5
Blank Bolts	50 and 5
Bolt Ends	50 and 5
Sleigh Shoe Bolts	65 and 5
Coach Screws, cone point	66⅔
Nuts, square, all sizes, 3½c per lb. off.	
Nuts, hexagon, all sizes, 3¾c. per lb. off.	
Stove rods, per lb	5½ to 6c.
Nuts, in 50 lb. lots ¼c. per lb extra, in less than 50 lb. lots, ½c. extra.	

Boot Calks.

Small and medium, ball, per M 4 25
Small heel, per M 4 50

Bright Wire Goods.

Discount 62½ per cent

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent

Henis, No. 8		6 00
Henis, No. 9,		7 00
Queen City	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Butcher Knives.

Bailey's, per doz 0 60 6 30

Building Paper, Etc.

Tarred felt, per 100 lb	1 70
Ready roofing, 2-ply, not under 45 lb. per rol	85
Ready roofing, 3-ply, not under 65 lb. per roll	1 10
Carpet felt, per ton	45 00
Dry sheathing, per roll, 400 sq ft	30
Tar sheathing, " " "	40
Dry fibre " " "	50
Tarred fibre, " " "	60
O.K. & I.X.L., " " "	65
Resin-sized, " " "	40
Oiled sheathing, " 600 "	1 10
" " " 400 "	70
Roof coating, in barrels, per gal	17
" " small packages	25
Refined tar, per barrel	4 50
Coal tar, "	4 00
Coal tar, less than barrels, per gal	15
Roofing pitch, per 100 lb	85

Bull Rings.

Copper, $2.00 for 2½ in. and $1.90 for 2 in.

Butts.

Wrought Brass net revised list.

Cast Iron.

Loose Pin, dis., 60 per cent.

Wrought Steel

Fast Joint, dis. 65, 10 and 2½ per cent.
Loose Pin, dis. 65, 10 and 2½ per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.
Gen. Bronzed, per pair 0 40 0 65

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	....

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross 8 50 9 50

Cement.

Canadian Portland	1 90	2 75
English "	3 00	3 15
Belgian "	2 50	2 75
Canadian hydraulic	1 25	1 50

Chalk.

Carpenters Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 70 per cent.
Warnock's, dis. 70 per cent.
P. S. & W. Extra 60, 10 and 5 p.c.

Churns.

Revolving Churns, metal frames—No. 0, $8—No. 1, $8.50—No. 2, $9.00—No. 3, $10.00—No. 4, $12.00—No. 5, $16.00 each. Ditto, wood frames—20c. each less than above. Discounts: Delivered from factories, 56 p.c.; from stock in Montreal, 54 p.c. Terms, 4 months or 3 p.c. cash in 30 days

Clips.

Axle dis. 65 per cent.

Closets.

	Net.
Plain York or Ontario Syphon Jet.	$9 60
Emb. York or Ontario Syphon Jet.	10 20
Fittings	1 00
Plain Elgin or Teu. Syphon Washout	6 00
Emb. Elgin or Teu. Syphon Washout	6 60
Fittings	1 25
Low Down Elgin or Teutonic, plain	9 60
" " " " emb.	10 20
Plain Richelieu	4 00
Emb. Richelieu	4 25
Connections	1 25
Low Down Ont. Sy. Jet, plain	11 70
" " " " " emb'd.	12 30
Closet connection	1 25
Basins P.O., 14 in.	0 70
" oval 17 x 14 in.	1 50
" " 19 x 15 in.	2 25

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Conductor Pipe.

Plain or Corrugated.

2-inch, per 100 feet	3 00
3 " " "	4 00
4 " " "	5 25
5 " " "	6 75
6 " " "	9 00

Cradles, Grain.

Canadian, dis. 25 to 33⅓ per cent.

Crosscut Saw Handles.

S. & D., No. 3, per pair	17½
" " 5, "	22½
" 6, "	15
Boynto pattern "	20

Door Springs.

Torrey's Rod, per doz	(15 p.c.	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Coach and Wagon, dis. 50 and 10 per cent
Carpenters, dis. 70 per cent.

Drills.

Hand and Breast

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis., 37½ to 40 per cent.
Standard dis. 50 and 5 to 55 per cent.

Faucets.

Common, cork-lined, dis. 35 per cent.

EAVE TROUGH.

10-inch, per 100 ft. $3 10

ELBOWS. (Stovepipe.)

	per doz
5 and 6-inch, common	1 20
7-inch	1 35

Polished, 15c. per doz. extra.

ESCUTCHEONS.

Discount, 45 per cent.

ESCUTCHEON PINS.

Iron, discount 40 per cent.

FACTORY MILK CANS.

Discount off revised list, 40 per cent.

FILES AND RASPS.

Great Western	70 and	10	per cent.
Arcade	70 "	10	"
Kearney & Foot	70 "	10	"
Disston's	70 "	10	"
American	70 "	10	"
J. Barton Smith	70 "	10	"
McClellan	70 "	10	"
Eagle	70 "	10	"
Nicholson, 60 and 10 to 60, 10 and 5			"
Royal	80		"
Globe	70 to	75	"

Black Diamond, 60 and 10 to 60, 10 and 5 p.c.
Jowitt's, English list, 25 to 27½ per cent.
Nicholson File Co.'s "Simplicity" file handle per gross, 85c. to $1.50.

GLASS—Window—Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	D. Diamond Per 50 ft.	D. Diamond Per 100 ft.
Under 26	2 20	4 25	....	6 25
26 to 40	2 40	4 65	....	8 75
41 to 50	....	5 10	....	7 50
51 to 60	....	5 35	....	8 50
61 to 70	....	5 75	....	9 75
71 to 80	....	6 25	....	11 00
81 to 85	....	7 00	....	12 55
86 to 90	....	7 75	..	15 00
91 to 95	..	....	...	17 50
96 to 100	.. ..	....	.. ..	20 50

GAUGES

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's, Nos. 26 to 33, each 1 65 2 40

HALTERS.

Rope, ⅜ per gross	....	....
" ½ "	....	9 00
" ⅝ to ¾	....	14 00
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

	Can.	dis.
Maydole's, dis. 5 to 10 per cent 25 to 27½ per cent.		

Tack.

Magnetic per doz	1 10	1 50

Sledge.

Canadian per lb	0 07½	0 08¾

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz. net	1 50	2 00
Store door, per doz	1 00	1 50

Fork.

C. & B., dis. 40 per cent. rev. list.

Hoe.

C. & B., dis. 40 per cent. rev. ist.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 75

Hammer and Hatchet.

Canadian, 40 per cent.

Cross-Cut Saws.

Canadian, per pair	0 13¾

HANGERS.

	doz. pairs.	
Steel barn door	5 85	6 00
Stearns, 4 inch	....	5 00
" 5 inch	....	6 50
Lane's covered—		
No. 11, 5-ft. run	....	8 40
No. 11½, 10-ft. run	....	10 80
No. 12, 10-ft. run	....	12 60
No. 14, 15-ft. run	....	21 00
Lane's O.N.T. track, per foot	....	4½

HARVEST TOOLS

Discount, 60, 10 and 10 per cent.

HATCHETS

Canadian, dis. 40 to 42½ per cent.

Important

Our new PRICE LISTS in CATALOGUE form are now almost completed and contain much useful information about Building Papers and Roofing material in general. We are offering our customers the benefit of the experience and information we have acquired through twenty-five years' connection with the line of business in which we are engaged.

THE PATERSON MFG. CO., Limited, TORONTO and MONTREAL.

HINGES.

Blind, Parker's, dis. 50 and 10 to 60 per cent.
Heavy T and strap, 4-in., per lb.... 0 06½
" " 5-in., " 0 06¼
" " 6-in., " 0 06
" " 8-in., " 0 05¾
" " 10-in., " 0 05½
Light T and strap, dis. 65 and 5 per cent.
Screw hook and hinge—
6 to 10 in., per 100 lbs.... .... 4 50
12 in. up, per 100 lbs..... .... 3 25
Per gro. pairs
Spring..... .... 12 00

HOES.

Garden, Mortar, etc., dis. 50 and 10 p.c.
Planter, per doz..... 4 00 4 50

HOLLOW WARE

Discount,..... 45 and 5 per cent.

HOOKS.

Cast Iron.

Bird Cage, per doz..... 0 50 1 10
Clothes Line, per doz..... 0 27 0 63
Harness, per doz..... 0 72 0 88
Hat and Coat, per gross..... 1 00 3 00
Chandelier, per doz..... 0 50 1 00

Wrought Iron.

Wrought Hooks and Staples, Can. dis. 47½ per cent.

Wire.

Hat and Coat, discount 45 per cent.
Belt, per 1,000 ..... 0 60
Screw, bright, dis. 55 per cent.

HORSE NAILS.

"C" brand 50 and 7½ p.c. off new list } Oval-
"M" brand 50, 10 and 5 per cent. } head
Countersunk, 60 per cent.

HORSESHOES.

F.O.B. Montreal

Iron Shoes.	No. 2 and larger.	No. 1. and smaller.
Light, medium and heavy...	3 50	3 75
Snow shoes.....	3 75	4 00
Steel Shoes.		
Light.....	3 60	3 85
Featherweight (all sizes).....	4 85	4 85

F.O.B. Toronto, Hamilton, London and Guelph, 10c. per keg additional.
Toe weight steel shoes..... 6 70

JAPANNED WARE.

Discount, 45 and 5 p.c. off list, June 1899.

ICE PICKS.

Star per doz..... 3 00 3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.
Copper, per lb..... 0 30 0 50
American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 45 p.c.
Cabinet, trunk, and padlock, Am. per gross 60

KNOBS.

Door, japanned and N.P., per doz..... .... 1 50 2 00
Bronze, Berlin, per doz..... 2 75 3 25
Bronze Genuine, per doz.... 6 00 9 00
Shutter, porcelain, F. & L screw, per gross 1 30 4 00
White door knobs—per doz. 1 25

HAY KNIVES.

Discount, 50 and 10 per cent.

LAMP WICKS.

Discount, 60 per cent.

LANTERNS.

Cold Blast, per doz..... 7 00
No. 3 "Wright's"..... 8 50
Ordinary, with O burner..... 4 00
Dashboard, cold blast..... 9 00
No. 0..... 5 75
Japanning, 50c. per doz. extra

LEMON SQUEEZERS.

Porcelain lined, ...per doz. 2 20 5 60
Galvanized 1 87 3 35
King, wood..... 2 75 2 90
King, glass..... 4 00 4 50
All glass..... 1 20 1 30

LINES.

Fish per gross..... 1 05 2 50
Chalk " 1 90 7 40

LOCKS.

Canadian, dis. 45 p.c.
Russel & Erwin, per doz.... 3 00 3 25
Cabinet.
Eagle, dis. 30 p.c.

Padlocks.

English and Am. per doz.... 50 6 00
Scandinavian, " 1 00 2 40
Eagle, dis. 20 to 25 p.c.

MACHINE SCREWS. Iron and Brass.

Flat head discount 25 p.c.
Round Head discount 20 p.c.

MALLETS.

Tinsmiths' per doz..... 1 25 1 50
Carpenters', hickory, per doz. 1 25 3 75
Lignum Vitae, per doz.. .... 3 85 5 00
Caulking each..... ..... 60 2 00

MATTOCKS.

Canadian, per doz..... 5 50 6 50

MEAT CUTTERS.

American, dis. 25 to 30 p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are :	Cut.	Wire.
2 d and 3d	$3 35	$3 55
3 d	3 00	3 22
4 and 5d..... ..	2 75	3 05
6 and 7d.....	2 65	2 90
8 and 9d.....	2 50	2 70
10 and 12d.....	2 45	2 65
16 and 20d..	2 40	2 60
30, 40, 50 and 60d. (base).....	2 35	2 55

Wire nails in carlots are $2.50
Galvanizing 2c. per lb. net extra.
Steel Cut Nails 10c. extra.
Miscellaneous wire nails, dis. 75 p.c.
Coopers' nails, dis. 30 per cent.
Flour barrel nails, dis. 25 per cent

NAIL PULLERS.

German and American..... 1 85 3 50

NAIL SETS.

Square round, and octagon per gross..... 3 38 4 0
Diamond..... 12 00 15 00

POULTRY NETTING.

2-in. Mesh, 19 w.g., dis. 60 p.c.
2-in. Mesh, 18 w.g. and heav.er, 50 and 10 p.c.

OAKUM. Per 100 lb

Navy 6 00
U.S. Navy..... ..... 7 25

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal. per doz..... .... 10 00
Zinc and tin, dis. 50, 50 and 10.
Copper, per doz..... 1 25 3 50
Brass, " 1 50 3 50
Malleable, dis. 25 per cent.

GALVANIZED PAILS.

Dufferin pattern pails, dis. 45 p.c.
Flaring pattern, discount 45 per cent.
Galvanized washtubs discount 45 per cent.

PIECED WARE.

Discount 40 per cent. off list, June, 1899.
10-qt. flaring sap buckets, dis. 40 p.c.
6, 10 and 14-qt. flaring pails, dis. 40 p.c.
Creamer cans, dis. 40 p.c.

PICKS.

Per doz..... 6 00 9 00

PICTURE NAILS.

Porcelain head, per gross... 1 75 3 00
Brass head " 0 40 1 00

PICTURE WIRE.

Tin and gilt, discount 75 p.c.

PINE TAR.

½ pint in tins, per gross. 7 80
1 " " " 9 60

PLANES.

Wood, bench, Canadian dis. 40 per cent. American dis. 50.
Wood, fancy Canadian or American 7½ to 40 per cent.

PLANE IRONS.

English, per doz..... 2 00 5 00

PLIERS AND NIPPERS.

Button's Genuine per doz pairs, dis. 37½ 40 p.c.
Button's Imitation, per doz.. 5 00 9 00
German, per doz..... 0 60 2 60

PLUMBERS' BRASS GOODS.

Standard Compression work, dis. 60 p.c.
"J.M.T." Cushion work, dis. 50 p.c.
Fuller work, dis. 65 p.c.
6 doz. lots and over of the above, extra dis. 10 p c.
Lever Handle Stops and Waste, discount 60 p.c. With, in lots of 2 doz. and over, an extra dis. of 10 p.c.
"J.M.T." Globe, Angle and Check Valves, dis 55 p.c.
Standard Globe, Angle and Check Valves, dis. 65 p.c.
"J.M.T." Radiator Valves, dis. 55 p c.
Standard " " dis., 65 p.c.
Patent Quick Opening Valves, dis. 70 p.c.
No. 1 compression bath cock, net .. 2 00
No. 4 " " " 2 00
No. 7, Fuller's 2 20
No. 4½, " 2 35
Patent Compression Cushion, basin cock, hot and cold, per doz 15 00
Patent Compression Cushion, bath cock. No. 2208 ..... 2 25
Square head brass cocks, 60 p.c.
" " iron " 60 p.c.
Globe Angle or check valves, 70 p.c.
Competition Globe, Angle and Check Valves discount, 70 p. c.
Competition Quick Opening Radiator Valves, discount, 70 p.c.

PRESSED SPIKES.

Discount 25 per cent.

PULLEYS.

Hothouse, per doz..... 0 55 1 00
Axle..... 0 22 0 33
Screw..... 0 27 1 00
Awning..... ..... 0 35 2 50

PUMPS.

Canadian cistern..... 1 80 3 60
Canadian pitcher spout..... 1 40 2 10

PUNCHES.

Saddlers', per doz..... 1 00 1
Conductors' " 9 00 15 00
Tinners', solid per set..... 0 00 0 72
" hollow per inch..... 0 00 1 00

RANGE BOILERS.

		Net.
Dominion, 30 gal.		5 75
Dominion, 35 "		6 75
" 40 "		7 75
Ronald's Galvanized, 30 gallons		6 50
" " 35 "		7 50
" " 40 "		8 50
Copper, 30 gallons.....		20 00
" 35 "		23 20
" 40 "		26 40

RAKES.

Wood, 10 per cent.

RAZORS.

	per doz.	
Elliot's	4 00	18 00
Geo. Butler & Co.'s.....	4 00	18 00
Boker's.....	7 50	11 00
" King Cutter.....	12 50	50 00
Wade & Butcher's	3 60	10 00
Theile & Quack's.....	7 00	12 00
Bailey's	6 00	12 00
Carbo Magnetic Razor	....	15 00
Griffon Barbers' Favorite	....	10 75
Griffon No. 65.....	....	13 50
Griffon Safety Razors.....	....	13 50
" Stropping Machines.		13 50

All other razors 50 p.c. off catalogue price.

REGISTERS.

Discount ..... 40 per cent

RIVETS AND BURRS.

Iron Rivets, black and tinned, discount 60 and 10 per cent.
Iron Burrs, discount 55 per cent.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets with usual proportion burrs, 45 and 10 dis., cartons, 1c. per lb. extra, net.
Copper Burrs only, 30 and 10 p.c.
Extras on Tinned or Coppered Rivets, ½-lb. cartons, 1c. per lb.

RIVET SETS.

Canadian, dis. 35 to 37½ per cent.

ROPE, ETC.

Sisal	12½
Pure Manilla.....	16
"British" Manilla.....	14
Cotton, 3-16 inch and larger.....	16
" 5-32 inch....	21
" ⅛ inch	22
Russia Deep Sea.	15
Jute.....	8
Lath Yarn	11

Sisal bed cord, 48 ft.....	per doz.	65
" " 60 ft.....	"	80
" " 72 ft.....	"	95

RULES.

Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS. per set.

Mrs. Potts, No. 55, polished. 65
" No. 50, nickle-plated. 75

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ pe cent.
B & A. sand, 40 and 5 per cent.
Emery, 40 per cent.
Garnet (Rurton's), 5 to 10 p.c. advance on list.

SAP SPOUTS.

Bronzed iron with hooks, per doz. 9 50

SAWS.

Hand Disston's, dis. 12½ p.c.
S. & D., 40 per cent.
Crosscut, Disston's, per ft.. 0 35 0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.
Hack, complete, each 0 75 2 75
" frame only 0 75

SASH WEIGHTS.

Sectional, per 100 lbs..... 2 25 2 50
Solid, " 1 75 2 00

SASH CORD.

Per lb..... 0 23 0 30

SAW SETS.

Lincoln and Whiting, per doz. 4 75
Hand Sets, No. 1 Woodyatt (Morrill) 4 25
X-cut Sets, No. 3 Woodyatt (Morrill) 9 50

SCALES.

Fairbanks Standard, 35 p.c.
" Dominion, 55 p.c.
" Richelieu, 55 p.c.
Warren's new Standard. 45 p c.
" " Champion 65 p.c.
Burrow, Stewart & Milne—
Imperial Standard, 45 per cent.
Weigh Beams, 35 per cent.
Champion Scales, 55 per cent.
Spring Balances, 10 p.c.

SCREW DRIVERS.

Sargent's per doz..... 0 65 1 00

SCREWS.

Wood, F.H., bright and steel, 87½ and 10 p.c
Wood R. H., " dis. 82½ and 10 p.c.
" F. H., brass dis. 80 and 10 p.c.
Wood, R. H., " dis. 75 and 10 p.c.
" F.H., bronze, dis. 75 p.c.
" R.H. " 70 p.c.
Drive Screws, 87½ and 10 per cent.
Bench, wood, per doz. 3 25 4 00
" iron, " 4 25 5 75
Set, Case hardened, 60 per cent.
Square Cap, 50 and 5 per cent.
Hexagon Cap, 45 per cent.

SCYTHES.

Per doz., net..... 9 00

SCYTHE SNATHS.

Canadian, dis. 45 p.c.

SHEARS.

Bailey Cutlery Co., full nickeled, dis. 60 and 2½ p.c.
Bailey Cutlery Japan handles, 67½ p.c.
Seymour's, dis. 50 and 10 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SINKS.

Steel and galvanized, discount 45 per cent.

SNAPS.

Harness, German, dis. 25 p.c.
Lock, Andrews' 4 50 11 50

SOLDERING IRONS.

1, 1½ lb., per lb..... 0 37
2 lb. or over, per lb..... 0 34

SQUARES.

Iron, No. 493, per doz..... 2 40 2 55
" Mo. 494, " 3 25 3 40
Steel, dis. 60. 10 and 5 p.c.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.

Plain, dis., 75 p.c. off revised st
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized..... 3 50 4 00
Plain..... 3 25 3
Coopers', discount 45 per cent.
Poultry netting staples, 40 per cent.

STANDARD CHAIN CO., PITTSBURGH, U. S. A.

MANUFACTURERS OF **CHAIN** OF ALL KINDS.

Proof Coil, B.B., B.B.B., Crane, Dredge Chain, Trace Chains, Cow Ties, etc.

ALEXANDER GIBB, Montreal. —Canadian Representatives— **A. C. LESLIE & CO., Montreal.**

For Provinces of Ontario and Quebec. **For other Provinces.**

STOCKS AND DIES.

American dis. 25 p.c.

STONE.	Per lb.	
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip,	0 09	0 09
Labrador	....	0 13
" Axe	....	0 15
Turkey	....	0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, 2in, 40 to 200 lb, per ton	....	25 00
" under 40 lb. "	....	28 00
Grind. under 2 in. thick "	....	29 00

STOVE PIPES.

5 and 6 inch Per 100 lengths	7 00
7 inch " "	7 50

ENAMELINE STOVE POLISH.

No. 4—3 dozen in case, net cash	$4 8
No. 6—3 dozen in case, "	8 40

TACKS, BRADS, ETC.

Cheese-box tacks, blued .....80 & 12½
Trunk tacks, black and tinned 85
Carpet tacks, blued .....80 & 15
" " tinned .....80 & 20
" " (in kegs) 40
Cut tacks, blued, in dozens only ..80
" ¼ weights.....60
Swedes cut tacks, blued and tinned—
In bulk.....80 & 10
In dozens.....75
Swedes, upholsterers', bulk....85, 12½ & 12½
" brush, blued & tinned, bulk..70
" gimp, blued, tinned and japanned..... .....75 & 12½
Zinc tacks 35
Leather carpet tacks 55
Copper tacks 50
Copper nails 52½
Trunk nails, black.....65 and 5
Trunk nails, tinned.....65 and 10
Clout nails, blued .....65 and 5
Chair nails 35
Patent brads 40
Fine finishing..... 40
Lining tacks, in papers 10
Lining tacks, in bulk 15
" " solid heads, in bulk.... ... 75
Saddle nails in papers..... 10
" " in bulk..... 15
Tufting buttons, 22 line, in dozens only 60
Tin capped trunk nails..... 25
Zinc glazier's points..... 5
Double pointed tacks, papers.....90 and 10
" " " bulk 40

TAPE LINES.

English, ass skin, per doz....	2 75	5 00
English, Patent Leather....	5 50	9 75
Chesterman's each.....	0 90	2 85
" steel, each	0 80	8 00

TINNERS' SNIPS.

Bailey's, dis. 25 p.c.

THERMOMETERS.

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TRAPS. (Steel.)

Game, Newhouse, dis. 25 p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's discount 10 per cent.

German, per doz.....	4 75	6 00

S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb.....	....	0 27
Wrapping, cotton, 3-ply.....		0 18½
" " 4-ply.....	....	0 23½
Mattress, per lb.....	0 33	0 45
Staging, "	0 27	0 35

VISES.

Wright's	....	0 13½
Brook's	....	0 12¾
Pipe Vise, Hinge, No. 1.....	....	3 50
" " " No. 2	....	5 50
Saw Vise	4 50	9 00

ENAMELLED WARE.

White, Princess, Turquoise, Blue and White, discount 50 per cent.
Diamond, Famous, Premier, 50 and 10 p.c.
Granite or Pearl, Imperial, Crescent, 50, 10 and 10 per cent.

WIRE.

MOOTH STEEL WIRE.

No. 0-9 gauge.....	$2 60	
10 "	6c. extra.	
11 "	12c.	"
12 "	20c.	"
13 "	30c.	"
14 "	40c.	"
15 "	55c.	"
16 "	70c.	"

Add 60c. for coppering and $2 for tinning.

Extras net per 100 lb. — Oiled wire 10c., spring wire $1.25, special hay baling wire 30c., best steel wire 75c., bright soft drawn 15c., charcoal (extra quality) $1.25, packed in casks or cases 15c., bagging and papering 10c., 50 and 100-lb. bundles 10c., in 25-lb. bundles 15c., in 5 and 10-lb. bundles 25c., in 1-lb. hanks 50c., in ½-lb. hanks 75c., in ¼-lb. hanks $1.

Fine Steel Wire, dis. 22½ per cent List of extras : In 100-lb. lots : No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, 7.65—No. 24, $8—No. 25, $9—No. 26. $9.50—No. 27, $10—No. 28, $11 No. 29. $12—No. 30, $13—No. 31, $14—No. 32 $15, No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31 $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles. 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.50 to $3.85—No. 9, $2.85 to $3.15—No. 10, $3.60 to $3.95—No. 11, $3.70 to $4.10—No. 12, $3 to $3.30—No. 13, $3.10 to $3.40—No. 14, $4.10 to $4.50—No. 15, $4.60 to $5.05—No. 16. $4.85 to $5.35. Base sizes, Nos. 6 to 9 $2.52½ f.o.b. Cleveland.
Clothes Line Wire, regular 7 strand. No. 17, $4.65; No. 18, $2.90; No. 19, $2.60. Hollow 6 strand, No. 17, $4.30; No. 18, $2.70, No. 19, $2.35; No. 20, $2.30, f.o.b. Hamilton, Toronto Montreal.

WIRE FENCING.

Galvanized barb	....	3 00
Galvanized, plain twist.....	....	3 00

Galvanized barb, f.o.b. Cleveland, $2.77½ in less than carlots, and $2.65 in carlots

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net.. 1 30
Terms, 3 per cent. off 30 days.

WASTE COTTON.

	per lb.
Colored.....	6
White	8

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 60 p.c.
Coe's Genuine, dis. 20 to 25 p.c.

Towers' Engineer, each.....	2 00	7 00
" S., per doz.....	5 80	6 00
G. & K.'s Pipe, per doz.....	....	3 40
Burrell's Pipe, each.....	....	3 00
Pocket, per doz.....	0 25	2 90

WRINGERS.

Leader..... per doz.	$30 00	33 00
Royal Canadian.. "	....	24 00
Royal American., "	....	24 00
Sampson..... "	....	24 00

Terms 4 months, or 3 p.c. 30 days.

WROUGHT IRON WASHERS.

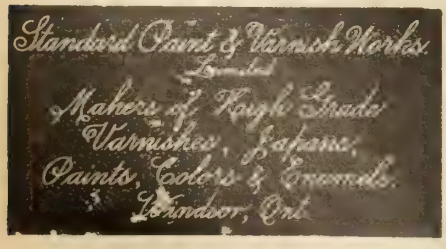
Canadian make, discount, 40 per cent.

ADVERTISING in WESTERN CANADA

will be Carefully Efficiently, and Promptly attended to, by

The Roberts Advertising Agency,

WINNIPEG CANADA.



"PULLMAN"

TROUSER or SKIRT HANGERS.

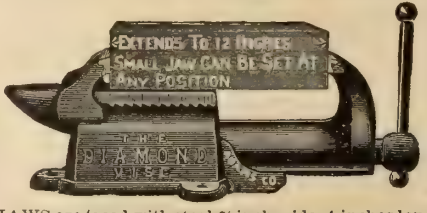
TWO SIZES

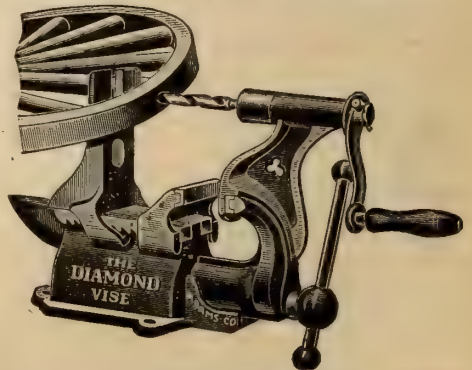


PULLMAN SASH BALANCE CO.,
ROCHESTER, N.Y., U.S.A.

DIAMOND VISE AND DRILLING ATTACHMENT

U. S. Patent Jan. 15, '95. Canadian Patent July 22, '95.





JAWS are faced with steel ⅞ inch wide, 4 inches long, firmly fastened to jaw, checked and hardened.
VISE weighs 38 pounds. DRILL weighs 13 pounds.
For Sale by Jobbers of Hardware.

Made by—
The Adams Company, Dubuque, Iowa, U.S.A.
Made by **A. R. Woodyatt & Co.**, Guelph, Ont.

CELEBRATED HEINISCH SHEARS.

Tailors' Shears,
Trimmers, Scissors,
Tinners' Snips, etc.



ACKNOWLEDGED THE BEST.

R. HEINISCH'S SONS CO. NEW YORK OFFICE, 90 Chambers St. NEWARK, N.J., U.S.A.

Not connected with any Shear Combination.



Ontario Nut Works, Paris

BROWN & CO.

Manufacturers of

All sizes of Hot Pressed Nuts, Square and Hexagon.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker,

13 St. John Street. Montreal

Representing British and American Manufacturers. Correspondence invited from firms wishing to be represented in Canada.

"THE EMLYN" SAW BENCH

Made in 6 sizes. Best value obtainable. Specially designed for export With or without "Emlyn" Patent Guard. Sole maker—

CHARLES D. PHILLIPS,

Cables—"Machinery," Newport.

Emlyn Engineering Works, NEWPORT, MON., ENGLAND.

ONTARIO SILVER CO.,

Limited,

NIAGARA FALLS, CANADA.

Manufacturers of **FLATWARE, CUTLERY and ELECTRO PLATE. . . .**

Ask for our Catalogue and Quotations.

The Batty Stove & Hardware Co.

Successors to

The Toronto Branch of THE COPP BROS. CO, Limited.

Wholesale dealers in

MANTELS, GRATES, TILES, ETC.

HOT-AIR REGISTERS.

HOT-AIR DAMPERS.

STOVE AND FURNACE CEMENT: 3½ and 5-lb. Cans.

STOVE POLISH. STOVE REPAIRS.

THE BATTY STOVE & HARDWARE CO.

279 Queen West, TORONTO.

HAND-FORGED **HAND-GROUND**

BUTCHER KNIVES

Made from Best English Double Shear Steel



Fully Warranted

STANDARD SHAPES AND HIGHLY POLISHED

Also

Steel-Laid Shears and Scissors and Hand-Forged Razors

Made by

BAILEY CUTLERY CO., LIMITED

Write for Catalogue. **BRANTFORD, CANADA.**

CHAS. F. CLARK, President. **JARED CHITTENDEN, Treasurer.**

...ESTABLISHED 1849...

BRADSTREET'S

Capital and Surplus, $1,500,000. **Offices Throughout the Civilized World.**

Executive Offices: Nos. 346 and 348 Broadway, New York City, U.S.A.

THE BRADSTREET COMPANY gathers information that reflects the financial condition and the controlling circumstances of every seeker of mercantile credit. Its business may be defined as of the merchants, by the merchants, for the merchants. In procuring, verifying and promulgating information, no effort is spared, and no reasonable expense considered too great, that the results may justify its claim as an authority on all matters affecting commercial affairs and mercantile credit. Its offices and connections have been steadily extended, and it furnishes information concerning mercantile persons throughout the civilized world.

Subscriptions are based on the service furnished, and are available only by reputable wholesale, jobbing and manufacturing concerns, and by responsible and worthy financial, fiduciary and business corporations. Specific terms may be obtained by addressing the Company at any of its offices. **Correspondence Invited.**

——OFFICES IN CANADA——

HALIFAX, N.S.	HAMILTON, ONT.	LONDON, ONT.	MONTREAL, QUE.
OTTAWA, ONT.	QUEBEC, QUE.	ST. JOHN, N.B.	TORONTO, ONT.
VANCOUVER, B.C.	VICTORIA, B.C.	WINNIPEG, MAN.	

THOS. C. IRVING, Gen. Man. Western Canada, Toronto. JOHN A. FULTON, Gen. Man. Eastern Canada, Montreal.



Canadian Representative: ALEXANDER GIBB, 13 St. John St., MONTREAL.

75 YEARS. ***ESTABLISHED 1825.*** ***75 YEARS.***

BEAMS CHANNELS ANGLES PLATES

1,500 TONS FOR SALE

All of this material in lengths from 40 to 60 feet.
We can ship promptly, and should be pleased to receive your order.
Prices and stock lists on application.

STEEL FRAME BUILDINGS and ROOF TRUSSES.

Also Steel Bridges for Railways and Highways.

THE HAMILTON BRIDGE WORKS COMPANY LIMITED

Long Distance Telephone, Hamilton 630. **HAMILTON, CANADA.**



Est. 1868 Inc. 1895

Black Diamond File Works

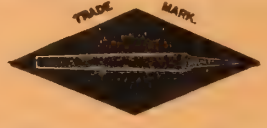
G. & H. Barnett Company

PHILADELPHIA

Twelve Medals



Awarded
By **JURORS** at
International Expositions
Special Prize
Gold Medal at Atlanta, 1895



RUBBER HOSE

FOR

Water	Air	Suction
Steam	Acids	Fire Protection
Gas	Brewers	Pneumatic Tools

SUPERIOR IN QUALITY.
SATISFACTORY IN SERVICE.

When you want anything made of rubber, write to us.

THE GUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

Head Office and Warerooms—
45-47-49 West Front St.

TORONTO,

Factories—115-165 West Lodge Ave.
124-148 O'Hara Ave.

CANADA.

We can quote lowest prices for the following goods in quantities, viz.:

BLACK STEEL SHEETS.
POLISHED STEEL SHEETS.
RANGE STEEL.
GALVANIZED SHEETS.
CANADA PLATES.
SHEET COPPER.
SHEET ZINC.
TIN PLATES—Coke and Charcoal.
WINDOW GLASS.
PLATE GLASS.
WHITE LEAD.
RED LEAD.

Send us your enquiries when next in the market.

B. & S. H. THOMPSON & CO.

53 St. Sulpice Street,

MONTREAL.

VARNISHES AND JAPANS

McCASKILL, DOUGALL & CO.

Manufacturers MONTREAL



Standard Railway and Carriage Varnishes
Standard Boat and Spar Varnishes
—Wont turn white from the effects of water and sun.
Standard Piano, Furniture and Decorative Varnishes
Zanzerine Transparent Wood Finishes and Varnishes
Architectural Varnishes

OFFICES:

161 Summer St., BOSTON, Mass., U.S.A.
30 St. John St., MONTREAL.

Don't pay for a fantastical name. Get practical worth by using
LANGWELL'S BABBIT
MONTREAL.

CANADIAN
HARDWARE
AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XIV. MONTREAL AND TORONTO, APRIL 19, 1902 NO. 16.

POCKET KNIVES
H. BOKER & Cos
IMPROVED
TREE BRAND
TRADE MARK
RAZORS CUTLERY SCISSORS
FOR SALE BY LEADING WHOLESALE HARDWARE HOUSES.

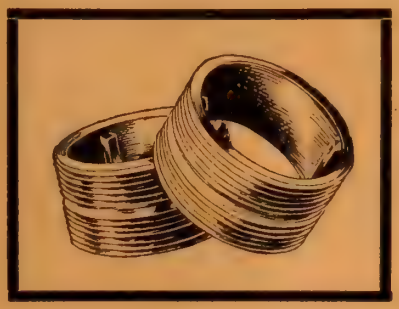
It's "Queen's Head."



That's all you need to know about Galvanized Iron.

JOHN LYSAGHT, Limited, Makers, BRISTOL, ENG.
A. C. LESLIE & CO., MONTREAL, Managers Canadian Branch.

"That Made the Hit"



This is a drawing of the Patent Connection that made the "SAFFORD" famous the world over; that revolutionized radiator building; that made it possible to put a radiator together without bolts, red lead, rods or packing.

The "SAFFORD" is the only radiator on the market for hot-water and steam heating. It means satisfaction every time—is easy to handle for the contractor.

If you have not our Catalogue, write to us.

THE DOMINION RADIATOR CO., Limited
Head Office and Works: DUFFERIN ST. TORONTO, CAN.

BICYCLE SUNDRIES

We have purchased several

Bankrupt Stocks and offer **Special Prices**

while they last on

TIRES, INNER TUBES, Etc.

RICE LEWIS & SON

LIMITED

Write for Catalogue.

TORONTO.

CRUCIBLES

Prompt Shipment. **Write for Prices.**

M. & L. SAMUEL, BENJAMIN & CO.

27 Wellington St. West, TORONTO, ONT.

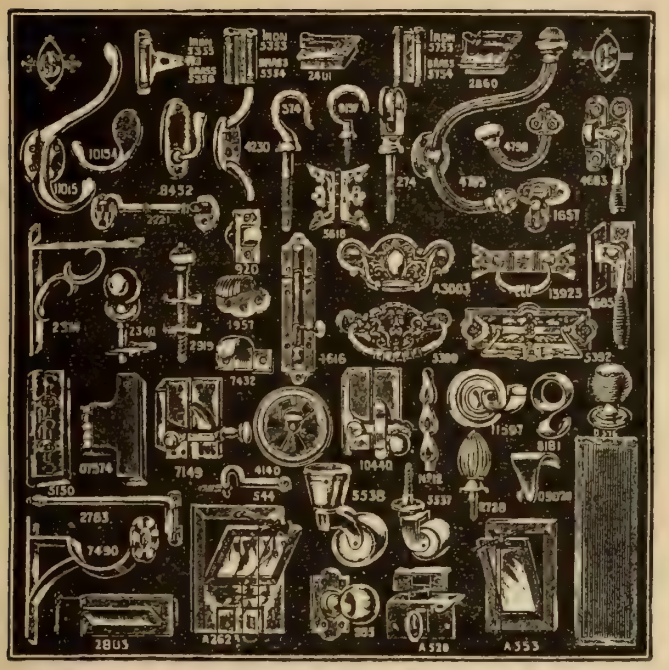
English House: SAMUEL, SONS & BENJAMIN, 164 Fenchurch St., LONDON, E.C.

James Cartland & Son

Manufacturers of every description of **Limited**

CABINET, BUILDERS', FURNISHING AND NAVAL BRASSFOUNDRY

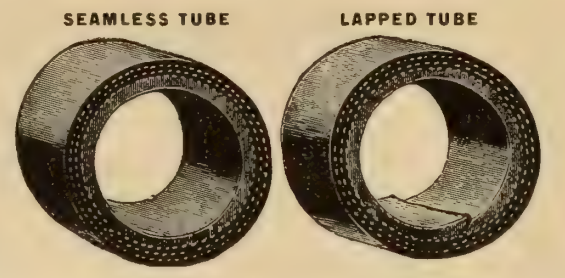
BIRMINGHAM, ENGLAND.



London Showrooms: 57 Holborn Viaduct, E.C.

GARDEN HOSE

Seamless Tube.



All brands of our **GARDEN HOSE** are made with our

Patent Seamless Tube

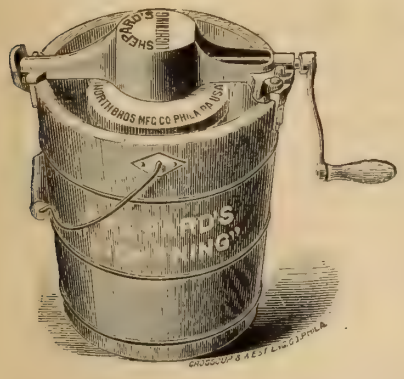
WRITE FOR DISCOUNTS.

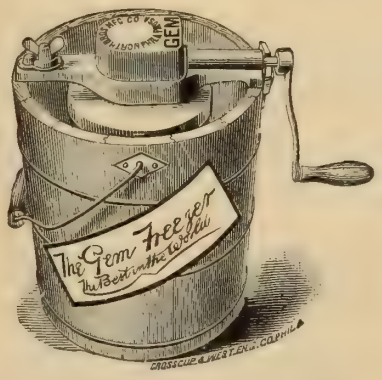
The Canadian Rubber Co.

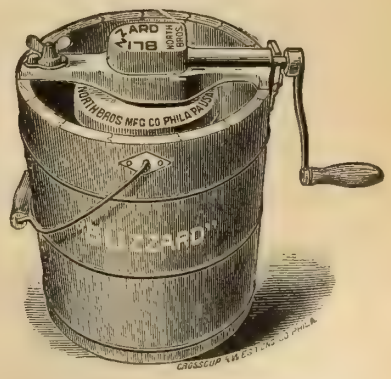
MONTREAL **TORONTO** **WINNIPEG**

Lightning, Gem Blizzard . . .

FREEZERS



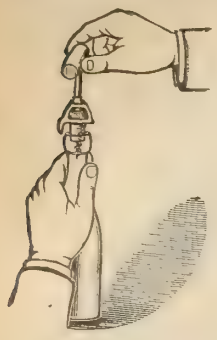


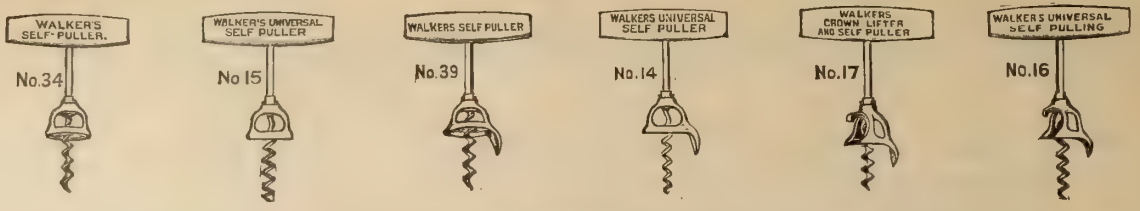


ARE	HAVE	EXCEL IN
Well Advertised.	Cedar Pails with Electric Welded Wire Hoops.	Easy Running.
In Demand.	Cans of Heavy Tin with Drawn Steel Bottoms.	Quick Freezing.
Easily Sold.	AUTOMATIC Twin Scrapers.	Economy.
Satisfactory in Use.	"The Ice Cream Freezer Book" tells all about these and our other Freezers, mailed free.	Convenience.
Of Known Reputation.		Practical Results.

North Bros. Mfg. Co., Philadelphia, Pa., U.S.A.

See! You Don't Have to Pull. A Child Can Do It.



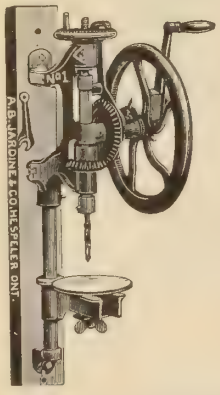


Walker's Self-Pulling Cork Screws

Made of Crucible Steel, Nickel Plated, Polished Apple Wood Handles.

EVERY ONE TESTED AND GUARANTEED. Several imitations on the market, but none as good.

Mfrd. only by **ERIE SPECIALTY CO., Erie, Pa., U.S.A.**



TRADE MARK J REGISTERED

Blacksmiths' Hand Drills.

The very best.

A. B. JARDINE & CO.
HESPELER, ONT.

THE LONDON SCALE WORKS

GEORGE M. FOX
(Successor to John Fox.)

Manufacturer of Railroad, Hay and Platform Scales.

91 York Street, LONDON, ONT.

1,000 PRINTED ENVELOPES

For $1.00

We do good printing cheap—500 Noteheads, 500 Envelopes and 500 Statements for $2.50.

Snaps in Stationery of all kinds.

WEESE & CO., Jobbers,
54 Yonge Street, - Toronto.





G. A. Crosby & Co. of Ontario, LIMITED

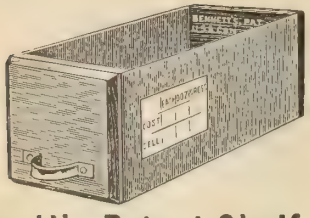
SARNIA, ONT.

Manufacturers of

Patent Automatic Can Making Machinery, Presses, Dies and Special Machinery for Working Sheet Metal.

U-HAVE-A

desire that your store should attract customers, and that customers should be served quickly, because these are necessary to increase your business, then put in



Bennett's Patent Shelf Box.

Write now for prices on Shelf Boxes, Screw Cases, and Sample Holders to

J. S. BENNETT, Patentee and Manufacturer,
15 MARION ST., **TORONTO**

Stove Bricks in Variety.

We don't have to make a kiln and then burn it before filling your order. Prompt shipment is one of our mottoes. We have over 200 varieties of bricks, and all kinds of fire clay products, furnace cement, etc., always in stock. Catalogue upon application.

JONES BROS., Bracondale, P.O., Ont.

Lace Leather

Send direct to us for the celebrated "NIAGARA" Brand Lace Leather, best produced in this country. Yellow and White in Sides or Cut Strings. Prices and Samples on application.

WOOD BROS.
Tanners of High-Class Leathers,
ST. CATHARINES, ONT.

The Frost Wire Fence Company, Limited

WELLAND, ONT.

FACTORIES AT CLEVELAND, OHIO, AND WELLAND, ONT.

MAKERS OF **Frost Fencing, Frost Steel Gates, and Coiled Spring Wire.**

CLOSEST PRICES QUOTED ON APPLICATION.

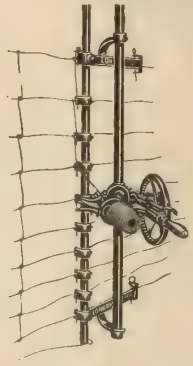
STANYON ENGINEERING CO.

402 McKINNON BUILDING,
Phone Main 2177. **TORONTO**

CONTRACTING AND CONSULTING ENGINEERS.

Steel Works, all kinds of Rolling Mills, Wire Mills, etc., all built complete. Machinery designed for any purpose

GENERAL OFFICES, - - PITTSBURG, Pa.



Now is the time to secure the agency for the

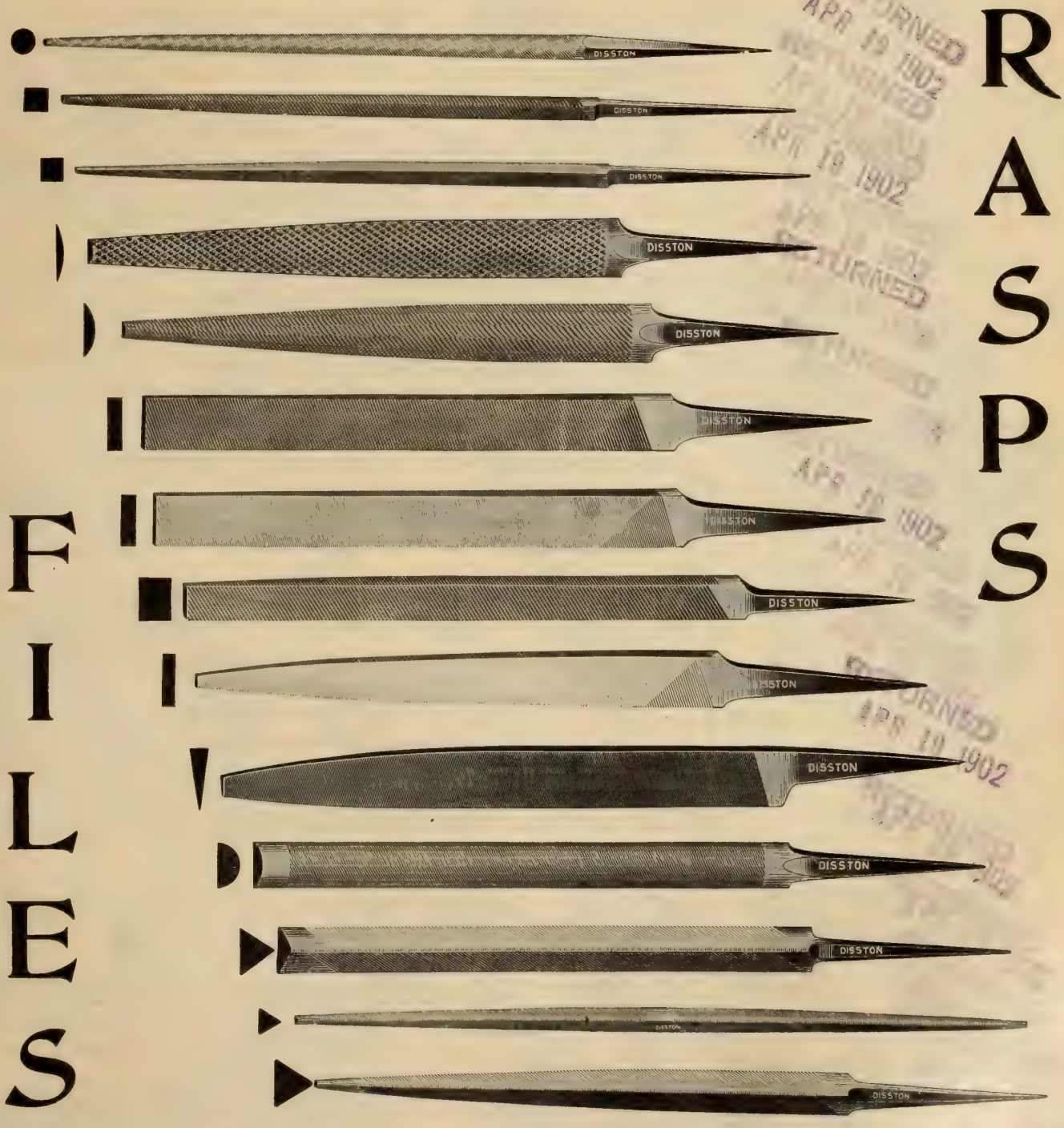
LONDON FENCE MACHINES

We have a number of dealers who are making the LONDON their leader for the Spring. Nothing wins the farmer's favor like the LONDON. If you push it, it will make you money and draw custom. It's a hustler and a dandy. Get our Spring Catalogue and this year's prices. The LONDON leads the world for building fence.

THE LONDON FENCE MACHINE CO., Limited.
LONDON, CANADA.

HENRY **DISSTON** & SONS

PHILADELPHIA, PENN., U.S.A.



We have the shape you want, the size you want, the cut you want.

LEWIS BROS. & CO.

WHOLESALE AGENTS

TORONTO: 87 YORK ST.
OTTAWA: 54 QUEEN ST.

PERFECT EQUIPMENT FOR MAKING QUICK SHIPMENT

MONTREAL.

HENRY ROGERS, SONS & CO.,

SHEFFIELD, ENGLAND

Manufacturers of the celebrated



H R S&C°

TINPLATES
"ROGERS" COKES
"H. R. S. & CO." CHARCOALS
BARB and PLAIN GAL'D WIRE
HOOP IRON, Etc.

Canadian Office:

6 ST. SACRAMENT ST., MONTREAL

F. A. YORK, Manager.

ROBLIN'S PATENT MILKING PAILS.



Latest and Best.

These pails are made of IX old method Tin, with patent locking attachment on covers so milk cannot spill, also furnished with strainer in cover, keeping milk pure.

Manufactured by

E. T. WRIGHT & CO., Hamilton and Montreal.

KNOX HENRY

Heavy Hardware and Metal Broker
Room 32 Canada Life Bldg., MONTREAL.



Samples sent free on application.

HORSE NAILS – "C" Brand Horse – Nails Canada Horse Nail Co.

"BRASSITE" GOODS — Gunn Castor Co. Limited, Birmingham, Eng.

STANDARD TIN WORKS

MANUFACTURERS OF

TINWARE AND TIN CANS

Fruit Cans, Meat Cans,
Jacketed Oil Cans,
Baking Powder Cans,
Lard Pails, Etc.

JAS. A. McGOLPIN
156-162 Duke Street, TORONTO.

KEEPING UP THE ASSORTMENT.



The fellow in the picture is in the employ of one of those merchants who are **wide awake** to the fact that to meet the demands for **ALABASTINE** which come at this season of the year, he must have an assortment of all shades in stock.

CUSTOMERS for ALABASTINE, or anything else for that matter, who have to go elsewhere to get what they want, may be lost altogether. At any rate the opportunity is given the other dealer to explain how people can **always get** everything they call for at **his** store, etc.

ALABASTINE is the goods that are in demand. It has stood the test of time, and people know it is all right. It is made in Canada, by Canadian labor and from rock taken out of Canadian mines. Is your assortment complete?

For sale by Wholesale Hardware and Paint Dealers. Manufactured by

The ALABASTINE COMPANY, Limited, PARIS, ONT.

STEVENS SINGLE BARREL SHOT GUN.

LATEST AND BEST SINGLE GUN ON THE MARKET.



MADE IN THREE STYLES THREE GAUGES UP-TO-DATE.

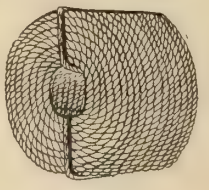
FINEST SINGLE GUN YET PRODUCED.

Our Goods are Handled by the Leading Jobbers.

J. Stevens Arms & Tool Co., P.O. Box 217 Chicopee Falls, Mass., U.S.A.

THE INDEPENDENT CORDAGE CO., Limited,

TORONTO.



Highest Award Pan-American Exposition.

MANUFACTURERS OF ALL KINDS OF

SISAL MANILA **ROPE,** Lath Yarn, Shingle Yarn, Hide Cord, Pulp Cord, Clothes Lines **BINDER TWINE**

Transmission Rope a Specialty.

H. & R. SINGLE GUN AUTOMATIC AND NON-EJECTING.

12 and 16 Gauges.
Steel and Twist Barrels.

Superior in Design, Workmanship and Finish, and the most popular Gun on the Market.

Simplest "Take Down" Gun Made.



HARRINGTON & RICHARDSON ARMS CO.
Also makers of H. & R. Revolvers,
Catalog on request. Worcester, Mass., U.S.A.

WINDOW GLASS—TO IMPORT.

Prompt Deliveries

EVERY KIND OF PLATE AND WINDOW GLASS IN STOCK.

BENT GLASS of all kinds, our own manufacture. **Closest Prices.**

TORONTO PLATE GLASS IMPORTING CO.,

Hill & Rutherford

Warerooms and Offices—135 to 143 Victoria St.
Bending Works—209 to 213 Victoria St.

TORONTO

Use Syracuse Babbitt Metal

IT IS THE BEST MADE.



For Paper and Pulp Mills, Saw and Wood Working Machinery, Cotton and Silk Mills, Dynamos, Marine Engines, and all kinds of Machinery Bearings.

Wire, Triangular and Bar Solder, Pig Tin, Lead, Ingot Copper, Ingot Brass, Antimony, Aluminum, Bismuth, Zinc Spelter, Phosphor Tin, Phosphor Bronze, Nickle, etc., always in stock.

CANADIAN WORKS, MONTREAL, P.Q.
AMERICAN " SYRACUSE, N.Y.

Syracuse Smelting Works



Steel Frame Churn.

DAVID MAXWELL & SONS

ST. MARYS, ONT., CANADA.

"Maxwell Favorite Churn"

PATENTED FEATURES: Improved Steel Stand, Roller Bearings, and Foot and Hand Lever Drive, and Detachable Driving Link. Improved for season of 1902. Steel or Wood Frame as desired.

Lawn Mowers. High and Low Wheels. from 12-in. to 20-in. widths. Cold Rolled Steel Shafting, Crucible Steel Knives and Cutting Plate.

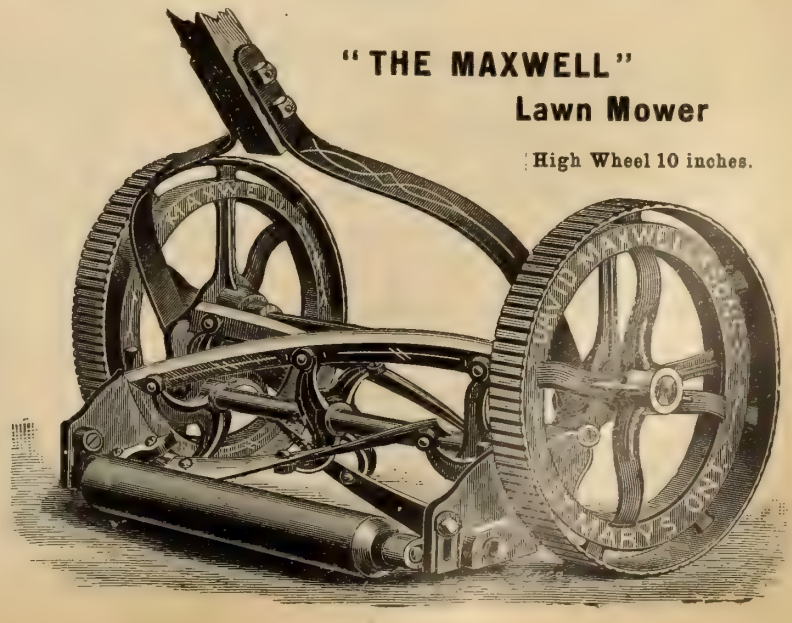
Wheelbarrows. In Four different Sizes.

If your Wholesale House does not offer you these articles

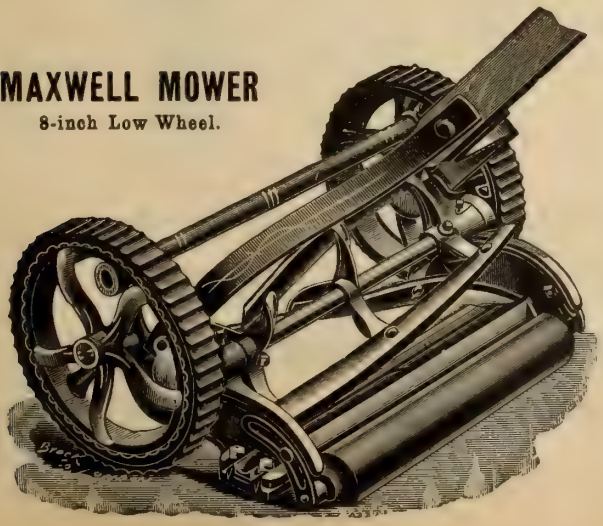
SEND DIRECT TO US.

"THE MAXWELL"
Lawn Mower

High Wheel 10 inches.



MAXWELL MOWER
8-inch Low Wheel.



Our

IMPERIAL OXFORD

Represents the very highest development attained in range construction.

Its patented improved features give it precedence over all others—and the improvements need only to be seen to be appreciated.

ITS FRONT DRAW-OUT GRATE
DIFFUSIVE FLUE CONSTRUCTION
OVEN THERMOMETER
DRAW-OUT OVEN RACK

and handsome appearance are "talking points" that sell it everywhere. They are leading favorites all over Canada.

Are you handling them?

If not, write for our catalogue and price list at once.



THE GURNEY FOUNDRY CO., Limited

TORONTO. WINNIPEG. VANCOUVER.

THE GURNEY-MASSEY CO., LIMITED, MONTREAL.



Australasian Hardware and Machinery.

The Organ of the Hardware, Machinery and Kindred trades of the Antipodes.

SUBSCRIPTION $1.25 PER ANNUM,

post free to any part of the world.

PUBLISHING OFFICES:
Melbourne - Fink's Buildings.
Sydney, - - - Post Office Chambers.
AMERICAN OFFICES:
New York, - Park Row Building.
BRITISH OFFICES:
London, - - - 42 Cannon St., E.C.

Specimen Copies on application.

CANADA FOUNDRY COMPANY.
LIMITED.

MACHINE SCREW DEPARTMENT

HEAD OFFICE: TORONTO, ONT.

DISTRICT OFFICES:

MONTREAL, VANCOUVER,
HALIFAX, OTTAWA,
WINNIPEG, ROSSLAND, B.C.

Square and Hexagon.



Finished, Semi-Finished.

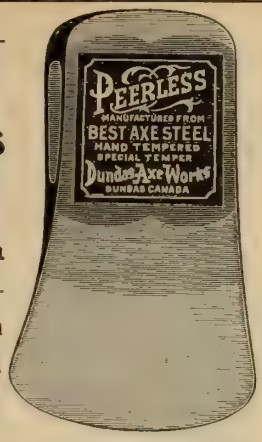
Cold Pressed Nuts, Machine Screws, Studs, Coupling Bolts, Special Milled Work, etc.

SEND FOR PRICE LIST NO. 1001

It is the quality of our

Peerless Axe . .

that causes a growing demand for it in Single and Double Bit.



Dundas Axe Works, Dundas, Ont.
W. L. Haldimand, Jr., Montreal Agent.

WIRE ROPE

Wire Rope. OF

GREENING

All Kinds and Sizes
AND FOR
All Purposes.

PRICES RIGHT. PROMPT SHIPMENTS.

The B. GREENING WIRE CO., Limited

Hamilton, Ont. - Montreal, Que.

ESTABLISHED 1882

G. F. STEPHENS & CO.

INCORPORATED 1901

Manufacturers, Importers and Jobbers LIMITED

PAINTS, OILS, VARNISHES, BRUSHES, ETC.,

PLATE AND WINDOW GLASS

AND ALL PAINTERS' AND GLAZIERS' REQUISITES.
We carry the largest stock of these goods in Western Canada.

PROMPT SHIPMENT. CAREFUL ATTENTION. CLOSE PRICES.

174-176 Market Street WINNIPEG.



We Stand Between

you and your customer, should ever any dispute come up as to the quality of **Standard Silverware,** for we give an absolute guarantee that if you find any imperfect goods bearing our brand you may return them at once.

You Stand Between

us and your customer in only one respect. That is your profits. By buying direct from the manufacturer you get all the "between" profits there are, and you can afford to give your customer a share of this and still have enough for yourself.

Write us for Catalogue and Price List and be convinced.

EVERY-THING IN SILVER PLATED WARE.

STANDARD SILVER CO., Limited

31 to 43 Hayter St., TORONTO.

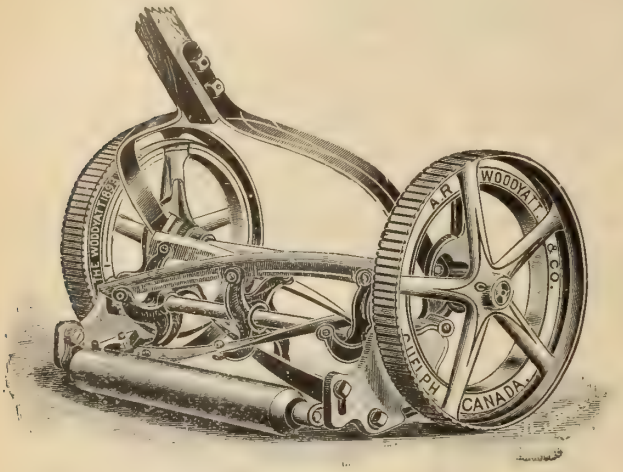
LAWN MOWERS

The best made are the

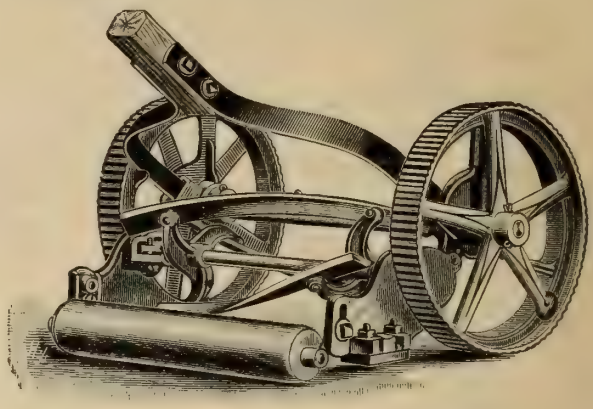
"Woodyatt" and "Star."

Our high-grade wheels are known in every land, and are meeting with the entire approval of all users.

If your wholesale dealer cannot supply, write us, giving full particulars, and we will then send you prices.



The "Woodyatt" Mower.



The "Star" Mower.

A. R. Woodyatt & Company, Guelph, Canada.

Largest Hardware Manufacturers in Canada.

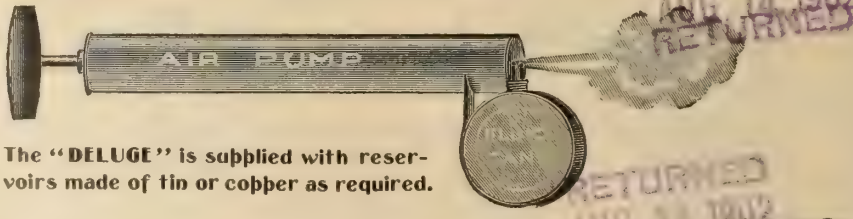
KEMP'S SPRAYERS

ARE IN GREAT DEMAND.

Unexcelled for spraying Bushes, Plants, Vines, Horses, Cattle, Interior of Henneries, etc.

Made in 2 Styles:

They throw a large spray, thus covering a large surface area.



The "DELUGE" is supplied with reservoirs made of tin or copper as required.



The "HANDY," as the name indicates, is the handiest sprayer made.

The valves are made strong and durable.

Manufactured by . . . **KEMP MANUFACTURING CO., TORONTO**

HARDWARE AND METAL

VOL. XIV. MONTREAL AND TORONTO, APRIL 19, 1902. NO. 16.

President:
JOHN BAYNE MacLEAN,
Montreal.

The MacLean Publishing Co.
Limited

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P.E. Island and Newfoundland.

OFFICES.

MONTREAL - - - 232 McGill Street. Telephone 1255.
TORONTO - - - 10 Front Street East. Telephone 2701 and 2702.
LONDON, ENG. - - 109 Fleet Street, E.C. W. H. Miln.
MANCHESTER, ENG. - - 18 St. Ann Street. H S. Ashburner.
WINNIPEG - - - Western Canada Block. J. J. Roberts.
VANCOUVER, B.C. - - - Flack Block. J. A. Macdonald.
ST. JOHN, N.B. - - No. 3 Market Wharf. J. Hunter White.
NEW YORK - Room 442 New York Life Bldg.

Subscription, Canada and United States, $2.00.
Great Britain and elsewhere - - 12s.

Published every Saturday.

Cable Address { Adscript, London. / Adscript, Canada.

WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

ADVANCE IN BUILDERS' HARDWARE.

AN advance of 10 per cent. is announced this week by the Canadian manufacturers in locks, knobs (except porcelain, mineral and jet), escutcheons, inside, front and store door sets, and all lines of builders' hardware. The new discount is 40 per cent.

Canadian porcelain, mineral and jet knobs, which have been sold at different prices during the last couple of months, owing to United States competition, are now held, as a rule, by the jobbing trade at 95c. per doz. in case lots and $1 per doz. in less quantities. It appears that the United States competition has been withdrawn.

While the Canadian manufacturers have advanced their prices 10 per cent., an appreciation of double that percentage has taken place in builders' hardware in the United States.

On Friday, importers in Canada received notices from a number of the leading manufacturers in the United States that they had advanced their prices 20 per cent. Such a sharp advance was altogether unlooked for, and even the representatives of the United States manufacturers who were here at the time appear to have been as much taken by surprise as our own importers.

It is claimed that raw material has appreciated 25 to 40 per cent. during the last 10 or 12 months.

Canadian importers have not yet received lists of the new prices from the manufacturers in the United States, but it is understood that some of them are marking their figures up the full 20 per cent.

WOOD STOVES ADVANCE 5 P. C.

Wood stoves and wood ranges have been advanced 5 per cent. in price. The change went into effect on Saturday last, and with the concurrence of nearly all the manufacturers.

Wages as well as raw material have recently advanced, and the decision of the manufacturers to put up their prices was based on this.

No change was made in coal stoves and ranges, but we understand that an advance is probable in this line as well.

KNOW THE GOODS YOU SELL.

IT is a good thing when a merchant can speak with authority in regard to the quality of the goods he has in stock. His customers will look upon him as a man who knows his business and whose word can be relied upon.

It follows, therefore, that the merchant, in order that he can speak with authority, must himself have knowledge of the goods he buys.

Frequently one house will offer at a much lower price an article which is held to be just as good as that offered by a competitor. It is possible that it may be just as good; but in these days of keen competition the chances of this being true are more often to the contrary than otherwise. But, granted that all asserted be true, the merchant should take every means to satisfy himself upon this particular point before he purchases.

He cannot afford to run any risks. A customer, when offered a new line of goods, usually questions the merchant in regard to quality. If the quality subsequently turns out to be inferior to the recommendation, the merchant's reputation is sure to suffer. And, if a merchant's reputation is injured, the keystone in the arch of his business career is impaired.

There are merchants in some lines of trade who make it a practice of putting to their own use new goods that come upon the market before they offer them to their customers. And where it can be practised it is certainly a safeguard.

The glue combination in the United States is sticking together.

CANADA AND THE NEW BRITISH DUTIES.

THE new British Customs tariff naturally excites a great deal of interest. This interest is of a two-fold character. The one connects itself with the duties themselves; the other with the departure from an economic principle to which a great many people thought Great Britain eternally wedded. The new duties, therefore, have a particular interest both to the business man and to the politician.

In Canada our chief interest is, of course, centred around the duties on grain, flour and meal. These duties are 3d. per hundredweight on grain and 5d. per hundredweight on flour and meal. A later cable says the 3d. tax falls on the following:

All cereals, including maize, buckwheat, peas, dholl beans, haricot beans, locust beans, lentils and rice.

And the 5d. tax falls on the following:

All the flours and meals from the above-mentioned products, as well as macaroni, vermicelli, starch, farina, arrowroot, mandioca flour, semolina, cassava powder, mancacroup, potato flour, tapioca, sago, sago meal, rice meal and rice dust, shredded wheat, and preparations containing any of the foregoing products.

It will be noticed therefore that the effects of the new tariff will be far reaching, like that of the sugar tariff brought down a year ago.

Of the cereals which are affected by the new duties Canada produces about 285,000,000 bushels. These figures are based chiefly upon official reports to which we have access, and what actual figures are wanting we have supplied by a moderate estimate. The total is made up as follows:

GRAINS PRODUCED IN CANADA.

	Bushels.
Wheat	90,000,000
Barley	25,000,000
Oats	127,000,000
Peas	11,000,000
Rye	2,500,000
Buckwheat	3,500,000
Corn	25,000,000
Beans	1,000,000
Total bushels	285,000,000

In view of these figures and the fact that Great Britain is our best foreign customer, we as Canadians can scarcely fail to be concerned in the advent of the new duties.

The total exports in 1901 to all countries of grain and its products were valued at $19,000,000, and of this 78 per cent. went to Great Britain. This will be seen from a glance at the following table:

GRAIN AND ITS PRODUCTS EXPORTED IN 1901.

	Exported to G. B.	Exported to all countries.
Barley	$ 947,964	$1,123,055
Beans	11,049	418,161
Buckwheat	93,798	227,717
Oats	1,996,298	2,490,521
Peas, whole	1,991,247	2,482,249
" split	70,824	192,463
Rye	327,472	424,877
Wheat	6,112,230	6,871,939
Bran	63,499	242,245
Flour (wheat)	2,702,132	4,015,226
Oatmeal	453,326	467,807
Rice Meal	19,140	19,201
Meal, all other	25,021	31,086
Starch	24,102	24,286
Total	$14,838,102	$19,010,933

Taking into account that which goes in the shape of flour, our exports of wheat to Great Britain last year were a little over 12,000,000 bushels.

The duty of 3d. per 112 lb. on wheat is equal to a little over 3c. per bushel. At this rate it is not likely to materially affect our export trade in wheat. We cannot, however, speak with the same confidence in regard to flour; and, in fact, in regard to meal as well. It takes 270 lb. of wheat to produce a barrel of flour, and the duty on this at 3d. per cwt. is equal to about 16.20c., while the duty on a barrel of flour is equal to 19.60c. This, it will be readily seen, gives the British miller a preference of about 3½c. per barrel. This, while small, is sufficient to endanger the Canadian export trade in flour with Great Britain, for exporters often work on a smaller margin of profit than 3½c. per barrel. So small is the margin of profit that it would not pay Canadian millers, as a rule, to run their mills wholly on export trade account. What they export is the surplus over and above the requirements of the home market.

There are some who speak of the new duties as a restoration of the old Corn Laws. This is scarcely accurate. The Act abolishing the Corn Law was, it will be remembered, passed in 1846. The Repeal Act provided that the duties on wheat were to cease in 1849, and that, in the meantime, the duties to be levied on wheat were reduced to 10s. per quarter, when the market price was 48s. per quarter. At every rise of 1s. per quarter in the market price the duty was to be 1s. per quarter lower, until wheat should be at 54s. and the duty at 4s., after which the duty was not to further change. When the Corn Laws finally disappeared, a registration fee of 1s. was retained. This, in turn, was wiped out 20 years later, when, in 1869, Mr. Lowe declared the last vestige of protection had been removed. The present duty of 3d. per cwt. is equal to about 1s. 1d. per quarter.

AN ANALYSIS OF FAILURES.

IN last week's issue we gave briefly a synopsis of the commercial failures in Canada during the first three months of the year. We are now able to give an analysis of these failures as prepared by R. G. Dun & Co., showing the number in the different branches of trade and the liabilities of each:

	1902 No.	1902 Liabilities.	1901 No.	1901 Liabilities.	1900 No.	1900 Liabilities.
Iron	...	.....	...	.....	...	.....
Tools	1	$ 1,500	5	$ 11,600	5	$ 7,650
Wool	..	.....	1	5,000	2	3,397
Cotton	..	.....	..	.....	...	.....
Wood	2	7,500	5	40,500	8	11 947
Clothing	12	286,150	16	23,843	16	154,656
Hats	...	.....	...	.....	1	4,500
Chemicals	..	.....	2	38 000	..	.....
Printing	3	18,988	4	12,900	.	.....
Milling	7	25,200	3	31,372	6	12,580
Leather	1	1,000	7	191,760	8	81,773
Liquors	...	.....	...	.....	...	.....
Earthenware	1	3,300	...	.....	...	.....
Miscellaneous	22	428,843	30	333,254	32	261,555
Manufact'r'g	49	$.72,476	73	$718,229	78	$538,058
General stores	93	$662,967	86	$433,530	84	$476,257
Grocers	64	200,227	54	427,680	54	167,755
Hotels	16	48,212	21	54,699	19	28,697
Liquors	9	411,650	9	28,100	7	84,7?3
Clothing	28	202,348	32	124,148	24	200,593
Dry Goods	26	436,471	45	680,888	46	696 465
Shoes	20	77,480	21	111,452	21	94,326
Furniture	7	82,110	9	240,779	8	33,550
Stoves	9	59,918	12	57,710	7	38,111
Drugs	2	6,700	8	50,464	7	54,468
Jewellery	7	40,500	7	47,650	9	152,671
Books	2	13,100	5	27,216	4	56,115
Caps	1	20,283	1	800	4	8,654
Miscellaneous	24	235,113	35	218,107	24	84,858
Trading	303	$2,497,079	345	$2,503,023	318	$2,177,503
Transporters, etc	6	170,437	6	112,470	10	38,480
Total	363	$3,439,992	424	$3,333,722	406	$2,754,041

It will be noticed that while the total number of failures is less than during the same period last year the liabilities were larger. The increase in the failures among manufacturing firms was more than accounted for by the failures in one branch, namely, clothing, which in turn can be accounted for by the insolvency of one well-known concern.

The increase in the number of failures of general merchants and grocers cannot with certainty be accounted for. As the total increase in the failures of all kinds was largely confied to Ontario it is possible the increase in the general and grocery trades is a reflex of the short grain crops in that Province last year.

The condition of the trade in iron, tools, and leather is satisfactorily reflected in the above record.

U.S. MANUFACTURERS AND PROTECTION.

SIGNS of doubt and hints of heresy, on the subject of protection, have long been multiplying among its supposed beneficiaries in the United States, but few declarations in favor of a modified confession of protectionist faith have been more frank and decided than those lately made public in a number of letters from manufacturers to the editor of The American Machinist. They embody the views of some 58 leading makers of machine tools, and may be taken as the fruit of the business experience of men employing over 21,000 artisans, and with more than $35,000,000 of invested capital. Of the 58 who were willing that their views should be put into print, no less than 38 endorsed, without qualification, the opinion as to the necessity of reciprocity treaties laid down by the late President McKinley in his last speech at Buffalo ; seven approved it with some qualification, and none disagreed. Thirty-four openly acknowledged that on their own products they need no protective tariff, while only two asserted that there is still such a need. On the question whether to modify or do away with the present tariff on machine tools, there were 42 for and but three against a change. Thirty-eight expressed the belief that the tariff now in force restricts the foreign trade of the United States in machinery.

Hardly less revolutionary are the reasons assigned by the manufacturers for their present belief. Conditions, they make bold to pretend have changed. "We have largely outgrown the need of protection," says one ; "it is already beginning to hamper and injure our industries by retarding the growth of our foreign trade." Another adds : "We are out of our infancy as a manufacturing country, and have very few industries that cannot stand alone. What we want is markets, not protection." Protection is but "a course of training for that industrial and financial battle for the world's supremacy, which it is our determination to win." Says one letter : "The alarm about the tariff is an inheritance which became rooted at a time when conditions were almost directly the reverse of what they are to-day." Labor is no gainer from protection, believes a Philadelphia manufacturer of gear wheels. "Tariff can protect only investors of capital. Labor cannot profit by it, for it tends to increase wages only in the measure in which it tends to increase prices." So the comments run. Gentle or harsh, the criticisms passed on existing laws are manifestly not the result of any idle web-spinning, but rather the product of long and often costly experience in broad commercial fields.

The deduction for Canadians from these views is that, with protection to nurse infant industries that use our own raw material, they can, by the time they have attained the strength of manhood, not only hold their ground against all comers, but cross our borders or go over the seas, and contend with them for the markets of the world.

IRON AND STEEL AMALGAMATION.

THE Dominion Coal Co. has been leased to The Dominion Iron and Steel Co. for the consideration of the payment of 8 per cent. dividend to the shareholders of the former company, the retirement of its preferred stock and bonds, and substituting common stock to the amount of $5,000,000, making a total of $20,000,000. The Iron and Steel Co. will add $5,000,000 to its common capital stock, bringing it also up to $20,000,000. The $5,000,000 stock will be issued at 60. This agreement was arrived at on Monday, April 14, the directors of both companies being present.

The Steel Company had a lease to acquire The Coal Company on a basis of 6 per cent. on the common stock and for other considerations, but since the option was granted The Coal Company has developed so remarkably that it was thought that it would not be fair to it to enforce the option on those terms. The terms of the old option were as follows :

1. The Steel Co. agreed to pay the fixed charges of the Coal Co., that is, the interest on its 6 per cent. bonds, the dividend on its 8 per cent. preferred stock, and the sinking fund of 5c. per ton on the entire output to provide for the redemption of the bonds and preferred stock.

2. A 6 per cent. dividend on the common stock.

3. An allowance of $25,000 a year for the Coal Co.'s expenses, the latter company having to maintain a staff to look after its property, and for accountancy work, etc., etc.

4. The Steel Co. to pay to the Coal Co. $600,000 in cash as a forfeit for the due carrying out of the terms of the lease.

5. The Steel Co. to pay the Coal Co. a royalty of 15c. per ton on every ton of coal taken out of the property in excess of 3,500,000 tons in any one year.

6. The Steel Co. to assume and pay all the debts and liabilities of the Coal Co., less the value of certain cash assets, which the Coal Co. was to retain. The obligation of the Steel Co. in this respect involved an immediate payment of about $2,000,000.

7. The property to be leased did not include all the properties of the Coal Co., certain valuable properties, including shops and the entire mercantile business of the Coal Co., being excepted.

In deciding what changes to make in the option, consideration was taken of these facts :

1. The Coal Co. had earned during the past two or three years $1,530,000 in excess of all its fixed charges, but none of this had been distributed amongst its common stockholders by way of dividend, and it was admitted by all concerned that the stockholders were entitled to this surplus in the event of the option being exercised by the Steel Co.

2. The ability of the Steel Co. to raise the $600,000 and the other sums required to discharge the debts and obligations of the Coal Co., which, as above mentioned, would amount to about $2,000,000 more.

3. The disruption of the business now carried on by the Coal Co., if but part of its properties and assets were taken over, leaving still in the hands of the Coal Co. valuable assets, including its mercantile business.

As a result, the agreement decided upon embodied the following terms :

1. The present agreement to be modified so as to make it include all the properties and assets of the Coal Co., including the $1,530,000 surplus earnings above referred to.

2. The Coal Co. to pay off its bonds and preferred stock by the issue of $5,000,000 common stock at 120 to its common shareholders, thereby increasing its total capital to $20,000,000.

3. The Steel Co. to be relieved from the obligation to provide the $600,000 forfeit money, and to pay the Coal Co. a rental equal to 8 per cent. on its $20,000,000 capital stock.

Mr. H. M. Whitney will retire from the presidency of The Iron and Steel Company at the annual meeting, although he will still remain a director, and in all probability Mr. James Ross will be made president of both the coal and steel companies.

It is expected that the combining of the two companies will result in a great saving of money. For one thing, the two lines of steamships will not be necessary, and in this regard alone the saving will be very great.

It is understood that the agreement was eminently satisfactory to both parties.

A TRAVELLER DISAPPEARS.

Mr. J. B. McDonnough, one of the travellers of Henderson & Potts, paint manufacturers, etc., Montreal, disappeared some six weeks ago, and no trace of him has as yet been discovered. Mr. McDonnough had been going through the eastern part of Ontario, and after visiting Brockville and Kingston, returned to Prescott. He left the hotel he was stopping at about 6.30 in the morning and did not return. He was noticed to act strangely while stopping at the hotel in Prescott, and before he left Montreal, he was in such a despondent mood that friends advised him not to go away. There have been some reasons for thinking that he has been drowned in the St. Lawrence river, somewhere near Prescott.

It is stated by his wife that about two years ago he disappeared for a couple of weeks, and was found in a condition of nervous prostration in a country hotel, so that hopes are still entertained for his return.

Mr. McDonnough is a member of the Dominion Commercial Travellers' Association, and is well known by the hardware trade in Montreal and elsewhere.

EARLY CLOSING IN MONTREAL.

The retail clerks of Montreal, who have inaugurated a movement to bring about early closing of stores during the summer months, will have the co-operation of the hardware clerks of that city. A committee has been appointed by the hardware clerks which will interview the various merchants in that trade on the subject, and report at a general meeting to be held shortly. Representatives of other lines of the retail trade have signified a willingness to allow early closing if at all possible, and the hardware merchants would have no good reason in staying out. It is altogether probable that if the clerks make a strong attempt to obtain this concession, and do not go about it in a half-hearted way, as was the case in other trades last year, that they will easily gain their ends.

THE TRAPPING OF WOLVES.

DURING the past two years wolves have multiplied very rapidly in all the Western States and Canada. Cattlemen have suffered so severely from their depredations that concerted action has been taken against them. As a result generous bounties are now offered in all the infested regions and an active campaign begun.

Old hunters say that trapping is the most trustworthy way to kill wolves. The remarkable sagacity of the animal makes even trapping a tax on the shrewdness and ingenuity of the trapper. The first thing necessary is to kill the odor of the iron, which is done by smoking the traps with cedar, by rubbing them with beeswax, or by dipping them in blood. Wolf lures, such as asafoetida, aniseed oil or oil of petroleum, are condemned, as their only effect is to make the animals suspicious.

The trapper begins by tying to a wagon a large piece of beef, venison or antelope, which is dragged over the country where the traps are to be set. Wolves like to run in cow trails, and a spot where a number of trails cross is a good place to set traps. Some hunters put their traps where the wolves can walk into them, while others lure the wolves by baits. Traps should not be set in deeply worn parts of the path, as wolves travel on the higher parts. The necessary equipment for setting traps is, in addition to shovels, a couple of large blankets or sheets, a bucket of fresh blood, two or three rabbits, a beef liver, a pound of cotton wool and the paw of a wolf or coyote. An old trapper describes the actual setting of the traps as follows:

As soon as the drag has passed over the chosen spot, the first thing the trappers must do is to dip their boots and implements in the blood, then spread the blankets on the ground and proceed to put on these, first, the sod, which is to be carefully removed, and afterwards the loose earth as it is being dug out of the holes that are to hide the logs to which the traps are fastened. When the holes are ready bury the logs and chains with great care, replacing the sod and leaving no loose soil visible and no trace whatever of any disturbance of the earth. Then, in the trail, dig the shallow holes that are to receive the traps, and be sure they are just deep enough to be level with the trail, when there is a quarter of an inch of dirt put over the pan. As soon as each trap is set in place, lift the loose jaw until it is perpendicular, and insert under the pan a piece of cotton wool large enough to prevent any dust or sand falling beneath it, as this would entirely hinder the springing of the trap. In handling the trap and earth that covers it wear a pair of gloves dipped in blood. When all the traps are properly concealed and the surplus earth on the blanket has been carried 20 or 30 yards away, take one of the rabbits and use it as a brush to remove all traces of your feet or tools. Then scatter pieces of meat or rabbit over the traps. It is a good plan also to use the foot of a wolf or coyote to make a series of tracks over the traps, and finally, when all this is done, to dip the tail of a beef in the blood and sprinkle the place. A setting of traps every two miles is considered enough, but the thicker the better.

The dust over the pan should be a little more even than elsewhere, as wolves like to tread on a smooth place. A piece of white cotton or a tuft of white feathers properly placed often adds a good finish to the setting as a wolf, attracted by the general scent of blood, will at once see and minutely examine the white object. Dark, stormy, cold nights are the best for the wolf-trapper.

A book on "How to Catch Wolves," by Ernest Seton-Thompson, will be sent free on application to The Oneida Community, Limited, Niagara Falls, Ont.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

MOHR & RYAN, lumber and general merchants, Killaloe Station, Ont., have effected a compromise.

Thomas Battye, lumber merchant, Pictou, N.S., has assigned.

P. Langlois, general merchant, St. Gregoire, Que., has assigned.

O. P. Fraser, lumber merchant, Liscomb, N.S., has assigned.

C. Collette, general merchant, St. Antoine, Que., has assigned to Lamarche & Benoit.

The creditors of John Kerr, coal merchant, Brantford, held a meeting on April 18.

Rochon & Son, general merchants, Copper Cliff, Ont., have assigned to A. B. Simard.

James Hamilton, hardware merchant, Woodstock, Ont., has assigned to Edward W. Nesbitt.

F. C. Dunning, general merchant, Allan's Corners, Que., is offering 20c. on the dollar cash.

Joseph Bergeron, general merchant, Ste. Anne du Saults, Que., has assigned to Lamarche & Benoit.

D. McNaughton, general merchant, Stobie Mine, Ont., has called a meeting of creditors for Tuesday, April 22.

Laurent & Lamoureux, painters, Montreal, have assigned to Marcotte & Marcotte, and their assets have been sold.

The assignment of Wm. Adair & Co., general merchants, Parry Sound, Ont., has been transferred to R. Osler Wade, Toronto.

Code & McKerchar, general merchants, Neapolis, N.W.T., have assigned to J. de Sousa, Calgary, and their creditors met on April 18.

PARTNERSHIPS FORMED AND DISSOLVED.

Cucksey & Pritchard, builders, Chatham, Ont., have dissolved partnership.

Herbert & Patenaude, general merchants, St. Valeatin, Que., have dissolved.

J. A. McDonald, blacksmith, Moose Jaw, N.W.T., has admitted W. A. Foy into partnership.

Caster & Pruner, general merchants, Aurora, Ont., have dissolved; Thomas Caster continues.

Robert Donaldson & Sons, machinists, Montreal, have dissolved, and a new partnership has been registered.

Murray & McGougan, general merchants, Kensington, P.E.I., have dissolved partnership; Donald McKenzie continues.

SALES MADE AND PENDING.

The Metagama Lumber Co., Limited, Orillia, Ont., has sold out.

W. Millburn, general merchant, Swift Current, N.W.T., has sold out.

T. Cooper, harnessmaker, Drayton, Ont. is advertising his business for sale.

The assets of Magnan Freres, hardware merchants, Montreal, have been sold.

The assets of Gilbert Labonte, department store, Montreal, have been sold.

Albert Dawson, blacksmith, Port Lambton, Ont., is offering his business for sale.

The stock of A. Sauterre, general merchant, Cedar Hill, Que., has been sold at 65c. on the dollar.

The stock of F. X. Roy, general merchant, St. Philippe de Nery, Que., has been sold at 65¼c. on the dollar.

W. Doherty & Son, painters and wall paper manufacturers, Toronto, are advertising that they are retiring from business and offering their stock for sale by auction on April 21.

CHANGES.

The McLaughlin Carriage Co., Limited, have registered at Montreal.

Daniel McMinn, blacksmith, Orillia, Ont., has sold out to T. Wren.

M. D. Cosman, tinsmith, Canning, N.S., has sold out to A. F. Parsons.

The Northwest Hide Co., Winnipeg, is succeeded by Telke & Finklestein.

H. B. Moat, harnessmaker, Snowflake, Man., has sold out to C. W. Dawdy.

E. Jobin & Co., importers and general merchants, Montreal, have registered.

H. E. Moddock, general merchant, Newmarket, Ont., has sold out to Hunter Bros.

The assets of O. Rajotte, general merchant, Shawenegan Falls, Que., are for sale.

Patenaude & Langlois, general merchants, St. Valentin, Que., have registered.

S. & J. Hopper, hardware merchants, Arcola, N.W.T., are succeeded by J. G. Hopper.

Lavigne & Co., general merchants, Beaumont, Que., have sold out to Chas. Morneau.

McGratton & Co., stoves and tinware merchants, Uxbridge, Ont., have sold out to John Small.

W. H. Payne, agricultural implement agent, Milestone, N.W.T., is succeeded by Glenn Bros.

Murphy, Brown & Co., hardware merchants, Carberry, Man., are succeeded by Brown & Armstrong.

WIRE NAILS
TACKS
WIRE

Prompt Shipment.

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

Schurman, Lefurgey, Clark & Co., Limited, contractors, Sydney, C.B., are retiring from the retail lumber branch.

Levi Hauck, grain merchant, Oil Springs, Man., is succeeded by J. L. McRae & Son; he is removing to Dresden.

The Turnbull & Russell Co., manufacturers of elevators, Toronto, are succeeded by The Turnbull Elevator Manufacturing Co.

The corporate name of The Hahn Brass Co. of New Hamburg, Limited, New Hamburg, Ont., has been changed to The Hahn Brass Co., Limited.

FIRES.

The sawmill of H. Elderkin & Co., general merchants, Port Grenville, N.S., has been burned.

W. F. Dibblee & Son, wholesale hardware merchants, Woodstock, N.B., were burned out; the insurance was $15,000.

DEATHS.

Wm. Craig, sawmill proprietor, Dunchurch, Ont., is dead.

R. Smeall, wood and coal merchant, Montreal, is dead.

A GROWING SILVER INDUSTRY.

THE annual meeting of The Toronto Silver Plate Co., Limited, was held on Friday, April 11, at 12 o'clock (noon), Mr. W. H. Beatty, president, in the chair. The report submitted to the shareholders was one of the most satisfactory reports in the history of the business, and the usual dividend was declared.

There was no change in the personnel of the directorate, which is as follows:—W. H. Beatty, Geo. Gooderham, W. H. Partridge, James Webster, A. L. Gooderham, H. W. Beatty, Wm. Thomson, Frank Turner, E. G. Gooderham.

At a subsequent meeting of the board Mr. W. H. Beatty was reelected president, and Mr. H. W. Beatty was elected as vice-president. The change as to the vice presidency was on account of the continued illness of Mr. Alfred Gooderham.

The Toronto Silver Plate Co., Limited, are probably, for their size, one of the most progressive and aggressive silverware companies. They not only do probably the largest silverware trade in Canada, but thoroughly cover the Australian market by a direct representative. They also have a showroom at 23 Thavies Inn, Holborn Circus, London, Eng., and are now drumming up the South-African market.

They recently have gone into the manufacture of German silver on a much larger scale, having created a separate department for same. This was necessitated by the recent large hotel orders they received for silverware for hotel purposes manufactured of this base metal. They were the successful tenderers for about two-thirds of the order for silverware for The King Edward Hotel Co., Toronto, and have important orders also in hand for the Grand Trunk Railway Company and the Canadian Pacific Railway Company. The silverware for the new steamer Montreal, of The Richelieu & Ontario Navigation Company, they are also making.

In connection with The King Edward Hotel Co.'s order, competition was extremely keen, and it must be most gratifying to have secured such a large share of the order in the face of competition with Elkington & Co., England; The Gorham Manufacturing Co., International Silver Co., Reed & Barton, The Barbour Silver Plate Co., etc., of the States.

Determination

to win, no matter how strong the opposition; no matter how insurmountable the obstacles may seem, is one of the underlying principles of the success of

THE SHERWIN-WILLIAMS PAINTS

It's that determination that finds a ready sale for the goods. It's that determination that makes ***The Sherwin-Williams Paints*** the most profitable paints for the dealer to handle.

But back of it there is the strongest and most systematic selling organization in the paint world—one of the strongest and best in the entire business world. Everything moves like clockwork. There is no chance for failures. The minutest details receive the most careful attention. We never let up helping our agents. We never let up advertising for them. We are always trying to help them get more business. There's satisfaction and profit in being with such a house. There's the best and largest business in your town in it for you.

If you would like to know more about our goods and our methods, write asking for the B-13 Booklet.



THE SHERWIN-WILLIAMS CO.

PAINT AND VARNISH MAKERS.

CHICAGO, NEW YORK, NEWARK, MONTREAL, CLEVELAND, BOSTON, TORONTO, SAN FRANCISCO. KANSAS CITY.



ATLANTIC STANDARD TIME.

AT last it seems the Provinces of New Brunswick and Nova Scotia are within measurable distance of securing the adoption of a uniform time standard. The use of Eastern Standard time by railways is about to be abandoned and Atlantic or Halifax time substituted therefor. The new C. P. R. time table employs the latter, and the Minister of Railways states that a similar change for the Intercolonial is under consideration. The use of Eastern Standard has been a source of great annoyance to the travelling public. Its employment in the first instance was warranted only by the assumption that it would come into general use. Now that its failure to do so is evident, the railways do well to adopt a more rational and correct system. Atlantic Standard time has long been uniformly used throughout the entire Province of Nova Scotia, and at the recent session, the New Brunswick Legislature introduced a Bill for its adoption in that Province also. This Bill will not come into force until proclaimed by the Governor-in-Council in the event of its adoption by the I. C. R.—Maritime Merchant.

PAINTERS' STRIKE SETTLED.

The Toronto painters and decorators who have been on a lockout for the past two weeks have won the fight. On April 15 the men in those shops which had not acceeded to their demands did not go back to work, but gathered in Richmond Hall to the number of 100, all of whom worked in shops represented in the Master Painters' Association. The master painters, early in the day, sent word that they would receive a committee from the men, and a conference was held. The bosses decided to grant the increase to 30c. an hour demanded by the men. This was gratifying to the strikers who all returned to work next day, April 16.

A NEW STEEL COMBINE.

A big steel combine has been organized in the United States. The new corporation will include ten furnaces and twenty mills and will have a capital of $200,000. A large number of independent blast furnaces and steel mills in the East and Middle West that were not taken into the Steel Trust will be included in the combine.

The organizers, Mr. F. H. Clarke, one of the promoters' legal advisers said, were principally Joshua Rhodes & Co., of Pittsburgh; E. N. Ohl, of Newcastle, Pa.; E. J. Baird, of Ironton, Ohio; and J. Gifford Ladd, of New York, representing the Youngstown concerns behind whom was Mr. Frick.

The $200,000,000 of stock would be divided, he said, equally into preferred and common stock. Last year, the earnings of the companies, Mr. Clarke said, were $12,500,000, the blast furnaces alone producing 50 per cent. of the iron ore used in the Bessemer steel plants of the country.

Mr. Clarke said that no name for the new concern had been decided on as yet, and it was too early to give out a list of officers. The company would be incorporated in New Jersey this week.

OPEN-HEARTH STEEL IN THE UNITED STATES.

THE American Iron and Steel Association reports that the total production of open-hearth steel in the United States in 1901, including direct steel castings, was 4,656,309 gross tons, against 3,398,135 tons in 1900, an increase of 1,258,174 tons. The production of open-hearth steel has more than doubled in the last four years, having increased from 2,230,292 tons in 1898 to the figures above given for 1901. The following table gives the production of open-hearth steel ingots and castings by States in 1901 :

States—	Gross Tons.
New England	170,876
New York and New Jersey	82,985
Pennsylvania	3,594,763
Ohio	184,943
Illinois	398,522
Other States	224,220
Total	4,656,309

The open-hearth steel made in 1901 was produced by 90 works in 14 States : Massachusetts, Connecticut, Rhode Island, New York, New Jersey, Pennsylvania, Delaware, Tennessee, Alabama, Ohio, Indiana, Illinois, Wisconsin and Missouri. Neither Maryland, Kentucky, Michigan nor Minnesota produced open-hearth steel in 1901, although all of the four States were producers in 1900. Rhode Island made open-hearth steel for the first time in 1901.

In 1900, the production of open-hearth steel by the basic process amounted to 2,545,091 tons, and by the acid process to 853,044 tons. In 1901, 3,618,933 tons were made by the basic process and 1,037,316 tons were made by the acid process.

FIRE IN ROLLING MILLS.

Some excitement was caused on Tuesday, April 15, by an alarm of fire for a blaze in one of the sheds of the Pillow & Hersey Manufacturing Co., Limited, Montreal, but the damage done was very small, though almost the whole fire-fighting force of the city turned out. Messrs Pillow & Hersey's own firemen, however, were on the scene in quick time, and as the establishment has a thoroughly up-to-date equipment, the flames were kept well under until the city firemen arrived. The fire was soon extinguished.

CATALOGUES, BOOKLETS, ETC.

MASSEY HARRIS BICYCLE CATALOGUE.

W. A. Harston, the representative at 177 Yonge street, Toronto, of The Massey-Harris Co., Limited, sends us a copy of the latter company's bicycle catalogue for 1902. The catalogue is neatly printed, profusely illustrated, and contains much that is interesting to bicycle dealers as well as to bicycle riders.



IVER JOHNSON'S ARMS & CYCLE WORKS,

Fitchburg, Mass.

New York Salesrooms— 99 Chambers Street.

A Bicycle so constructed that, with each thrust of the pedal, its hanger is forced to move out of alignment, **RUNS HARD** and will not wear well, as chain, sprockets, bearings and rear wheel are all subjected to unusual strains.

THE IVER JOHNSON TRUSS FRAME IS THE SOLUTION

as this construction strengthens the frame and adds rigidity to the crank hanger, with the accruing results of "easy running" and durability.

Agents wanted in unoccupied territory. Catalogues mailed free upon application.

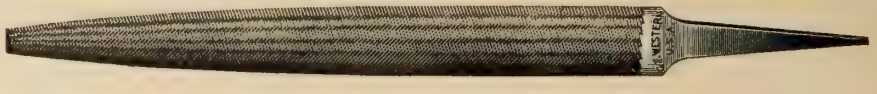


(FRAME PATENTED

Great Western Brand Cast Steel Files and Rasps

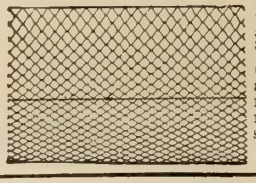
WARRANTED TO CUT FAST AND WEAR WELL.

Files of this brand supplied in all sizes, shapes and cuts.



For sale by the following Whole-sale Hardware Merchants:

The Hobbs Hardware Co., London. McLennan, McFeely & Co., Vancouver. Chinic Hardware Co., Quebec.
Hickman Tye Hdw. Co., Victoria. The J.H. Ashdown Hdw. Co.,Winnipeg. L. H. Hebert, Montreal.
Black Bros. & Co., Halifax.



NOTE CLOSE MESH AT BOTTOM

Page Acme Poultry Netting

is close meshed at bottom and does not require rail or board support at edges, having strong straight wire (No. 12 guage) at top, bottom and in centre, cannot sag and is easy to erect. The "Page Acme" netting is of neat appearance, very durable and cheap. We also make farm and ornamental fence, gates, nails and staples. The name of Page is your guarantee of quality.

The Page Wire Fence Co., Limited, Walkerville, Ont. 5

INDUSTRIAL GOSSIP.

TAR WORKS TO MOVE. It is reported that the tar works of Caritte & Patterson, Halifax, are to be removed to Sydney, C. B., and it is rumored that The Dominion Iron and Steel Co. have induced them to make the change. This would enable the coal company to dispose of a by-product to the others. It is also stated that a tar distillery will be started at Sydney.

CARRIAGE AND IMPLEMENT COMPANY. Application is being made to the Lieutenant Governor of New Brunswick by The Lounsbury Co., Limited, for incorporation. This new company proposes to purchase the carriage and implement business carried on at Newcastle, N.B., by the late George A. Lounsbury ; conduct a wholesale and retail business in carriages, sleighs, agricultural implements, furniture, machinery, pianos, organs, etc., and establish branches in different parts of the Province. The provisional directors are John T. Clark and William G. Clark, merchants, Fredericton, N B., and Chester C. Hayward, accountant, Newcastle, N B. The capital stock of the company is $45,000, divided into 450 $100 shares.

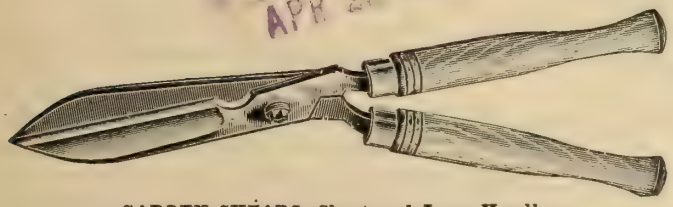
FIRE IN ELECTRIC WORKS.

On April 13 the premises of the Maritime Electric Co., Halifax, N.S., were damaged by fire to the extent of $2,000. The stock of electrical supplies, books, etc., were injured considerably. The cause of the fire is unknown.

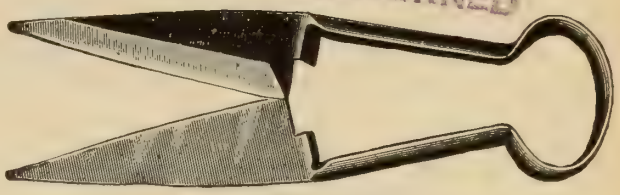
H. S. HOWLAND, SONS & CO.

WHOLESALE ONLY · 37-39 Front Street West, **Toronto.** · ONLY WHOLESALE

SHEARS

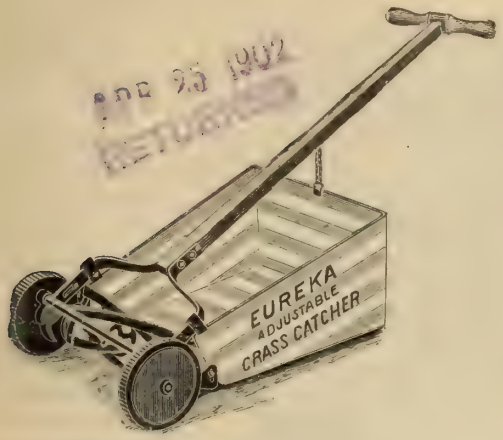


GARDEN SHEARS, Short and Long Handles.

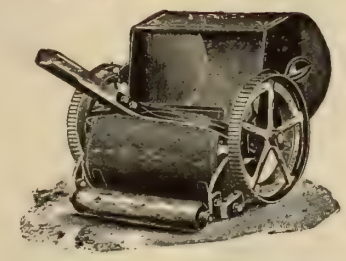


SHEEP SHEARS.

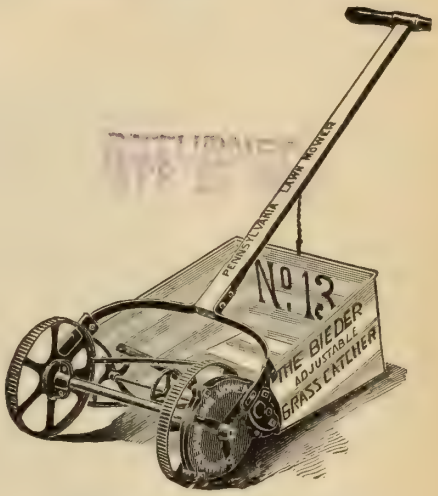
GRASS CATCHERS



"EUREKA" Canvas Grass Catcher.
Will fit all Low Wheel Mowers.

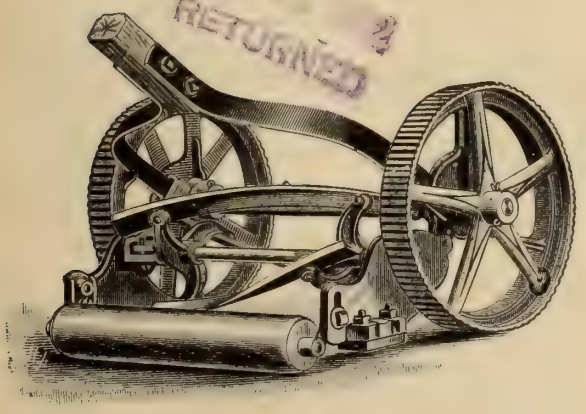


Japanned Tin Grass Catchers.
Will fit "WOODYATT" Mowers only.

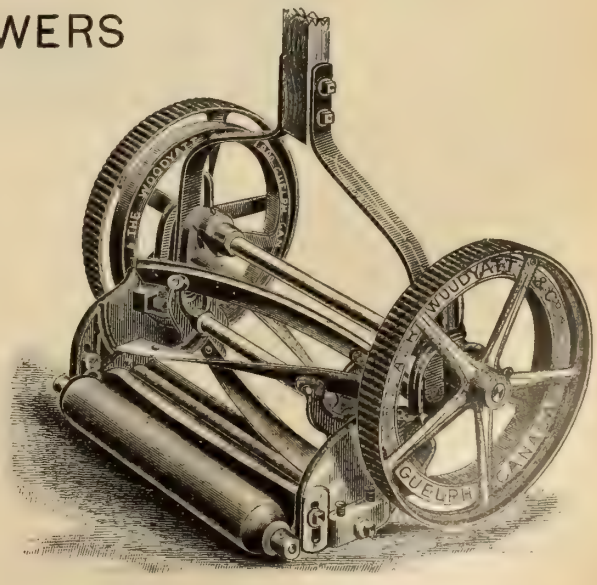


"BIEDER" Canvas Grass Catcher.
Will fit all High Wheel Mowers.

LAWN MOWERS



"STARR," 12, 14, 16 inches.
Three knives, 9-in. wheels.



"WOODYATT'S," 12, 14, 16, 18, 20 inches.
Four knives, 10½-in. wheels.

H. S. HOWLAND, SONS & CO., Toronto.

WE SHIP PROMPTLY · **Graham Nails are the Best.** · OUR PRICES ARE RIGHT

Factory: Dufferin Street, Toronto.

THE MESSRS. JOHN M. AND ADAM TAYLOR.

MR. JOHN M. TAYLOR, who recently resigned the general managership of the Dominion Radiator Co., Limited, of Toronto, to enter the manufacturing firm of A. R. Woodyatt & Co., Guelph, although still a young man, has had an experience of 24 years in the foundry business. He began his career with the James Morrison Company when 13 years of age, and remained with that firm until 1887, when the Dominion Radiator Co. was formed and he became its first manager. The Dominion Radiator Co., or as it was then called, the Toronto Radiator Company, was a small affair. To-day it is the largest purely radiator company in the British Empire. The well-known phrase which has become so popular in connection with the company, namely, "The Largest Radiator Manufacturers Under the British Flag," was coined by Mr. Taylor.

Since 1887 Mr. Taylor has found time to travel extensively, but always in the interest of Safford radiators. The Domnion of Canada he has covered from one end to the other, while to most of the chief countries of the world he is by no means a stranger. In the United States he is well known, and when it was announced that he was resigning his position as secretary-treasurer and general manager of The Dominion Radiator Co., he received a flattering offer from a certain manufacturing firm in that country, the largest of its kind in existence, to enter its services.

For two years Mr. Taylor was chairman of No. 7 district (Canada) of the National Founders' Association of North America. At present he is chairman of the Parliamentary Committee of the Canadian Manufacturers' Association.

His decision to resign his position of manager of The Dominion Radiator Co. was regretted a great deal by many of the company's customers, if the numerous letters which Mr. Taylor has received can be taken as a criterion. Some even expressed the opinion that if they could only have a few minutes' talk with him they might be able to induce him to reconsider his decision. Some of the agents also expressed their regret, while the employes of the company gave expression to their feelings in an address and in the presentation of a handsome office desk by them. The address read as follows :

John M. Taylor, Esq., Secretary-Treasurer and General Manager of The Dominion Radiator Co., Toronto.

Dear Sir,—Having learned with deep regret that you have decided to sever your connection with this company as general manager, we, the office staff and employes, desire to take this opportunity of expressing our sorrow at parting with one, whom, during the many years we have spent with him, we have always found to be not only a just and considerate employer, but a true friend, and one who has ever been thoughtful of the welfare and comfort of those in his employ.

We sincerely regret that you have decided to leave us, but can assure you that you carry with you our very best wishes for your future prosperity, and as a slight token of our respect and good-will, we ask your acceptance of this desk, which, as you sit by it, we trust will ever serve to remind you of the many friends you have left behind you amongst the employes of The Dominion Radiator Co.

Thanking you sincerely for the many kindnesses we have received at your hands, and wishing you every success in your new field of labor.

Signed on behalf of the employes of the company,

A. J. HOOEY, S. W. HOWARD,
GEORGE THORN, JOHN JEFFERY,
ERNEST BURNER, W. R. HAMMOND.



MR. JOHN M. TAYLOR.



MR. ADAM TAYLOR.

Mr. Adam Taylor, who for some years has been assistant manager of the Dominion Radiator Co., Limited, also resigned with his brother. Mr. Adam Taylor has the distinction of being both the first traveller and the first assistant manager of the company.

Although both have retired as officers of the Dominion Radiator Co., Limited, they are still shareholders and directors of that concern.

In A. R. Woodyatt & Company they have the controlling interest, Mr. George D. Forbes being the other partner. As our readers are aware, A. R. Woodyatt & Co. are extensive manufacturers of general hardware, lawn mowers, etc., whose products have a high reputation in Great Britain and several of her colonies as well as in Canada. Under the management of the Messrs. Taylor we may expect to see a further increase in the firm's business and reputation.

The Messrs. John M. and Adam Taylor are twins, and a peculiar fact in connection with their history is that they have never been parted. In the enterprise in which they have embarked it is to be hoped, not only that they will be successful, but that they may long be associated.

A NEW FIRM IN ST. JOHN.

The W. H. Hayward Co., Limited, St. John, N.B., is applying for incorporation. This company proposes to purchase the crockery business of Harvey P. and Augusta M. Hayward, in St. John, N B., and conduct in future a business of buying and selling of china, glassware, jewellery, hardware, cutlery and fancy goods. The capital stock is placed at $80,000, in 800 shares of $100 each. The incorporators are Harvey P. Hayward, Frank S. Parlee, David Churchill, Augusta M. Hayward and Annie E. Hayward, all of St. John, N. B. The first three named are the provisional directors.

"MIDLAND"
BRAND

Foundry Pig Iron.

Made from carefully selected Lake Superior Ores, with Connellsville Coke as fuel, "Midland" will rival in quality and grading the very best of the imported brands.

Write for Prices to Sales Agents

Drummond, McCall & Co.
or to MONTREAL, QUE.
Canada Iron Furnace Co. Limited
MIDLAND, ONT.

"The Peerless"

is the best Bolster Spring ever produced. A fine line for the hardware trade. Write Us For Prices.



James Warnock & Co. = Galt, Ont.

RICHARD JOHNSON, CLAPHAM & MORRIS, Ld., Manchester
AND LIVERPOOL, ENG.

CABLE ADDRESS—"Metallicus," Manchester.
CODES USED—ABC, AI, Liebers and Private Code.

Manufacturers and Metal Merchants

GALV'D SHEETS
GALV'D CANADAS
BLACK SHEET IRON
BLACK CANADAS
Range & Furnace SHEETS

TINPLATES, TERNES
TINNED SHEETS
PIG TIN, PIG LEAD
WIRE NETTING
GALV'D BARB WIRE

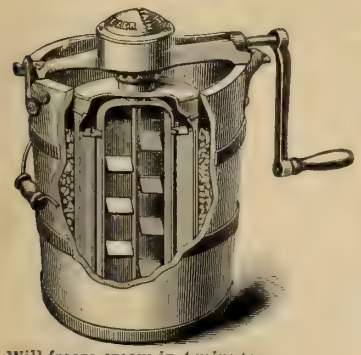


WAREHOUSE LEVER STREET

MONTREAL OFFICE:
Messrs. Copland & Co., Imperial Buildings.

HALIFAX OFFICE:
Messrs. Grant, Oxley & Co., 68 Bedford Row.

It Pays the Dealer


Will freeze cream in 4 minutes.

TO HANDLE THE

White Mountain Freezer

BECAUSE

It is the best acting, best looking, strongest, most durable and best selling freezer manufactured.

There is not a weak point about it or a waste part to it.

It embraces all the good features to be found in all other freezers, and many more besides that are peculiar to itself.

SOLE AGENTS FOR CANADA:

THE McCLARY MANUFACTURING CO.,
London, Toronto, Montreal, Winnipeg, Vancouver, St. John, N.B.

CORDAGE

ALL KINDS AND FOR ALL PURPOSES.

Manila Rope	Lathyarn
Sisal Rope	Shingleyarn
Jute Rope	Bale Rope
Russian Rope	Lariat Rope
Marline	Hemp Packing
Houseline	Italian Packing
Hambroline	Jute Packing
Clotheslines	Drilling Cables
Tarred Hemp Rope	Spunyarn
White Hemp Rope	Pulp Cord
Bolt Rope	Lobster Marlin
Hide Rope	Paper Cord
Halyards	Cheese Cord
Deep Sealine	Hay Rope
Ratline	Fish Cord
Plow Lines	Sand Lines

"RED THREAD" Transmission Rope from the finest quality Manila hemp obtainable, laid in tallow.

CONSUMERS CORDAGE COMPANY, Limited

Western Ontario Representative—
WM. B. STEWART,
Tel 94. 27 Front St. West, TORONTO.

MONTREAL, QUE.

INDUSTRY'S MAGIC STORY.

How Some Successful Business Men Started in Life.

AN event long to be remembered was the great dinner given to the "Captains of Industry" in New York. It was a high honor to the 100 distinguished Americans whom the German Prince Henry had expressed a wish to meet. Among them were men who had begun life at the forge, bench or desk, and worked their way up to wealth and fame.

For the first time since a blacksmith sat with King Solomon on his throne the "iron-worker" was again at the right hand of royalty, among the honored of the land. Royalty crosses the sea and banquets with the Captains of Industry — all because of the power of the artisan, the inventor and man of affairs. Among the men called to that dinner to meet a Prince were those who had begun life with nothing but their genius and their hands.

When Graham Bell, who is a Canadian by birth, reached London in 1878, with his newly-invented telephone, he met discouragement on every hand. It was called an amusing scientific toy of no commercial value. He even found difficulty in getting his instruments repaired. First in London, then in Sheffield, he vainly tried to get a finger length of steel fashioned for some vital part of his apparatus. None would attempt it. "We have no patterns for such work," said the head mechanic.

"What is your weekly pay?" asked Professor Bell of a Sheffield expert.

"Thirty shillings," he said.

"I'll give you two pounds to work for me an hour, and I will tell you how to do it," said Professor Bell.

"Thanks, but I must decline. You see, sir, we do all our work by patterns. I'd rather not try it."

Much annoyed, Professor Bell exclaimed: "It is an easy job. I could do it myself in half an hour were I at home."

"Oh, sir, you are welcome to use our ools as long as you please," replied the foreman, relieved. Mr. Bell went to the bench, and in half an hour had his telephone repaired and in working order. He was then a poor man. To-day he is worth millions and his fame encircles the globe.

Among those Captains of Industry, modest and silent in the presence of the Prince, was a man whose career began on the eastern slope of the Alleghanies — at Altoona. They are discussing it to this day. A railroad problem was perplexing the superintendant one morning, when an employe offered a suggestion. It was followed by silence, then exclamations.

"Who told you that? Do you think i will work? It's a bright idea. Try it." And he did. They called him a genius, and he went to work for himself and won. His name is George Westinghouse, and that was the beginning of his air brake and his great fortune that enabled him to pay Tesla a million dollars for inventions in electricity.

Next, the story of Charles Schwab, who now controls the nickel mines at Sudbury, Ont., reads like a chapter of magic in the Arabian Nights. He began as the humblest worker in Pennsylvania's greatest steel mills. From an apprentice he rose to the presidency of the American Steel Trust, capitalized at more than $1,300,000,000, and employing—Napoleon's army—150,000 men, receiving more than $150,000,000 in wages annually. From his visit to the crowned heads of Europe this Yankee Captain of Industry returned to join his fellow workingmen and meet the Prince and the learned professors at the Sherry dinner.

And so one might go on, finding inspiration and wonder in each man's career. In view of this—the general interest and the lesson of it have been asked for a brief account of how these men of science and industry made their first start in life, of the difficulties met, how they were encountered and to what particular endeavor they attribute their success. From the answers received the following extracts are given.

George F. Baer, Reading, Pa.

The corporate representative of the largest anthracite coal interests of Pennsylvania and prominent in financial matters there and in New York City. He was born in Somerset county, Pennsylvania, 1842. He graduated from Franklin and Marshall College. At 13 he began work on The Somerset Democrat, and in 1861, with his brother, became owner of the paper. When his brother went to the war he still ran the paper, yet studied law, principally at night. In August, 1862, he raised a company of volunteers, was elected captain and went to the front. Joining the army at the second battle of Bull Run, he participated in all the engagements up to and including Chancellorsville, when he was detailed as adjutant-general of the Second Brigade.

After the war Mr. Baer resumed his legal studies and was admitted to the bar in 1864. In 1868 he removed to Reading, and rapidly gained prominence at the Berks County Bar, and was an active practitioner for many years. His connection with the Reading companies dates back to 1870, when he became counsel for the Philadelphia and Reading Railroad. He subsequently became a director of that company, but, being unable to agree with the policy of President McLeod, he resigned.

For years he has been the confidential legal adviser of Mr. Morgan in Pennsylvania. When the Reading Railroad was reorganized after the receivership of 1893 he took a prominent part in it, and, in April 1901, was elected president, and also of the Central Railroad Co. of New Jersey.

Eliphalet W. Bliss, New York.

President of the E. W. Bliss Co., inventor and manufacturer of presses, dies and special machinery for working sheet metals; also the sole mannfacturer of the Whitehead torpedo and appliances for the United States navy, and president of the United States Projectile Co., manufacturer of shells for the army and navy. In response to inquiry, he says:

"My start in business was by serving five and a half years as machinist apprentice; was afterward connected with the Charles Parker Gun Company, in Meriden, Conn., for seven years; then came to Brooklyn to manufacture what were known as Campbell printing presses. Working for a percentage produced an envious feeling on the part of my employer, owing to my making more money than he had thought possible. That forced me into the press and die business, of which I was almost the pioneer, and resulted in my building up a business considered the largest of its kind in the world.

"The difficulties I encountered were very great, having no capital, no one of whom I

The Toronto Silver Plate Co., Limited

SILVERSMITHS and MANUFACTURERS of

Electro Silver Plate.

Below we illustrate one of our new patterns in Electro Plate Tea Ware.

We are producing a great many new patterns, and it might be well to see what our travellers have to bring before you before placing your order elsewhere.

WE ARE NOT IN THE TRUST, nor are we
MEMBERS OF ANY SILVERWARE ASSOCIATION OR COMBINE.



NO. 511 TEA SET, and NO. 1390 WAITER.

We issue several Catalogues ; if interested and in the trade write for them.

Factories and Salesrooms : King St. West, TORONTO, CANADA.

E. G. GOODERHAM, Managing Director.

could ask favors, depending on my word with the bank and my customers.

"Securing the confidence of one's customers and of the bank with which you do business, never failing in your promises to pay, and striving to fulfil all promises to customers will approach as nearly to a successful stage as anything."

Charles F. Brush, Cleveland, Ohio.

Scientist and inventor, awarded the great Rumford medal for the practical development of electric arc lighting. He is the founder of the American arc - lighting industry, and is a life member of the British Association and of many engineering and scientific societies in America and Europe. He writes :

"I was educated as a mining engineer, taking my first university degree in 1869. Believing there was a bright future for the professional chemist and metallurgist in the industrial arts, I followed this line of effort for several years. Time has long since proved my belief well founded, but its realization was too slow to warrant waiting.

"In 1877, after some years of study, thought and experiment, I gave up all other business and thereafter for many years devoted my time entirely to the invention and development of electric arc lighting on a commercial scale. This was an entirely new industry, and the attendant difficulties were great in consequence.

"The necessary inventions had to be made, patented and defended against piracy ; the machinery had to be designed, experimented with and modified until it was reduced to the simplest and most efficient form, and the public had to be educated to the new light in the face of strong opposition from the gas companies everywhere.

"It was in the practical development of electric arc lighting that I achieved business success, and I attribute that success to the selection of a congenial and promising field of effort, followed by years of study and hard work, intelligently directed to a definite end."

Alexander Cassatt, Philadelphia,

President of the Pennsylvania Railroad system, located in 13 States, with more than 10,000 miles of railroad, about 152,-000 employes, and with gross earnings of more than $200,000,000 a year. Of Huguenot-Scotch ancestry, Mr. Cassatt was born in Pittsburg in 1839. Educated at Darmstadt, Germany, and the Polytechnic Institute, Troy, N.Y. He is fond of horse racing and with his family and friends comes frequently to the Ontario Jockey Club races at Toronto.

After "locating" a railroad line in Georgia the young man entered upon his career.

Here is his career in a nutshell. In 1861 Mr. Cassatt shouldered the rod of under surveyor and began the real work of his life. He rose to be general manager—the office was created for him—became vice-president and is now president of the Pennsylvania's great system.

Under his administration the soft coal territory of Pennsylvania was secured ; also control of the Baltimore and Ohio, the Chesapeake and Ohio, the Norfolk and Western systems, and, more important than all, the Long Island Railroad, with tunnels under New York and its two great rivers, with stations in the heart of the city. With these properties $175,000,000 was added to the capital stock of the Pennsylvania road.

Among the achievements of Mr. Cassatt related as characteristic of his Napoleonic ability is the story of how he snatched a $14,000,000 railroad property from Mr. Garrett, of the Baltimore and Ohio Road, in a single night.

Charles F. Clark, New York.

Organizer and president of the Bradstreet Company, international commercial credit organization, with 140 offices distributed throughout the civilized world. He was born in Preble, Cortland County, New York, son of a Presbyterian clergyman. "I am indebted to my father," said Mr. Clark, "for my early education and to my mother for whatever executive ability and virility I have since shown. Her character, capacity and executive ability could have controlled and made successful any business enterprise."

Mr. Clark went to Detroit, entered the service of Senator Zachariah Chandler; next studied law with a firm that made a specilty of commercial and real estate transactions. While there he became correspondent of J. M. Bradstreet & Son, who published Bradstreet's book of commercial ratings, and aided in compiling the names and credit of Detroit firms.

Mr. Clark studied the system and resolved to make it his life's profession, but it did not then pay. To meet living expenses he pulished the Detroit directory, and step by step rose to the management of the Bradstreet enterprise, and finally became president of an organization with standing and credit in every part of the civilized world.

John H. Converse, Philadelphia.

General business and financial manager of The Baldwin Locomotive Works, now finishing its twenty thousandth locomotive, He was born in Burlington, Vt., on December 2, 1840. Went from college to The Burlington Times newspaper office as editorial writer ; next entered the service of the Chicago and Northwestern Railroad, and later went to the Pennsylvania Railroad at Altoona, when Dr. Edward H. Williams was superintendent at that point. Later, that gentleman became one of the owners of The Baldwin Locomotive Works, in Philadelphia, and Mr. Converse was soon taken into the firm. As business and financial manager, Mr. Converse has achieved great success, expanding the output of locomotives from 200 to 1,000 per annum.

Mr. Converse is also director in many of the leading banks and trust companies of Philadelphia. He is a philanthropist, and has liberally endowed universities, churches and libraries. His career exemplifies to a marked degree the value of trained intellect in extensive business affairs and fidelity in the administration of great trusts.

Francis B. Crocker, New York.

Chief instructor and professor of electrical engineering in Columbia University. He is the founder of the Crocker-Wheeler Electric Company, and was the president of the American Institute of Electrical Engineers in 1897 and 1898 ; is the author of several books and numerous papers on electrical engineering subjects.

He says: "In the first place, I believe a man should take up the profession or business he is most interested in and for which he possesses some talent. I believe this plan should be followed, even though it conflicts with family or social prejudices. A man should also prepare himself very thoroughly for his life's work, particularly if it is professional.

"Perhaps the most important quality is the ability and willingness to work hard. This does not necessarily mean an incessant grind from one year's end to another, but it does signify that one must be keen after his duties and not in the slightest degree inclined to shirk them. It is only by doing the work of the man ahead of you as well as your own that one can be promoted. It is almost always foolish to avoid responsibility. This is bound to come to one and it is impossible to dodge it."

Clement A. Griscom, Philadelphia.

Founder and president of the International Navigation Company, which owns and operates twenty-six transatlantic steam ship lines, and also president of the American Society of Naval Architects and Marine Engineers. Identified as director with important railroad, manufacturing and marine insurance companies.

As an employe in the shipping firm of Peter Wright & Co., Philadelphia, Mr. Griscom, of a distinguished family, studied marine architecture, and arose to found steamship lines ; was first president of the Society of Naval Architects and Marine

WE have the nicest set of Hose samples ever shown to the Canadian trade. Don't fail to see them.

HOSE

GARDEN
STEAM
SUCTION
ETC.

Send for samples and quotations.

WE make Hose of all kinds for all purposes. Our equipment is the most modern and our goods are perfection.

MANUFACTURED BY

THE DURHAM RUBBER CO., LIMITED

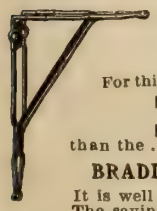
Bowmanville, Ont.

THE C. G. YOUNG CO.

RUBBER STAMPS

AND SUPPLIES

No. 1 Adelaide Street East - Toronto



Will Hold Up a Shelf!

That's what a shelf bracket is for. For this purpose there can be

NOTHING BETTER

NOTHING CHEAPER

than the....

BRADLEY STEEL SHELF BRACKET

It is well **Japanned, Strong** and **Light.** The saving in freight is a good profit, aside from the **lower price** at which the goods are sold.

☞ Order direct or through your jobber.

ATLAS MFG. CO., New Haven, Conn., U.S.A.

BRITISH BUSINESS CHANCES.

Firms desirous of getting into communication with British manufacturers or merchants, or who wish to buy British goods on the best possible terms, or who are willing to become agents for British manufacturers, are invited to send particulars of their requirements for

FREE INSERTION

in "Commercial Intelligence," to the Editor

'SELL'S COMMERCIAL INTELLIGENCE,'

Temple House, Tallis St., Temple Avenue, London, E.C.

"Commercial Intelligence" circulates all over the United Kingdom amongst the best firms. Firms communicating should give reference as to bona fides.

N.B.—A free specimen copy will be sent on receipt of a post card.

Have you this

trade mark on your shelves?

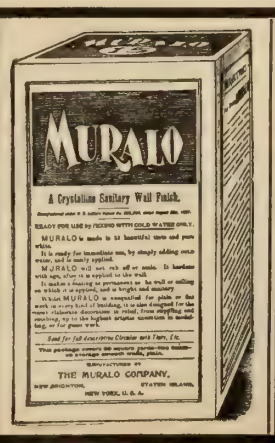
If not, you are not making as much money as you might.

HOLLYWOOD TRADE MIXED MARK PAINT

THE HOLLYWOOD PAINT CO., Limited

New York, Buffalo, Chicago, Columbus, O.

CANADIAN WORKS - HAMILTON, ONT.



MURALO

The only sanitary and the best of all **cold water** wall coatings **in 5-lb. packages.**

Agents:

A. RAMSAY & SON, - - - MONTREAL
J. H. ASHDOWN, - - - WINNIPEG
McLENNAN, McFEELY & CO., - VANCOUVER

Engineers, and has been reelected each year. As president of the International Navigation Co., he bought the Inman Line and added it to the fleet, and later the New York and Paris.

Through his energy special Congressional legislation was secured permitting these ships to sail under American register. Then he contracted with the Cramps for the two home-built ships, the St. Louis and St. Paul. In the Spanish War many of the company's ships were used by the Government, winning historic fame. Mr. Griscom has been specially honored and decorated by foreign Governments, belongs to the principal clubs and commercial organizations, and is at the head of leading banks, insurance companies and great industrial corporations.

Henry O. Havemeyer, New York.

Prominently identified with the sugar industry and influential in every branch of enterprise. He says:

"I started at the refinery in Brooklyn to learn the technical part of the business at the age of eighteen; was there until I was transferred to the Wall street office, to learn and attend to the mercantile part, at the age of twenty years and six months, succeeding in the department of my brother-in-law, who died. When I became twenty-one I was admitted to the firm, and, of course, went into the Trust at its formation, so that I became connected with the sugar refining business at eighteen, was a partner at twenty-one, and have been identified with it ever since.

"The so-called Trust has carried the business on profitably since its formation at a less margin between raw and refined than for the corresponding period previous thereto, an achievement for the share in which I have anticipated I am proud.

"I have nothing more to add."

Frederick Pabst, Milwaukee, Wis.

A brewer, one of the prominent men of the West, public spirited, identified with many financial interests. He writes:

"To start a business enterprise on a small scale at this stage of the commercial world's history, and to build it to proportions of national and even international repute; to do the work of manufacturing in a small room to which materials for the finished product are hauled by a yoke of oxen, and, sixty years later, to possess a plant which covers seventeen acres, and whose supplies each day equal what was used in ten years by the original establishment, that is called business success."

Edwin Reynolds, Milwaukee, Wis.

Inventor of the Reynolds-Corliss engine, president of American Society of Mechanical Engineers and chief engineer of the Allis-Chalmers Company, the constructors of the largest stationary steam engine. Born in Mansfield, Conn., in 1831. Went from farm to machine shop at 16; became foreman, then superintendent and finally was engaged by George H. Corliss, of Providence, R.I., as chief engineer and salesman. He reached the highest position with the then greatest engine works in the country.

Then he went to the Allis-Chalmers works, in Milwaukee, and under his management the force was increased from 300 to 2,500 men. He revolutionized engine building. The Reynolds-Corliss engine has grown from the 80 to 100 horse power of 1877 to the 10,000 to 12,000 horse power monster of to-day.

About 1880 he designed a blowing engine for the Joliet Steel Company of so radical a departure from existing types that it caused a sensation. It attracted Andrew Carnegie, who saw the machine and ordered one built, resulting in $5,000,000 of still more business from that company. Even to-day, after 20 years, its principal features are unchanged, and it is the accepted type of this class of engine.

Elihu Thomson, Lynn, Mass.

Electrician, founder of the Thomson-Houston Electric Company, which was consolidated in 1892 with the Edison interests as the General Electric Company; inventor of electric welding and working. He claims he is not a business man, so called, but a professional engineer and scientist.

His inborn tastes shaped his course from early childhood. Unless such compelling tastes existed, coupled with good judgment and energy in overcoming obstacles, success would not have been possible.

"Publicity," he has said, "interferes with study, with work, with usefulness in a large measure when it concerns careers" such as his. He does not seek and never has sought it, and says the same of "honors" and "awards." He repeats the saying that "when a man does anything of value, attracting public notice, all the world seems to conspire to prevent his doing more of it."

"Some credit me with being what I certainly am not — a typical American millionaire, etc.—under a mistaken notion that a man only becomes known by his financial or business success."

George Gray Ward.

Vice-president of The Commercial Cable Co., also of The Postal Telegraph Co., was born at Great Hadham, Hertfordshire, Eng., December 30, 1844. Educated at a private school at Cambridge.

Mr. Ward learned telegraphy at 10, and received a prize for his knowledge of the art. Entering the Electric Telegraph Co.'s service, and passing the various grades at different stations, resigned in 1865 and joined the Egyptian Government Telegraph Service and was three years at Alexandria. Mr. Ward was one of the few who stuck to their posts during the cholera of 1865. His valuable services were especially acknowledged by Ismail Pacha, the late Viceroy. Next he was with the first French Atlantic Cable Co., in 1869, and sailed on the Great Eastern as a member of the electrical staff during the laying of the cable.

Mr. Ward was stationed at St. Pierre, Miquelon, five years. He was next superintendent of the Direct United States Cable Company, and organized its system in the United States. Up to that time it had been considered a great feat to receive an answer to a cablegram from London inside of thirty or forty minutes. Mr. Ward reduced the time to a minimum, and it is now a daily occurrence to receive replies in less than five minutes.

This accelerated service created the Stock Exchange arbitrage business between New York and London, which has assumed such large proportions. He made the Direct Cable Company popular with the public and rendered valuable aid to the press. He also introduced the system of registered addresses, now adopted throughout the world.

In 1884 Mr. Ward became secretary and general manager of the Commercial Cable Company. In 1890 he was elected its vice-president, and in this position has achieved great success in perfecting an up-to-date, unique, unexcelled transatlantic service.

Charles D. Walcott, Washington.

Director of the United States Geological Survey, and organizer and leader in scientific and higher educational institutions, and member of many scientific organizations, was born in 1850, at New York Mills, N.Y.; began collecting rocks and fossils at 13, and soon decided to follow geology as a profession. Unable to attend college, he learned the steel and iron business, and studied alone. In 1876, he became a member of the New York State Geological Survey, and two years later was appointed to a position on the United States Geological Survey.

NAILS

Right Prices
Quick Shipments
Quality Guaranteed

Also

STAPLES

Write, Telegraph or Telephone
Page Wire Fence Co.
Limited
Walkerville, Ontario

CONDENSED OR "WANT" ADVERTISEMENTS.

Advertisements under this heading, 2c. a word each insertion; cash in advance. Letters, figures, and abbreviations each count as one word in estimating cost.

BUSINESS FOR SALE.

HARDWARE BUSINESS, IN A GROWING town. Prosperous farming section. Good location and premises. Opening for plumbing in connection. Business established thirty years. Owner has other interests. Address, Box 74, HARDWARE AND METAL, Montreal or Toronto. (8-tf.)

TINSMITHS WANTED.

TWO GOOD TINSMITHS WITH KNOWLEDGE of Hardware business. Single men preferred. Address Box 655, Nelson, B.C. (16)

SITUATIONS WANTED.

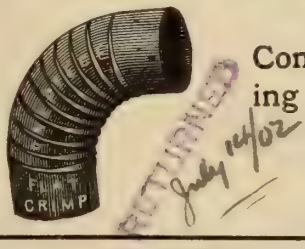
JEWELLER; GRADUATE OPTICIAN; GOLD, Silver and Nickel Plater, seeks position with Hardwareman in Northwest. Alberta preferred. Skillful, young and steady. Possesses good outfit. References first-class. Here is an opportunity to add profitalbe lines to your business. Correspondence solicited. Box 168, Brockville, Ontario. (16)

YOUNG MAN, WITH SEVEN YEARS' EXPERIENCE in hardware, desires situation as salesman. Would invest in paying business. Box 86, HARDWARE AND METAL, Toronto. (16)

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY MONTREAL.







2, 3, and 4-in. Tin and Galvanized Conductor Elbows, for sale by all leading jobbing houses.

Made by GEO. ALLEN,
BURLINGTON, ONT.

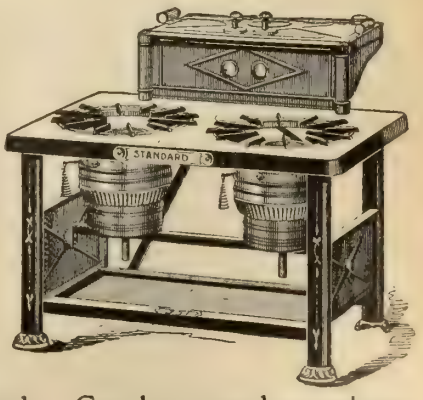
ESTABLISHED 1860. INCORPORATED 1895.

Here's Something New FOR . . . SUMMER COOKING

THE HANDIEST, CLEANEST, SAFEST, COOLEST AND MOST ECONOMICAL SUMMER COOK STOVE EVER SOLD.

The "STANDARD" Wickless Blue Flame Oil Stove

(Burns ordinary Kerosene)



combines the efficiency of the coal range and the convenience and comfort of the gas range at a fraction of the expense of either. An absolutely safe and clean stove; will not smoke, or get greasy; can't explode. Can be moved anywhere.

Made in large and small sizes. Write for catalogue.

THE THOS. DAVIDSON MFG. CO., Limited

General Agents, MONTREAL, CANADA.

FREE INSURANCE AGAINST FIRE

PLASBESTER

AGENTS WANTED IN EVERY TOWN.

the BEST ASBESTOS WALL PLASTER

Fire Proof
Frost "
Sound "
Will not crack.

MANITOBA MARKETS.

Winnipeg, April 7, 1902.

BUSINESS is reported good for the week and prices firm in nearly all lines. There have, however, been two fairly important changes: Canada plate has dropped 25c. and is now quoted at $3 25; while picks and mattocks have advanced 50c., being quoted at $5.50 and $6.50 respectively.

PAINTS OILS AND GLASS—No changes are recorded under this head, the drop in turpentine in Savannah so far not having affected this market. There is some doubt, however, of the recent advance being maintained.

BINDER TWINE—There is nothing new in the situation, prices being nominally those with which the market opened. No transactions of moment are reported for the week.

SCRAP—There is a steady demand in all lines but prices are without change.

IMPLEMENTS—The trade has been very good this week, particularly in the line of plows, and this too in spite of the bad roads. Various sections of the country, however, have started seeding and it is thought by the dealers that by the end of the week there will be a largely increased demand for drills.

The price list is as follows :

Barbed wire, 100 lb	$3 30
Plain twist	3 40
Staples	3 95
Oiled annealed wire 10	3 85
" 11	3 90
" 12	3 95
" 13	4 10
" 14	4 25
" 15	4 35
Galvanized wire, 6 to 8 gauge	4 00
" 9 "	3 50
" 10 "	4 05
" 11 "	4 20
" 12 "	3 65
" 13 "	3 75
" 14 "	4 45
" 15 "	4 60
" 16 "	4 75
Wire nails, 30 to 60 dy, keg	3 25
" 16 and 20	3 35
" 10	3 35
" 8	3 45
" 6	3 50
" 4	3 65
" 3	3 90
Coil chain, 3-16 inch	10½
" ¼ inch	8¾
" 5-16 inch	5½
" ⅜ inch	5¼
" 7-16 inch	5
" ½ to ¾ inch	4¾
Cut nails, 30 to 60 dy	3 05
" 20 to 40	3 10
" 10 to 16	3 15
" 8	3 20
" 6	3 25
" 4	3 35
" 3	3 70
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to No 1	4 65
No. 2 and larger	4 40
Snow shoes, No. 0 to No. 1	4 90
No. 2 and larger	4 40
Steel, No. 0 to No. 1	4 95
No. 2 and larger	4 70
Bar iron, $2.70 basis.	
Swedish iron, $5.00 basis.	
Sleigh shoe steel	3 25
Spring steel	3 25
Machinery steel	3 75
Tool steel, Black Diamond, 100 lb	8 50
Jessop	13 00
Sheet iron, black, 10 to 20 gauge, 100 lb.	3 50
20 to 26 gauge	3 75
28 gauge	4 00
Galvanized American, 16 gauge	2 79
18 to 22 gauge	4 75
24 gauge	5 00
26 gauge	5 25
28 gauge	5 50
Genuine Russian, lb	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 75
26 gauge	8 00
28 gauge	8 50
Tinplate, IC charcoal, 20 x 28, box	11 00
" IX "	13 00
" IXX "	15 00
Ingot tin	33
Canada plate, 18 x 21 and 18 x 24	3 25
Sheet zinc, cask lots, 100 lb	7 00
Broken lots	7 50
Pig lead, 100 lb	6 00
Wrought pipe, black up to 2 inch	50 and 10 p.c.
" Over 2 inch	50 p.c.
Rope, sisal, 7-16 and larger	$13 50
" ⅜	14 00
" ¼ and 5-16	14 25
Manila, 7-16 and larger	17 00
" ⅜	17 50
" ¼ and 5-16	18 00
Solder	18
Cotton Rope, all sizes, lb	17
Axes, chopping	$ 7 50 to 12 00
" double bitts	12 00 to 18 00
Screws, flat head, iron, bright	87½
Round " "	82½
Flat " brass	80
Round " "	75
Coach	57½ p.c.
Bolts, carriage	50 p.c.
Machine	50 p.c.
Tire	60 p.c.
Sleigh shoe	65 p.c.
Plough	40 p.c.
Rivets, iron	50 p.c.
Copper, No. 8	26
" No. 12	30
Bluestone, cask lots	$5 50
Spades and shovels	40 p.c.
Harvest tools	60, 10 and 10 p.c.
Axe handles, turned, s. g. hickory, doz.	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 75
No. 1	1 25
Files common	70, and 10 p.c.
Diamond	60
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	30 p.c.
" military	15 p.c.
American R.F.	30 p.c.
C.F. pistol	5 p.c.
C.F. military	10 p.c. advance.
Loaded shells :	
Eley's soft, 12 gauge black	16 50
chilled, 12 gauge	18 00
soft, 10 gauge	21 00
chilled, 10 gauge	23 00
Shot, Ordinary, per 100 lb	6 25
Chilled	6 75
Powder, F.F., keg	4 75
F.F.G.	5 00
Tinware, pressed, retinned	75 and 2½ p.c.
" " plain	70 and 15 p.c.
Graniteware, according to quality	50 p.c.

PETROLEUM.

Water white American	25½ c.
Prime white American	24c.
Water white Canadian	22c.
Prime white Canadian	21c.

BINDER TWINE.

Sisal and Standard f.o.b. Winnipeg	$ 11⅝
Manila, 550 feet	12⅞
Manila, 600 feet	14⅛
Pure Manila	15⅝

Five-ton lots ⅛c. less per lb., and car-lots ¼c. less.

SCRAP.

No. 1 cast iron	$13 to $14 per ton
No. 2 "	5 to 6 "
Wrought iron scrap	5 "
Copper (heavy)	7c. per lb.
Yellow brass (heavy)	8c. "
Light brass	5c. to 6c. "
Lead pipe, or tea lead	2c. to 2½c. "
Zinc scrap	1c. "

PAINTS, OILS AND GLASS.

Turpentine, pure, in barrels	$ 75
Less than barrel lots	80
Linseed oil, raw	85
Boiled	88
Lubricating oils, Eldorado castor	29
Eldorado engine	28½
Atlantic red	29½
Renown engine	41½
Black oil	20
Cylinder oil (according to grade)	55 to 74
Harness oil	65
Neatsfoot oil	90
Steam refined oil	85
Sperm oil	2 00
Pure castor oil, East India	11
Lubricating	10
Glass, single glass, first break, 16 to 25 united inches	2 50
26 to 40 per 50 ft.	2 75
41 to 50 " 100 ft.	6 00
51 to 60 " " "	6 50
61 to 70 per 100-ft. boxes	7 00
Putty, in bladders, barrel lots per lb.	2½
kegs "	2¾
White lead, pure per cwt.	6 50
No. 1 "	6 00
Prepared paints, pure liquid colors, according to shade and color, per gal.	$1.30 to $1.90

THE WORLD'S OUTPUT OF ZINC.

Henry R. Merton & Co. have issued the following statistics of the zinc output of the world. The figures, it will be observed, are most complete :

	1901. Tons.	1900. Tons.	1899. Tons.
Rhineland (Belgium and Holland	199,285	186,330	189,955
Silesia	106,385	100,705	98,590
Great Britain	29,190	29,830	31,615
France and Spain	27,265	30,620	32,955
Austria and Italy	7,700	6,975	7,190
Poland	5,935	5,875	6,225
	375,760	360,325	366,630
United States	12 ,830	110,465	115,845
World's output	498,590	470,790	482,485
Average price ex-ship, Thames	£ 9 0s. 7d.	£20 5s. 5d	£24 17s. 2d.
Zinc imports into Great Britain, Tons	68,454	69,536	69,949

EXPORTING LAWN MOWERS.

A. R. Woodyatt & Co., Guelph, Ont., last week shipped two carloads of lawn mowers to Palmerston, New Zealand, and one carload to London, England.

ADVANCE IN PRICE OF STOVES.

The Western Stove Manufacturers' Association, at a meeting held in Chicago a few days ago, decided to raise the price of stoves 5 per cent. The Association represents 40 different concerns. According to the stove men, higher prices for raw material made the increase necessary.

DECLINE IN SILVER PRICES.

The present price of silver, 24¾d. an ounce, is the lowest since September, 1897, when a dip was made to a low record of 23⅝d., against a level of 26d. in the previous and succeeding months. The highest London price recorded for silver was 62¼d. in 1859. As late as 1890 it was 54⅝d. and in 1900 30¼d. The tendency is believed to be still downward, as the East is taking little new silver, while American and Australian supplies are more than equal to the demand. The immediate decline is due to he troubled state of the Indian and Chinese markets.—American Metal Market.

John Bowman

HARDWARE & COAL CO.

LONDON, ONT.

Our stock of goods for the spring trade is now complete, and we can fill all orders promptly on the following lines :

Wire, Nails, Cordage, Window Glass, White Lead, Paints, Whiting, Churns, Linseed Oil, Spades and Shovels, Screen Doors, Wove Wire, Poultry Netting, Builders' Hardware, Guns and Sporting Goods. Finest stock in the Province of Cutlery.

Prompt Shipment. Prices Right.

DOMINION WIRE MANUFACTURING CO.

Limited

MONTREAL and TORONTO.

We Manufacture

IRON
STEEL
BRASS
AND
COPPER
WIRE

and the following products of same :



Wire Nails
Wood Screws
Bright Wire Goods
Barbed and Plain Fencing
Fence, Poultry, Bed, Blind — STAPLES
Cotter Pins
Jack Chain
Door Pulls
"Crescent" Hat and Coat Hooks



MARKETS AND MARKET NOTES

QUEBEC MARKETS.

Montreal, April 18, 1902.

HARDWARE.

THE business done in hardware during the past week has been most satisfactory all round. Merchants who placed their orders for delivery on May 1 are asking to have the goods shipped immediately, the spring business having commenced earlier than was anticipated, and the hurry displayed by the trade everywhere to have their orders filled now is evidence that stocks are light throughout the country. The wholesale houses are consequently very busy. The opening of navigation between Montreal and Quebec and other eastern points has greatly stimulated the trade in that direction. Such lines as washing machines, wringers, etc., are moving well at present. Cutlery is also in good demand. The market shows an upward tendency in many lines, and several advances are reported this week. Builders' hardware is among this list, and on all lines the feeling is firm. Cabinet hardware has advanced. Screen wire cloth, cordage and some brands of scales are higher. Warren's "Champion" scales are now discounted at 55 per cent. instead of 65 per cent. Warren's weigh beams are discounted at 35 per cent. American prices on cabinet hardware have advanced about 20 per cent. Scythes have commenced to move well, and prices quoted are somewhat altered. The advance is mainly on account of the scarcity of raw materials. Peterborough and Gurney locks and builders' hardware have advanced, and the discount is now 40 and 10 per cent. off. Common door knobs are 5c. higher, now being quoted at 95c. per dozen.

SCYTHES.—There is a better demand for these, and the trade is picking up gradually. We quote: Lance, No. 80, $5.50; Hurd's Clipper, $6.50; concave, $7.50; Sibely, $8.50. Cradle scythes, cast steel, $8.50; silver steel, $9.50; "Harvest King," $10.50. Bush scythes, $6.50.

BARB WIRE.—There is a good business doing in this wire at unchanged quotations. The price is $3 per 100 lb. f.o.b. Montreal.

GALVANIZED WIRE.—The market is in much better shape this week, and orders are now being placed freely. We quote: Nos. 6, 7 and 8 gauge, $3.45; No. 9, $2.80; No. 10, $3.55; No. 11, $3.65; No. 12, $2.95; No. 13, $3.05; No. 14, $4.05; No. 15, $4.55; No. 16, $4.80; No. 17, $5.20; No. 18, $5.45.

SMOOTH STEEL WIRE.—There is no improvement to note this week. We quote: Bright iron and annealed on a base of $2.60 per 100 lb., f.o.b. Montreal, Toronto, Halifax, London, Hamilton and St. John. Net extras, per 100 lb. are as follows: Coppered wire, 60c.; tinned wire, $2; oiling, 10c.; spring wire, $1.25; best steel wire, 75c.; bright soft drawn, 15c.; special hay-baling wire, 30c.

FINE WIRE.—The market is dull. The discount is 22½ per cent.

BRASS AND COPPER WIRE.—The discount is 60 per cent. on both wires. Trade is quiet.

FENCE STAPLES.—The demand for fence staples is very good and keeps up steadily. Prices are unchanged. Our quotations are as follows: $2.90 per 100-lb. keg, for bright, and $3.25 for galvanized. 25 and 50-lb. packages, 25c. extra.

WIRE NAILS.—The market is active at the present quotations. We quote: $2.55 for small lots and $2.50 for carlots f.o.b. Montreal, London, Hamilton, Toronto, Gananoque, Brantford, Windsor, Ont., St. John and Halifax.

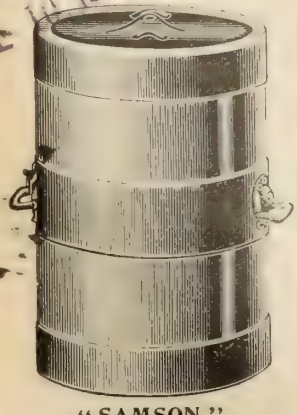
CUT NAILS.—There is a fairly good trade doing in cut nails, and the price remains at $2.35 per keg, in small lots, and in carlots, $2.27½. The discount on coopers' and flour barrel nails is 40 per cent.

HORSE NAILS.—Business is brisk. We quote as follows: "C" brand at 50

Anticipating that the demand for the following goods would be much greater than many in the Trade expected, we made up large stocks of each line and stored them in our warehouses ready for immediate shipment.

The rush orders already received for made-up cans have confirmed our anticipations, and if **you** have underestimated **your** requirements we can fill your orders so promptly that you need not be out of stock at any time during the season.

"SAMSON" MILK CANS MADE UP.



"SAMSON."

Body is made from Best Quality of Tinned Sheet Iron.

Has extra broad, heavy top and centre hoops.

Malleable side handles. One-piece sheet steel bottom, which will not tear flooring or wagon bottoms.

Strongest, Cleanest, and Most Easily Handled.

"Samson" Railroad or Delivery Cans Made Up.

Made with Seamless or Bell Cover.

Supplied with "Samson" Seamless Bottom, Seamless Cover, Seamless Neck, Seamless Breast, and "D" Side Handles.

Cleanest, Easiest to Handle and most Durable Railroad or Delivery Can on the Canadian market.



"SAMSON."

We also have a large stock of **"Samson"** Dairy Pails made up and ready for shipment.

The McClary Manufacturing Co.,

LONDON, TORONTO, MONTREAL, WINNIPEG, VANCOUVER, AND ST. JOHN, N.B.

"Everything for the Tinshop"

ENGLISH
GERMAN
BELGIAN
CANADIAN
AMERICAN
} PORTLAND CEMENTS.

FIRE
BUILDING
ENAMELLED
SILICA
MAGNESIA
} BRICKS.

DRAIN
CULVERT
} PIPES.

F. HYDE & CO.

31 WELLINGTON ST., MONTREAL

. . FULL STOCK . .

Salt Glazed Vitrified



Double Strength Culvert Pipe a Specialty.

THE CANADIAN SEWER PIPE CO.

HAMILTON, ONT. TORONTO, ONT.
ST. JOHNS, QUE.

Deseronto Iron Co.

LIMITED

DESERONTO, ONT.

Manufacturers of

CHARCOAL PIG IRON

BRAND "DESERONTO."

Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.



Up to date Grocers' Refrigerators,

Mineral Wool Filled, Eight Walls. Ask for prices from any dealer handling our household refrigerators, or write direct to us for descriptive catalogue and prices.

Ham & Nott Mfg. Co., Limited, Brantford, Ont.

and 7½ per cent. off and "M" brand at 60 per cent. off on oval and new city heads and 66 2-3 per cent. off for new countersunk heads.

HORSESHOES.—These continue to move rapidly. No quotable change has been made. We quote as follows: Iron shoes, light and medium pattern, No. 2 and larger, $3.50; No. 1 and smaller, $3.75; snow shoes, No. 2 and larger, $3.75; No. 1 and smaller, $4; X L steel shoes, all sizes, 1 to 5, No. 2 and larger, $3.60; No. 1 and smaller, $3.85; feather-weight, all sizes, $4.85; toe weight, steel shoes, all sizes, $5.95 f.o.b. Montreal; f.o.b. Hamilton, London and Guelph, 10c. extra.

SCREWS.—There is a very good demand still, and the market is steady. The discounts are as follows: Flat head bright, 87½ and 10 per cent. off list; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.

BOLTS.—A gradually improving market is experienced for bolts, and at present a fair trade is doing at steady prices. We quote: Norway carriage bolts, 55 per cent.; common, 50 per cent.; full square carriage bolts, 55 per cent.; machine bolts, 50 and 5 per cent.; coach screws, 66 2-3 per cent.; sleigh shoe bolts, 65 and 5 per cent.; blank bolts, 50 and 5 per cent.; bolt ends, 50 and 5 per cent.; plough bolts, 50 and 5 per cent. To any retailer an extra discount of 10 per cent. is allowed. Tire bolts, 67½ per cent.; stove bolts, 67½ per cent. Nuts, square, 3½c. per lb. off list; hexagon nuts, 3¾c. per lb. off list. To all retailers an extra discount of ¼c. per lb. is allowed.

BUILDING PAPER.—This is being freely inquired after, and a good business is doing at quoted prices. Dry and tarred sheathing are particularly active. Our quotations are as follows: Tarred felt, $1.70 per 100 lb.; 2-ply, ready roofing, 85c. per roll; 3-ply, $1.10 per roll; carpet felt, $2.25 per 100 lb.; dry sheathing, 30c. per roll; tar sheathing, 40c. per roll; dry fibre, 50c. per roll; tarred fibre, 60c. per roll; O K and I X L, 65c. per roll; heavy straw sheathing, $30 per ton; slaters' felt, 60c. per roll.

CORDAGE.—The market is active and firm. There has been an advance of ½c. on British manila, sisal, and lathyarn. Quotations follow: Manila, 16c.; British manila, 14½c.; sisal, 13c.; lathyarn, 11½c. Prices on binder twine are as follows: Blue ribbon, 650 feet to the pound, 14½c.; Redcat, 600 feet to the pound, 13½c.; Tiger, 550 feet to the pound, 12½c.; Standard, 500 feet to the pound, 11c.; sisal, 500 feet to the pound, 11c. Prices are subject to a rebate of ¼c. in carload lots.

RIVETS AND BURRS.—There is still a good demand. The discounts on copper rivets were inadvertently given as 35 and 5 per cent. instead of 45 and 10 per cent. Our quotations are as follows: Best iron rivets, section, carriage, and wagon box, black rivets, tinned do., coopers' rivets and tinned swedes rivets, 60 and 10 per cent.; swedes iron burrs are quoted at 55 per cent. off; copper rivets, with the usual proportion of burrs, 45 and 10 per cent. off, and coppered iron rivets and burrs, in 5-lb. carton boxes, are quoted at 60 and 10 per cent. off list.

SCREEN WIRE CLOTH.—An advance of 5c. per roll has been made in screen

THE BEST BRANDS

TINPLATES
"Allaways" Charcoal.
"Lydbrook," "Trym," "Grafton" Cokes.

TINNED SHEETS
"Wilden" Best Coke or Charcoal.

TERNE PLATES
"Dean," dull finish.

CANADA PLATES
"Dominion," polished.

Accept no Substitutes.

A. C. LESLIE & CO.
MONTREAL.

THE R. McDOUGALL CO., Limited,
GALT, ONT.
Manufacturers of



Iron and Brass
PUMPS
FOR ALL SERVICES.
FORCE PUMPS,
LIFT PUMPS,
CISTERN PUMPS,
HAND OR POWER PUMPS
OF ALL KINDS.

Catalogue for the asking.

OUR MOTTO: "The best quality and right prices."

ADAM HOPE & CO.
Hamilton, Ont.

We offer for prompt shipment
Pig Tin,
L. & F. and STRAITS.
Ingot Copper, O.C.
Pig Lead.
Spelter.
Antimony.

NOVA SCOTIA STEEL & COAL CO., Limited
NEW GLASGOW, N.S.
Manufacturers of
Ferrona Pig Iron
And SIEMENS MARTIN
OPEN HEARTH STEEL.

The Brand of Varnish

that suits all of your customers all the time is the kind for you to sell.

That Brand is undoubtedly

Elastilite

No other so good for the same price.

None better at any price for outside and inside uses.

In tins only, from half-pints to one gallon.

MANUFACTURED ONLY BY

The Imperial Varnish & Color Co. LIMITED

Toronto, Ont., Canada.

Canadian Agents for Buehne's "Red, White and Blue" Brand Steel Wool.

"Ark Brand" Paint

is a purely Canadian product.

CANADIAN MATERIALS.
CANADIAN WORKMEN.
CANADIAN MANUFACTURERS.
CANADIAN CONSUMERS.

You cannot make a mistake in stocking such goods. Canada has a reputation for honest goods, and

"Ark Brand" Paint

is one of the products that has won her that name.

Send for our Booklet and Color Cards.

EVERY CAN GUARANTEED.

THE FRANCIS-FROST CO. Limited

TORONTO.

Canadian Distributing Agents for Grippin's Crack Filler.

wire cloth, the price now being $1.30 per 100 square feet. Trade is fair.

POULTRY NETTING.—There is a moderate business doing. Prices are unchanged from last week, and the market is steady. Canadian or English is discounted at 60 per cent. off 2 x 2 mesh, 19 wire, and 55 per cent. off 2 x 2 mesh, heavier, Canadian list.

HARVEST TOOLS.—The discount has been changed, and is now 60 and 10 per cent. off. The market is active.

FIREBRICKS.—There is only a moderate trade passing. No change has been made in prices. We quote: Scotch, $19 to $23.50, and English, $18.50 to $22.50 per 1,000.

CEMENT.—The market is quiet and steady. Stocks of imported cements are quite light here, and jobbers are awaitquotable change, however, has occurred. ing the arrival of new goods by the first steamer. Quotations are as follows: German cement, $2.30 to $2.40; English, $2.25 to $2.35; Belgian, $1.70 to $1.95 per bbl. ex-wharf, and American, $2.20 to $2.30 ex-cars.

METALS.

The position of metals has not materially altered since our last report. Everything is firm, and a good demand continues. Furnaces and mills are being run to their full capacity, but even night and day work does not enable them to supply the demand as promptly as buyers would like. Many orders have gone to Scotland from here for steel, buyers failing to obtain it in the United States. This trade is greater than it has been for many years. The feeling in the English markets is still strong, and importers here are being urged to wire any firm orders they have, as the market has a decided upward tendency.

PIG IRON.—The great demand for pig iron continues, and notwithstanding the increased supply there is difficulty in obtaining enough for all requirements, and the market is very firm. Canadian is quoted at $18.50 to $19, and Summerlee at $21 to $21.50.

BAR IRON.—There has been no further change in prices in this market. Bar iron is in active demand, and is firm at the present quotations. Merchants' bar, in small lots, sells for $1.95, and horseshoe iron for $2.20.

BLACK SHEETS.—The demand is still good. English prices on black sheet steel were cancelled on Friday, April 11, but some importers have received firm quotations since then at unchanged figures. We quote as follows: 28 gauge, $2.65; 26 gauge, $2.60; 20 to 24 gauge, $2.50, and 8 to 20 gauge, $2.50.

GALVANIZED IRON.—The market is active and continues as firm as ever. No Our quotations are as follows: No. 28, Queen's Head, $4.40; Apollo, 10¾ oz., $4.40; Comet, $4.25, with 10c. extra for less than case lots.

INGOT COPPER.—This still is quoted at 14c. There is not a great business passing.

INGOT TIN.—Trade shows some improvement over that of last week. The price of Straits has been advanced 1c., and is now 30c.

PIG LEAD.—We quote $3.25. There is not much doing.

LEAD PIPE.—The price for composition waste is 7½c. and for ordinary, 7c. The discount is 37½ per cent.

IRON PIPE.—There is a good demand. Our quotations are as follows: Standard pipe, per 100 ft., screwed and coupled, in lengths under 19 feet, as follows: Black pipe, ⅛, $3; ¼, $2.40, ⅜, $2.65; ½, $3; ¾, $3.70; 1-in., $5.25; 1¼, $7.40; 1½, $8.90; 2-in., $12.40. Galvanized, ¼, $3.20; ⅜, $3.45; ½, $4; ¾, $5.05; 1-in., $7.25; 1¼, $10.10; 1½, $12.15; 2-in., $16.70. Extra heavy pipe, plain ends, are quoted, per 100 feet, as follows: Black, ½, $4.35; ¾, $5.30; 1-in., $7.60; 1¼, $10.60; 1½, $12.70; 2-in., $17.45. Galvanized, ½, $5.35; ¾, $6.70; 1-in., $9.60; 1¼, $13.30; 1½, $15.95; 2-in., $21.75. For threads and couplings 5 per cent. is added.

TINPLATES.—There is not much doing. Our quotations are not changed from last report. Cokes sell for $4.25 per box, and charcoal for $4.75 to $5.25 per box.

CANADA PLATE.—The market here is quite as firm as ever, though a continued easy feeling prevails in England. The demand is active. Quotations are as follows: 52's, $2.65 to $2.70; 60's, $2.75 to $2.80; 75's, $2.80 to $2.85; full polished, $3.75, and galvanized, $4.25 to $4.35.

STEEL.—Since the reduction of last week there has been no further quotable change. Business is very good. Our quotations are now as follows: Sleighshoe, $2.10; tire, $2.15; bar, $2.05; spring, $2.85; reeled machinery, $2.85; toecalk, $2.60.

SHEET STEEL.—There has been almost no improvement in this market, and trade remains quiet. Quotations follow: Nos. 10 to 20, $2.50; 3-16, $2.50; ¼, 5-16 and ⅜, $2.40.

TOOL STEEL.—Trade is better, though

the movement is still light. Jessop's is worth 13c., and Diamond, 8c.

TERNE PLATES — The market is firmer, and a much better business has been done during the past week. The price is $7.75 to $8.

COIL CHAIN.—The business doing in chain is not great, and prices remain as quoted. American manufacturers have refused to take orders for future delivery, owing to the uncertainty as to what labor difficulties may result before July 1, which is the time when such questions are settled for the year. We quote: No. 6, 12½c.; No. 5, 10½c.; No. 4, 10c.; No. 3, 9½c.; ¼-in., 7¼c. per lb.; 5-16, $4.80; 5-16 exact, $5.25; ⅜, $4.25; 7-16, $4.05; ½, $3.85; 9-16, $3.75; ⅝, $3.55; ¾, $3.50; ⅞, $3.45; 1-in., $3.45. In carload lots an allowance of 10c. is made.

SHEET ZINC.—We quote $5.75 to $6.25.

ANTIMONY.—There is little doing. The price is 10c.

ZINC SPELTER.—Trade is fair this week, showing some improvement. The price is 5c.

SOLDER.—There is no change in quotations. A good trade continues. Bar solder is worth 18c., and wire solder, 20c.

PAINTS AND OILS.

Turpentine has shown no further signs of a decline since last week, and now is slowly but surely assuming a stronger position. The primary market is once more steady after the recent fluctuations. The outlook is not clear, but reports from the interior point to a smaller production than last year. Linseed oil, on the English market, is still unsteady, but with a fairly strong undertone. Locally, there is no change. Business in all paints and oils is very active. We quote:

WHITE LEAD.—Best brands, Government standard, $5.87½; No. 1, $5.50; No. 2 $5.12½; No. 3, $4.75; No. 4, $4.37½ all f.o.b. Montreal.

DRY WHITE LEAD—$5.25 in casks; kegs, $5.50.

DRY WHITE ZINC — Pure dry, 6¼c.; No. 1, 5¼c.; in oil, pure, 7¼c.; No. 1, 6¼c.; No. 2, 5¼c.

PUTTY — We quote: Bulk, in bbls., $1.90 per 100 lb.; bulk, in less quantity, $2.05; bladders, in bbls., $2.25; bladders, in 100 or 200 lb. kegs or boxes, $2.40; in tins, $2.55 to $2.65; in less than 100-lb. lots, $3 f.o.b. Montreal, Ottawa, Toronto, Hamilton, London and Guelph. Maritime Provinces, 10c. higher, f.o.b. St. John and Halifax.

ORANGE MINERAL—Casks, 7c.; 100 lb. kegs, 7¼c.; smaller quantities, 8¼c.

RED LEAD — Genuine red lead in casks, $4.50; in 100-lb. kegs, $4.75; less quantities, $5.75 per 100 lb. No. 1 red lead, casks, $4.25; kegs, $4.50, and smaller quantities, $5.50.

LITHARGE—Ground, casks, 5c.; less, 5½c.; flake litharge, casks, $5.25; smalls, $5.75 per 100 lb.

LINSEED OIL.—Raw, 80c.; boiled, 83c. In 5 to 9 bbls., 1c. less; 10 to 20 bbl. lots open, net cash, plus 2c. for four months. Delivered anywhere in Ontario between Montreal and Oshawa at 2c. per gal. advance and freight allowed.

TURPENTINE.—Single bbls., 72c.; 2 to 4 bbls., 71c.; 5 bbls., and over, open terms.

SHELLAC VARNISH — Pure white, $2.35 to $2.45; orange, $2.25 to $2.35.

MIXED PAINTS—$1.20 to $1.45 per gal.

CASTOR OIL—8¾ to 9¼c. in wholesale lots, and ½c. additional for small lots.

SEAL OIL.—47½ to 49c.

COD OIL—32½ to 35c.

PARIS GREEN — Petroleum barrels, 16¾c. per lb.; arsenic kegs, 17c.; 50 and 100-lb. drums, 17½c.; 25-lb. drums, 18c.; 1-lb. packages, 18½c.; ½-lb. packages, 20½c.; 1-lb. tins, 19½c.; ½-lb. tins, 21½c. f.o.b. Montreal. Terms: 3 per cent. 30 days, or four months from date of delivery.

SCRAP METALS.

There is still some scarcity of scrap iron, though, with the improvement of the country roads, deliveries have been freer, and the market has been relieved somewhat. It is expected that prices will go down shortly, as the supplies to arrive from abroad are large. Prices are unchanged, and our quotations are as follows: Heavy copper and wire, 11c. per lb.; light copper, 8c.; heavy red brass, 11c.; heavy yellow, 9c.; light brass, 5c.; lead, 2⅞ to 2⅝c.; zinc, 2¼c.; iron, No. 1, wrought, $18; No. 2, $8 per ton; machinery scrap, $15; stove plate, $10 to $11; malleable and steel, $5; mixed country rags, 60 to 70c. per 100 lb.; old rubbers, 6c. per lb.

GLASS.

The market is still quiet. Early shipments are expected to arrive in a week or two. Our quotations are as follows: First break, 50 ft., $2.10; second, $2.20 for 50 ft.; first break, 100 ft., $4; second break, $4.20; third break, $4.70; fourth break, $4.95.

HIDES.

The hide market is still quiet. An advance of 1c. has taken place in beef hides. Calf skins are easy. We quote: No. 1 hides, 8c.; No. 2, 7c.; No. 3, 6c. No. 1 calfskins, 11c. Sheepskins, 65c.

MONTREAL NOTES

Ingot tin is 1c. higher.

Beef hides have advanced 1c.

Screen wire cloth has gone up 5c. per roll.

Common door knobs have advanced 5c. per dozen.

British manila rope, sisal, and lath yarn are all up ½c.

The discount on harvest tools is now 60 and 10 per cent. off.

Warren's "Champion" scales are now discounted at 55 per cent. instead of 65 per cent.

ONTARIO MARKETS.

Toronto, April 18, 1902.

HARDWARE.

THE feature of the wholesale hardware trade this week is the advance in builders' hardware, both the Canadian and United States manufacturers having put their prices up, the latter 20 per cent. and the former 10 per cent. Wood stoves and ranges are also higher by 5 per cent. Harvest tools have again advanced, the discount now being 60 and 10 per cent. Trade continues active. Fancy wires are going out freely. The demand is fair for wire nails. Very little is being done in either horseshoes or horse nails. Eavetrough and conductor pipe are in active request, and a good business is being done in tinware and enamelled ware. In gas stoves, oil stoves, refrigerators and ice-cream freezers a large business is being done.



BARB WIRE.—A good many orders are being shipped both from stock and from factory. The business in fence wires this spring appears to be larger than usual. We quote: F.o.b. Cleveland, $2.27½ for less than carlots, and $2.65 for carlots. From stock, Toronto, $3.

GALVANIZED WIRE. Shipments are going out freely this week, and our quotations are as follows: Nos. 6, 7 and 8, $3.50 to $3.85 per 100 lb., according to quantity; No. 9, $2.85 to $3.15; No. 10, $3.60 to $3.95; No. 11, $3.70 to $4.10; No. 12, $3 to $3.30; No. 13, $3.10 to $3.40; No. 14, $4.10 to $4.50; No. 15 $4.60 to $5.50; No. 16, $4.85 to $5.35. Nos. 6 to 9 base f.o.b. Cleveland are quoted at $2.52½ in less than carlots and 12c. less for carlots of 15 tons.

SMOOTH STEEL WIRE. The demand for oiled and annealed wire is good. We quote the base price, $2.60 per 100 lb. Oiling, 10c.; coppering, 60c.; and tinning, $2 per 100 lb. extra. Delivery points Toronto, Hamilton, London and Montreal, with freights equalized on those points.

FINE STEEL WIRE.—The demand is steady. Discount, 22½ per cent.

WIRE NAILS.—The demand is good and nearly altogether for prompt shipment. Our quotations are as follows: $2.55 for less than carlots and $2.50 for carlots. Delivery points, Toronto, Hamilton, London, Gananoque and Montreal.

CUT NAILS.—Business continues to be only of a limited nature. The base price, $2.35 per keg, with 7½c. allowance on carlots.

HORSE NAILS.—Trade is quiet, and the discounts are as follows: "C" brand, oval head, 50 and 7½ per cent., and on "M" and other brands, 50, 10 and 5 per cent. Countersunk head 60 per cent.

HORSESHOES.—Very little doing. We quote f.o.b. Toronto as follows: Iron shoes, No. 2 and larger, light, medium and heavy, $3.60; snow shoes, $3.85; light steel shoes, $3.70; featherweight (all sizes), $4.95; iron shoes, No. 1 and smaller, light, medium and heavy

(all sizes), $3.85; snow shoes, $4; light steel shoes, $3.95; featherweight (all sizes), $4.95.

SCREWS.—A good trade is being done in screws. Several of the large contractors have lately booked for the whole of their estimated supply for the season in expectation of an advance in prices. The discounts are: Flat head bright, 87½ and 10 per cent.; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.; round head bronze, 65 per cent., and flat head bronze 70 per cent.

RIVETS AND BURRS.—There is an active demand. The boiler and machine shops are working overtime and are experiencing difficulty in getting skilled mechanics. We quote: Iron rivets, 60 and 10 per cent.; iron burrs, 55 per cent.; copper rivets, with usual proportion of burrs, 45 and 10 per cent.; copper burrs alone, 30 and 10 per cent.

BOLTS AND NUTS. Trade is active, some large lots going out. Our quotations are as follows: Carriage bolts, common ($1 list), 50 per cent.; carriage bolts, full square ($2.40 list), 55 per cent.; carriage bolts, Norway iron ($3 list), 55 per cent.; machine bolts, all sizes, 50 and 5 per cent.; coach screws, cone points, 66 2-3 per cent.; elevator shaft and whiffletree bolts, 50 per cent.

ROPE.—There has been another ½c. advance in prices on several lines, and the demand is good. We quote as follows: Pure manila, 16c.; British manila, 14½c.; sisal, 13c.; lathyarn, 12c.; sisal bed cord, 3 cord, 48 ft., 65c.; 60 ft., 80c.; 72 ft., 95c. per dozen.

BINDER TWINE.—The demand is fair and prices firm.. We quote as follows: "Blue Ribbon," 650 ft., 14½c.; "Red Cap," 600 ft., 13½c.; "Tiger," 580 ft., 12½c.; sisal, 500 ft., 11c.

EAVETROUGH, ETC.—Large quantities of eavetrough and conductor pipe are going out this week. Eavetrough is quoted at $3.10 per 100 square feet for 10-in., and conductor pipe at $4 for 3-in. and $5.25 for 4-in.

SCREEN DOORS AND WINDOWS.—A large quantity has been shipped and the sorting-up business has not yet begun, of course. Common doors, 2 or 3 panel, are quoted f.o.b. factory points: Walnut, stained, 3-in. style, $6.80 per dozen; stained, yellow, $7; natural color, oil finish, $8.15; 4-in. style, 20c. extra per dozen. Windows: No. 0, $1.60; No. 1, $1.70; No. 2, $1.95; No. 3, $2.10; No. 4, $2.50 per dozen.

SPADES AND SHOVELS.—There is a good movement and the manufacturers are short on some lines. Discount, 40 and 5 per cent.

HARVEST TOOLS.—Some lines are still very scarce, the manufacturers experiencing difficulty in getting malleable "D" tops. Prices are higher, the discount now being 60 and 10 per cent. instead of 60, 10 and 10 per cent.

BUILDING PAPER.—The demand is good. Quotations are as follows: Dry sheathing, grey or straw, 30c. per roll; tar sheathing, grey or straw, 40c. per roll; dry fibre, 50c. per roll; tarred fibre, 60c per roll.

LAWN MOWERS.—Business is fairly good. Discount on high-wheel mowers is 50 per cent.; "Star" mowers, 9-in. wheels, $2.50 to $3; "Daisy" mowers, 17-inch wheels, $2.25 to $2.50.

POULTRY NETTING. Business appears to be pretty well over as far as the jobbers are concerned. Quotations are as follows: 2-inch mesh, 19 w.g., discount, 60 per cent.; 2-inch mesh, 18 w.g. and heavier, 50 and 10 per cent.

GREEN WIRE CLOTH.—Business is good at the advance, and jobbers are looking for still another appreciation in values. We quote $1.30 per 100 square feet.

BUILDERS' HARDWARE.—There has been an advance by both the United States and Canadian manufacturers in many lines of builders' hardware, fuller particulars of which will be found in our editorial columns.

TINWARE AND ENAMELLED WARE.—Trade is fair in enamelled ware and a good business is doing in tinware.

WOOD STOVES.—Prices have been advanced 5 per cent. on wood stoves and ranges.

CEMENT.—Trade is commencing to pick up, causing the manufacturers to become busy. The market is not so weak, as the United States manufacturers are raising their prices. Quotations are as follows: Canadian Portland, $1.90 to $2.75; Canadian hydraulic, $1.25 to $1.50; German cement, $3; English, $3 to $3.15; Belgian, $2.50 to $2.75 per bbl., and American, $2.20 to $2.30 ex-cars.

METALS.

The metal market continues strong and active. Pig iron is still scarce and high, and steel, it is almost impossible to get.

PIG IRON.—The demand is fair and the market continues strong. The demand still exceeds the supply. We quote, nominally, $19.50 to $20 on track Toronto.

BAR IRON.—The position remains much as before, the demand being good and supplies scarce. We quote $1.95 to $2.05. Extras cut to length while rolling: 2 ft. and over, 10c. per 100 lb.; 1 ft. and under 2 ft., 15c.; under 1 ft., 20c.; over 20 ft. by special agreement, according to length and size.

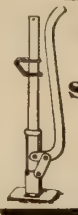
STEEL.—There do not yet appear to be any signs of relief to the scarcity of steel. Some of the mills in the United States have this week notified their representatives in Canada to accept no orders under three months' delivery. Our quotations are as follows: Merchantable cast steel, 9 to 15c. per lb.; drill steel, 8 to 10c. per lb.; "B C" and "Black Diamond" tool steel, 10 to 11c.; Jessop's, Morton's and Firth's tool steel, 14c.; toe-calk steel, $2.85 to $3; tire steel, $2.30 to $2.50; sleighshoe steel, $2.10 to $2.25; reeled machinery steel, $3; hoop steel, $2.90.

BLACK SHEETS—Business is active, and stocks are light. We quote: Common, $3.15 for 28 gauge; and dead flat, $2.50 for 26 gauge.

CANADA PLATES—The demand is light. We quote: All dull, $3; half polished, $3.10; all bright, $3.75.

GALVANIZED SHEETS—Trade is remarkably good. The early spring has naturally started up outside work earlier than usual. Many dealers who had placed orders for May delivery are now to have delivery made at once. As wholesalers appear to have ordered their spring stocks earlier than usual, they have been able to some extent to accommodate their customers. Prices, locally, are unchanged at $4.50 for case lots, and $4.65 for smaller quantities.

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.
'WELLINGTON' KNIFE POLISH
JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
Wellington Mills, London, England.
Agent:
JOHN FORMAN, 644 Craig Street
MONTREAL


COVERT MFG. CO.
West Troy, N.Y.
Steel Carriage and Wagon Jacks,
Harness Snaps, Chain, Rope and Web Goods, etc.
FOR SALE BY JOBBERS AT MFRS. PRICES.

PRIEST'S CLIPPERS
BALL BEARINGS

Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., USA

NEWMAN'S PATENT
INVINCIBLE FLOOR SPRINGS
Combine all the qualities desirable in a Door Closer. They work silently and effectually, and never get out of order. In use in many of the public buildings throughout Great Britain and the Colonies.
MADE SOLELY BY
W. NEWMAN & SONS, Birmingham.

Oneida Community Goods
HALTERS, COW TIES SNAPS, etc., etc.,
in all sizes and styles. May be had of all jobbers throughout Canada.
Factory—NIAGARA FALLS, ONT.

GARDEN AND ALL OTHER STYLES OF
WHEELBARROWS, WASHING MACHINES,
ROUND AND SQUARE, ROTARY AND REACTING.
Warehouse Trucks, Bag Trucks, Barrel Trucks, etc., etc.
WRITE FOR PRICES.
CLELAND BROS & CO.,
MEAFORD, ONT. (12)

TIN — The outside markets have been characterized by a good deal of strength during the past week, and advances have been steady. A week ago, spot tin closed in London at £125 5s. for spot and £124 for futures. At the time of writing, the quotation is £128 5s. for spot and £125 15s. for futures. In New York, the market is dull, but spot tin is quoted at $28 50 for one to four-ton lots, compared with $27 85 a week ago. Locally, trading is chiefly confined to small lots, the high prices keeping large buyers out of the market. Our quotations are 1c. higher at $30 to $31 per 100 lb.

TINPLATES—Shipments have been coming forward rather freely during the week, and stocks are now in fairly good condition. A good business is being done in both large and small lots. We quote I C at $4.25.

TINNED SHEETS — A moderate amount of business is being done. We quote: 70 x 30, up to 24 gauge, 7½c.; ditto, up to 26 gauge, 8c.

COPPER—Trade is quiet in both sheet and ingot copper. At the time of writing the New York market is steady in tone, while London is a little lower. We quote ingot at $15 per 100 lb., and sheet copper at $22 to $23.

BRASS—Trade is a little more active. Discount 15 per cent.

PIG LEAD — The market is firm and London closed 1s. 3d. higher on Wednesday. Locally trade is quiet. We quote pig lead at $3.50 to $3.75, and bar lead at $5.

IRON PIPE — Business is fair and the market strong. We quote as follows per 100 ft.: ⅛-in., $3; ¼-in., $2.50; ⅜ in., $2.75; ½-in., $3; ¾-in., $3.70; 1-in., $5.25; 1¼-in., $7.40; 1½ in., $8 90; 2 in., $12.40; galvanized, 1-in., $7.25. Trade discount 4 per cent.

ZINC SPELTER—The demand is moderate. The outside markets are, as a rule, steady to strong. Locally, prices are unchanged at $5.50 to $6 per 100 lb.

ZINC SHEET—Orders are numerous but small. We still quote cask lots at $6 to $6.25, and part casks at $6.25 to $6.50.

SOLDER—A good business is being done and prices are unchanged. We quote as follows: Half-and-half, guaranteed, 19c.; do. commercial, 18½c.; refined, 18c.; wiping, 17½c.

ANTIMONY — There has been more movement during the past week. We quote 10c. per lb. for Cookson's.

PAINTS AND OILS.

The prices of turpentine are unchanged, and the market is steady. It is reported that the bulk of the coming crop in the South is already sold for export and also that the crop this year will be late. Others say that the turpentine market is being manipulated by a few holders and that the high prices cannot long be maintained. The market for raw and boiled linseed oil is strong and there is a good demand for that article from all quarters. The warm weather and the settlement of the painters' lockout, has resulted in a big local demand for leads, oils, and dry colors. The wholesale jobbers and the manufacturers are busy for this time of the year and report this one of the best Aprils they have ever had. Some jobbers state that, following the rush of last week, trade will be quieter for a week or 10 days, until the repeat orders come in. The travellers have been all over their fields, and report that prospects for a large season's trade are excellent. There has been no change in prices, so we quote:

WHITE LEAD—Ex Toronto, pure white lead, $5.87½; No. 1, $5.50; No. 2. $5.12½; No. 3, $4.75; No. 4, $4.37½ in pkgs. of 25 lb. and upwards; ½c. per lb. extra will be charged for 12½-lb. pkgs.; genuine dry white lead in casks, $5.12½.

RED LEAD—Genuine, in casks of 560 lb. $5 to $5.12½; ditto, in kegs of 100 lb., $5.50; No. 1, in casks of 560 lb., $4; ditto, kegs of 100 lb., $4.50.

LITHARGE—Genuine, 6 to 6½c.

ORANGE MINERAL—Genuine, 7½ to 8c.

WHITE ZINC—Genuine, French V.M., in casks, $6 to $6.25; Lehigh, in casks, $6.

BENZINE—In barrel lots, 17c. per gal.; less quantities, 25c. per gal.

PARIS WHITE—90c. to $1 per 100 lb.

WHITING — 65c. per 100 lb.; Gilders whiting, 80c.

GUM SHELLAC — In cases, 35c.; in less han cases, 40c. per lb.

LIQUID SHELLAC—Pure orange, in bbls., $2.25 to $2.35; white, $2.35 to $2.45 per gal.; in less quantities, 10c. extra.

PUTTY—Bladders, in bbls., $2.25; bladders, in 100 lb. kegs, $2.40; bulk in bbls., $1.90; bulk, less than bbls. and up to 100 lb., $2.05; bladders, bulk or tins, less than 100 lb., $2.90.

PLASTER PARIS—New Brunswick, $1.90 per bbl.

PUMICE STONE — Powdered, $2.50 per cwt. in bbls., and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in bbls.

LIQUID PAINTS—Pure, $1.20 to $1.40 per gal.; No. 1, $1.10 per gal.

CASTOR OIL — English, in cases, 9½ to 10c. per lb. and 10 to 10½c. for single tins.

LINSEED OIL—Raw, 1 to 4 barrels, 82c.; boiled, 85c.; 5 to 9 barrels, raw, 81c.; boiled, 84c., delivered. To Toronto, Hamilton and London, 2c. less.

TURPENTINE—Single barrels, 71c.; 2 to 4 barrels, 70c., delivered. Toronto, Hamilton and London 1c. less. For less quantities than barrels, 5c. per gallon extra

Why is it AMERICAN BRAND FILES AND RASPS have such a reputation ?

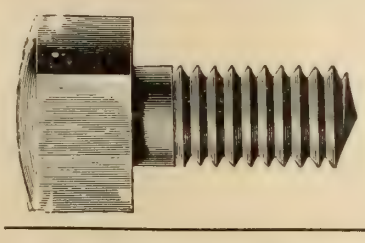
BECAUSE—they are made from high-grade steel by experienced mechanics.

CAREFULLY TESTED AND WARRANTED.



For sale by the following Prominent Hardware Merchants:

Wood, Vallance & Co., Hamilton. Thomas Dunn & Co., Vancouver. The Fairbanks Co., Montreal.
Geo. D. Wood & Co., Winnipeg. A. Macpherson & Son, Montreal. Wm. Stair, Son & Morrow, Halifax.



THE JOHN MORROW MACHINE SCREW COMPANY, Limited

Manufacturers of

Set and Cap Screws, Special Milled Work, Engine Studs, Etc. Cold Punched Nuts of every variety of finish.

INGERSOLL, ONT.

The ZANZIBAR PAINT CO., Limited
Toronto. SOLE MANFRS.

ZANZIBAR HOUSE PAINTS.
Strong Colors, Durable Gloss, Uniform and Smooth.

ZANZIBAR FLOOR PAINTS.
Easily Spread, Elastic and Durable—Dry Quickly and Hard.

ZANZIBAR ROOF AND BARN PAINTS.
Low Priced, Smooth Body, Weather-Proof.

Zanzibar Shingle Stains contain no anilines, but best pigments—Permanent Colors. Strong Preservative.

NOTE:—We're a strictly Canadian house, buying all we can in Canada, quality being equal, and we will appreciate your patronage or an opportunity to tell you more about ourselves and our goods.

will be added, and for 5-gallon packages, 50c., and 10-gallon packages, 80c. will be charged.

GLASS.

There is a glass famine threatening in the fall, owing to a lockout amongst the glass-makers in Germany and Belgium. The stocks here are light and the prices are firm. We quote: Under 26 in., $4.25; 26 to 40 in., $4.65; 41 to 50 in., $5.10; 51 to 60 in., $5.35; 61 to 70 in., $5.75; 71 to 80, $6.25; 81 to 85, $7; 86 to 90, $7.75; Toronto, Hamilton and London. Terms, 4 months, or 3 per cent. 30 days. Discount off pane price list, 33⅓ per cent.

OLD MATERIAL.

Trade in scrap metals is improving with the warm weather. The market is steady. We quote as follows: Heavy copper and wire, 10¼c. per lb.; light copper, 8c. per lb.; heavy red brass, 10c.; heavy yellow brass, 8 to 8½c.; light brass, 5c.; lead, 2¼ to 2½c.; scrap zinc, 2¼ to 2½c.; iron, No. 1 wrought, $14 50 per net ton; No. 2 wrought, $6; machinery cast scrap, $14; stove plate, $10; malleable and steel, $5; old rubbers, 6c. per lb., and country mixed rags, 50c. per 100 lb.

HIDES, SKINS AND WOOL.

HIDES—The supply is small, but the demand is slack. The market is steady. We quote: No. 1 green, 6½c.; No. 2 green, 5½c.; No. 1 green, steers, 7½c.; No. 2 green, steers, 6½c.; cured, 7¼ to 7½c.

SKINS—Calfskins have advanced 1c. per lb. This is owing to local competition, the foreign market being still unchanged. Lambskins are coming in now, and the receipts of sheepskins are light. We quote: No. 1 calfskins, 10c.; and No. 2, 8c.; deacons (dairies) 55 to 60c. each; sheepskins, 80c. to $1; lambskins, 15c.

WOOL—The market for coarser wool seems to be in a hopeless condition, and prices have declined ½c. per lb. We quote: Fleece wool, 12½c., and unwashed, 7 to 8c. per lb.

SEEDS.

The prices of red clover and alsike have weakened slightly, but timothy remains firm. Trade is a little slack owing to the lateness of the season. We quote out of store at Toronto: Red clover, $7.50 to $9.50; alsike, $10 to $17, and timothy, $7.80 to $8.25.

COAL.

The opening of navigation is giving the coal merchants an opportunity to replenish their stocks. We quote prices at international bridges as follows: Grate, $4.75 per gross ton; egg, stove and nut, $5 per gross ton; soft coal, $2.50 to $3.25 in bond.

PETROLEUM.

There has been an advance of ½c. all around. We quote: Pratt's Astral, 17 to 17½c. in bulk (barrels, extra); American water white, 17½ to 18c. in barrels; Photogene, 17 to 17½c.; Sarnia water white, 16½ to 17c. in barrels; Sarnia prime white, 15 to 15½c. in barrels.

MARKET NOTES.

Harvest tools are dearer.

Pig tin is quoted $1 per 100 lb. higher.

Several lines of cordage are ½c. higher.

Builders' hardware is 10 to 20 per cent. higher.

Petroleum has advanced ½c. per gallon all around.

H. S. Howland, Sons & Co. have just taken in stock Egyptian cement for mending crockery. It is claimed to be one of the best cements of the kind on the market.

NOVA SCOTIA MARKETS.

Halifax, N.S., April 14, 1902.

NOTWITHSTANDING the interruptions of trade consequent on the late strike of the longshoremen—who handle all the outgoing and incoming water importations—the wholesale hardwaremen are quite satisfied with the last week's business. The fishermen are still sorting up their last necessities for the season's work—even at the last moment there remains something to procure. Orders are coming in from the various routes covered by the travellers, and all report brisk business in every quarter. There is a building boom on in Nova Scotia, and the necessities in this line are being heavily dealt in. Money seems to be plentiful all over the Province, and payments are met readily, much to the satisfaction of the trade.

* * *

The retail trade is only fairly active, as no doubt it has been somewhat interfered with by the auction sale of Crowell Bros.' large stock lately damaged by fire. Still, the business since the first of the year has been so good that they are not dissatisfied to allow a slacker period to average up with a rushing one.

* * *

That the trade in all lines has been good for the year so far is evidenced by exports, which, since last September, are a half million ahead of the year previous and that was considered an exceptionally good year. At the same time it should be noted that during the last two weeks, for the reason given at the opening of these notes, the exports fell off nearly one half, being at least $100,000 less than last year.

* * *

Just now the hardwaremen are exercised over the fact that the insurance companies propose to raise their rates—they have "struck," as it were, for a higher premium. The principal hardwaremen had a meeting last week and it "struck" them that the insurance men did not know a good thing when they had it. They will make a determined effort to prevent any increase in the present rates, but as they are in a measure at the mercy of the insurance companies they may have to pay the extra demand or go uninsured.

* * *

There is no material change in the hardware prices in the city, though there may be some cutting in glass, as heavy importations arrived last week and a large quantity is expected this week from Germany. The same steamer is also bringing a large quantity of cement.

* * *

Everything in iron and steel is firm, and in some lines difficulty is experienced in getting orders filled promptly by the manufacturers, or in the primary markets. Linseed oil, which advanced sharply some weeks ago, is easier, but no reduction has been announced. Turpentine has advanced slightly since last report.

R. C. H.

MANILA HEMP.

The United States Government has remitted the export duty on manila fibre for export to the United States, notwithstanding a promise their Government had made to that of Great Britain on the annexation of the Philippines that they would impose no preferential tariffs detrimental to the old-established trade between Great Britain and those Islands. The British Government has decided to instruct their ambassador at Washington, Lord Pauncefote, to call the attention of the Government of the United States to the effect of the Philippine hemp tariff on the rope industry of Great Britain.

A deputation of Canadian manufacturers of binder twine will also wait on the Dominion Government and point out that the present preference will give the United States manufacturer an advantage of $7.50 a ton.

FIRE IN A HARDWARE STORE.

The hardware store of W. F. Diblee & Sons, Woodstock, N.B., was the scene of a fire on April 9 that did some damage before it was put out. The flames originated in the cellar and were caused by a clerk who went down into the basement to draw some japan in a measure. The stuff got on fire and the flames quickly spread over the cellar and upstairs. The arrival of the fire brigade put a stop to the devastation going on, but much stock was damaged by the water. There was an insurance of $1,500 on the building and contents.

B.C. IRON FIRMS AMALGAMATE.

Ten iron manufacturing firms in British Columbia have amalgamated, and the work of the Province will be distributed amongst the several plants according to their capacity. The firms in the amalgamation are the Vancouver Engineering Co. and the Albion Iron Works, Victoria; the Albion Iron Works, Vancouver; the Victoria Machinery and Depot Co.; the Andrew Gray Iron Works, the Schaake Iron Works, the Dobson Iron Works, Nanaimo, and the Wilson Iron Works.

PERSONAL MENTION.

Mr. E. S. Batchelor, representing the Russell-Erwin Manufacturing Co., New York, has been calling on the Montreal hardware trade this week.

MR. EDGAR WILLS RESIGNS.

Mr. Edgar A. Wills, formerly secretary of the Toronto Board of Trade, has severed his connection with the Iron Ox Co., of Walkerville, of which he was appointed manager a few months since.

American Steel & Wire Co.

New York: Empire Building. Montreal: New York Life Building. Chicago: The Rookery.

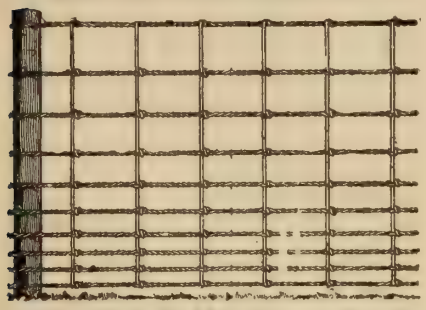
BARB WIRE. GALVANIZED PLAIN WIRE.
PLAIN TWIST CABLE FENCING.

Telegraph and Telephone Wire, Mattress, Broom, Weaving Wires of every description, Rail Bonds, Bale Ties, Special Wires for all purposes. Springs, Horse Shoes, Wire Rope, Cold Drawn Steel Shafting.

The Oshawa Wire Fence Co.

OSHAWA, ONT. Limited

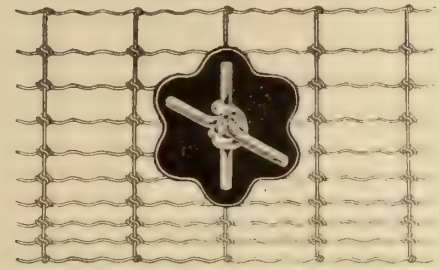
Manufacturers of...
Woven Wire Fencing, Gates, Etc.
Also Dealers in Galvanized Fence Wire.



Agents wanted Send for catalogue and prices.

IDEAL WOVEN WIRE FENCING

Complete in the roll. A heavy one-piece stay that will not buckle up and cannot slip. Note the lock. No. 9 hard spring wire throughout. A fence that will last.



The McGregor, Banwell Fence Co., Limited
WINDSOR, ONT.
COILED SPRING AND OTHER FENCE WIRES.

You Economize in Wrapping Papers

—When you buy the wrapping papers of these mills—good in quality—full weight always—480 sheets to the ream.

Promptness in filling of orders.

CANADA PAPER CO., Limited
TORONTO, and MONTREAL, Que.

HOW THEY CAME OUT



They came out all right!

So does anyone who uses the genuine

AMERICAN or GEM
Spring Hinges

In use nearly forty years and noted for great durability and correct workmanship.

Please write to
LAMPLOUGH & McNAUGHTON, De Bresoles Street, MONTREAL, QUE.
Canadian Agents

Sole Manufacturers
The Columbian Hardware Company, COE and HAMILTON STREETS, Cleveland, Ohio

HEATING AND PLUMBING

BUILDING PERMITS IN TORONTO.

During the week permits have been granted from the office of the city commissioner, Toronto, as follows : The City Corporation, for a one-storey cement building at the Exhibition Grounds for the Dairy Exhibit, to cost $13,300 ; W. E. Rontrey, for a two-storey roughcast dwelling on Givens street, for $500 ; J. Cohen, for alterations and a new front to store at 105 Queen street west, for $350 ; W. McBean, for a two-storey brick and stone dwelling on the north side of Dundas street, for $12,000 ; R. H. Good, for a one storey and attic frame house in rear of 620 Island Park, at west point near lake shore, for $500 ; Greenway & Parker, for a pair of two storey brick vencered dwellings at 1914 and 1906 Queen street east, for $2,000 ; Mr. Butland, for a one-storey roughcast addition to residence at 13 Essex street, for $300 ; A. H. Moore, for a two-storey brick dwelling on the south-west corner of Bloor street and Lansdowne avenue, for $1,500 ; W. Haines, for brick alterations to dwelling on Pape avenue, for $1,000 ; Alfred Batho, for a pair of two-storey brick and roughcast dwellings at 206 and 208 Marguretta street, for $2,400 ; W. Warsfold, for a pair of two-storey stone and brick dwellings on the east side of Brock avenue, for $2,500 ; R. M. Wallace, for a two-storey roughcast dwelling at 650 Shaw street, for $700 ; W. C. Hamilton, for a two-storey brick dwelling on Bellwood's avenue, for $3,000 ; Thomas Moore, for a pair of two-storey brick dwellings on the east side of Markham street, for $6,000 ; W. J. Pearson, for a two-storey wooden summer cottage on lake front, near Hooper avenue, for $3,700 ; and Mrs. M. E. Chinn, for a two-storey brick dwelling on Albany avenue, for $5,000.

PLUMBING AND HEATING CONTRACTS.

McDonald & Wilson, house furnishings, etc., Toronto, have secured the contract for the gas and electric fixtures of the St. George apartment house on St. George street, Toronto ; for the electric fixtures of a residence for Gen. Fitzhugh, at Cobourg, Ont., and the electric fixtures of a new Presbyterian church at Edmonton, N.W.T.

Maxwell & Johnson, plumbers, etc., Toronto, have secured contracts for the plumbing, heating, gas fitting and electric wiring of two houses on Brunswick avenue for A. B. Smith, and the plumbing, heating and gas fitting of six new houses on the corner of Albany and Barton avenues.

The John Ritchie Plumbing and Heating Co., Limited, Toronto, have secured contracts for the plumbing and heating in connection with the remodeling of the Union Loan Building, Toronto street ; the plumbing of the new factory of The Grant-Hamilton Oil Co., on Strachan avenue ; the plumbing of two houses on Langley avenue, for Frank Hillock ; the plumbing and heating of a residence in Rosedale for Hugh Munroe ; the plumbing of three houses in Parkdale, for John Laxton, and the plumbing in connection with the remodeling of a house on Wellesley street, for R. J. Christie.

A SEPTIC TANK RECOMMENDED.

Engineer Rust is recommending the erection of a plant for the treatment of sewage in that part of Toronto lying east of the Woodbine race course. He proposes the construction of a small septic tank and bacteria beds at the foot of Woodbine avenue. This place would take in that part of Toronto from the Woodbine to a point 1,220 feet east of Lee avenue and would cost about $35,000 besides an annual outlay for maintenance of about $600. This amount would include the construction of a drain for sewage only, the building of the septic tank and bed, and ejectors to lift the sewage at one or two points. A portion of the cost of this work could be avoided, Mr. Rust thinks, by constructing the proposed main intercepting sewer along Queen street.

A NEW CHURCH.

A new Methodist church will be built at Birr, Ont., at a cost of $4,000. The church proper will be 30 x 44 feet, with a 10 x 16 alcove for the choir. The Sunday school room in the basement will be 30 x 32 feet, with a meeting room in the rear 12 x 18 feet. The church will be heated by a furnace, lighted by acetylene gas, and have a seating capacity of 250. The exterior will be of white brick.

BUILDING OPERATIONS IN THREE TOWNS.

There will be quite a number of buildings constructed in the towns of Windsor, Walkerville, and Sandwich, Ont., this year.

In Windsor land is being bought for the erection of about 60 houses in the south-east portion of the town. They will be mostly frame cottages and two-storey buildings. A temple, for the Masons, and a new $20,000 public library building will also be constructed there as well as a new $40,000 town hall. The Roman Catholics may also build a church and two separate schools.

During the summer about 50 houses will be built in Walkerville, and a greater number at Sandwich.

NEW BLOCK IN VANCOUVER.

A new block will be erected at Vancouver shortly on Hastings street. It will be a three storey structure with a 50-ft. frontage. The basement will be equipped with Turkish baths, the ground floor will be divided into stores, the first floor into offices and the third floor will be a dancing hall. The plans are being prepared by Emil Guenther, architect, and work will be commenced on the building in a few weeks.

SOME BUILDING NOTES.

A Methodist church is to be built at Wakefield, Man.

A farmers' elevator is being constructed at Wolseley, Man.

A large summer hotel will be built at Lake Massasaga, Ont., this year.

A movement is on foot to erect a new Anglican church at Rossland, B.C.

The Roman Catholics of Rossland, B.C., are considering the erection of a church there.

A new business block is being commenced for R. J. Inglis on St. Catherine street, Montreal.

Dr. McGillvary is building a two-storey brick building for store and office purposes at Sydney, C.B.

The congregation of St. Stephen's Church, Winnipeg, will build a new church at a cost of $40,000.

A company with a capital of $20,000 has been formed for the construction of a summer hotel at Kincardine, Ont.

A new ten-roomed schoolhouse will be erected on the site of the present Mary-street school, Hamilton, Ont.

John Clapper is building a tenement house, and J. S. Fralick intends building a residence at Morven, Ont.

Farr & Lee and Edward Bros. will both erect buildings on Granville street, Vancouver, B.C., this summer.

The Ontario Fruit Package Co. are building an addition to their factory at Ingersoll, Ont.

C. F. Doe has taken out a building permit at London, Ont., for the erection of three brick cottages on Hyman street, for $4,000.

The Baptists are preparing to erect a new church at Durham, Ont. A new residence will also be erected there by the Rev. Mr. Newton.

PLUMBING AND HEATING NOTES.

Bridgewater, Ont., is putting in a waterworks system, and the clerk of the town is advertising that there is a good opening for a plumber there.

HARDWARE FIRM DISSOLVES.

The partnership that has heretofore existed between James J. Bambridge and W. A. Sherrin, hardware merchants, Souris, Man., has been dissolved and the business is being continued by James J. Bambridge and C. W. Miller, the latter having purchased Mr. Sherrin's interest in the firm, under the style of Bambridge & Co. This firm has been in business at Souris for eight years, carrying a $10,000 stock. They write to "Hardware and Metal" : "We have been profiting every month through reading your valuable journal."

A large Monarch brickmaking machine is being installed by The Mira Brick Co. at their works, Mira Ferry, near Sydney, C.B., and it is expected that the output of these works during the season will be about 3,000,000 bricks.

RAMSAYS VIENNA GREEN IS GREEN AND STAYS GREEN



Every painter wants a green generally that he can depend upon. Window blinds, doors, and all zinc trimmings must have **good** green. Ramsays Vienna Green is for good work. It is the richest, the finest ground, purest in tone, and the strongest of all the greens. Give your painters a green that will do good work, that will please their customers, and the difference of a cent or two in cost will not count. We have booklets to assist you.

A. RAMSAY & SON THE PAINT MAKERS
MONTREAL EST'D 1842

Gas Fixtures

We make Attractive Fixtures in

GAS . . .
ELECTRIC
COMBINATION

Catalogues to the Trade.

The James Morrison Brass Mfg. Co., Limited
89-97 Adelaide St. West, TORONTO.

STRONG, DURABLE and SENSITIVE

Fairbanks Standard Scales

Why buy cheap imitations when you can get the GENUINE STANDARD SCALE?

Scales to suit all purposes



THE FAIRBANKS COMPANY, - Montreal
747 and 749 Craig Street

LEADER CHURN

New Century Improvements

FOUR DIFFERENT STYLES:

A—Steel Frame with double reversible Steel Lever.
B—Wood Frame with double reversible Steel Lever.
C—Steel Frame with Crank.
D—Wood Frame with Crank.

Styles **A** *and* **B** *may be operated from a sitting or standing position.*

Steel Frames and Hoops beautifully ALUMINIZED.

All LEADER CHURNS are equipped with BICYCLE BALL BEARINGS and PATENTED CREAM BREAKERS.

Stands are so constructed that they are particularly strong and rigid, and there is nothing to interfere with the placing of pail in the most convenient position for draining off buttermilk.



It Pays to Have the Best. None are Better Than the Leader.

THE DOWSWELL MANUFACTURING CO., LIMITED, HAMILTON. ONT.

Eastern Agents: W. L. Haldimand & Son, Montreal, Que.

CUSSIN'—DISCUSSIN'

Dealers may avoid the former and have the satisfaction of hearing their customers discussing in terms of praise the goods that are right.

Always handle the best.

Satisfaction is assured if the Dowswell Manufacturing Co., Limited, are the makers of the goods you sell.



The New Century Washing Machine

This cut illustrates the latest and best machine for washing clothes yet invented

Having strong spiral springs and ball-bearings—the same as used in High-Grade Bicycles—very little effort is needed to do what with other means is hard work.

Nothing so easy—nothing so thorough—nothing less wearing on garments. It is perfection.

A customer says: "It has none but good points."

Another customer says: "It is a darling; washes a tubful in five minutes."

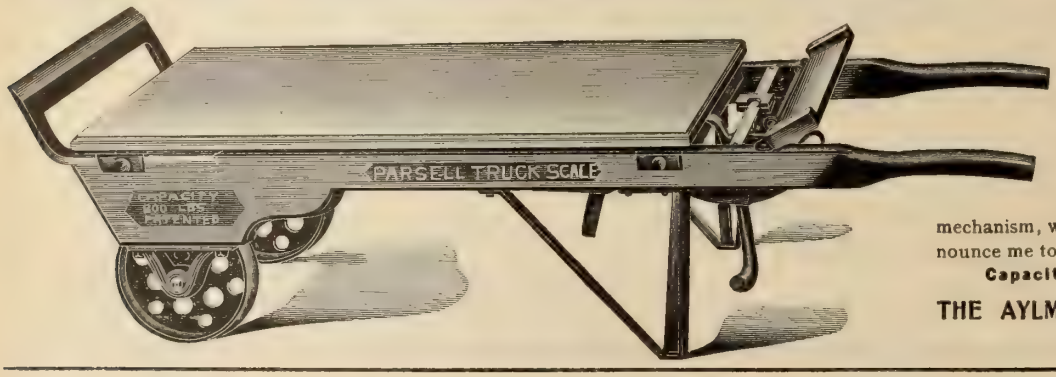
It is the **New Century Washer.**

Every Hardware Dealer should have them. They are not the cheapest, but are sellers, and will do all that is claimed

The operator can positively do the work, and without effort, while seated, and the machine is enclosed, retaining heat and vapor.

The Dowswell Manufacturing Co., Limited,
Sole Manufacturers in Canada. **Hamilton.**

I AM THE PARCELL DROP LEVER TRUCK SCALE.



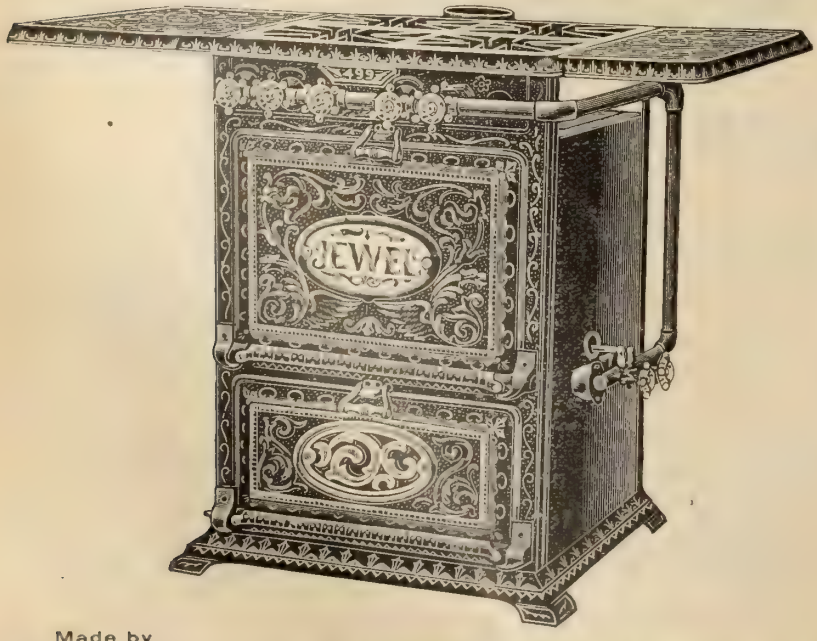
I HAVE no connection or relationship with any other Truck Scale. Do not condemn me because some other Truck Scale was not right, but give me a chance to prove to you that I am the most convenient scale made, and that I am perfectly correct and a first-class piece of mechanism, which I must be, as good inspectors pronounce me to be a first-class article.

Capacities: 800 lb., 1,200 lb., 1,600 lb.

THE AYLMER IRON WORKS CO., Limited
AYLMER, ONT.

It is not GAS . .

when we say that "Jewel" Gas Ranges give better satisfaction with less fuel than any other make.



FITTED WITH

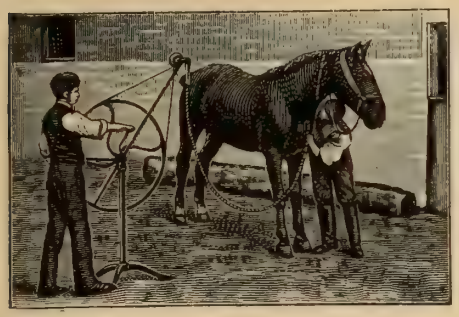
Removable Thimble Caps
Needle Valves
Adjustable Air Mixers
and
Slotted Burners

"JEWELS" will not puff or light back.
Good for the Dealer.
The Best for the User.

Made by
The Burrow, Stewart & Milne Company, Limited, Hamilton.

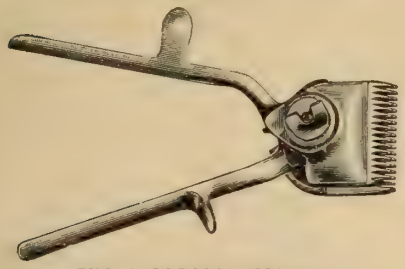
BURMAN & SONS' CELEBRATED CLIPPERS

Established 1871. BIRMINGHAM, ENG. for Horsemen and Barbers.



NO. 3—POWER CLIPPER, with "Wrist Joint."

As supplied to { The Czar of Russia. The King of Denmark. Earl Roberts, Etc., Etc.



THE "LEOPOLD" TOILET.

NO. 297.



THE "WARWICK" CLIPPER.
Cuts over three teeth.

As supplied to His Majesty's War Department.

SEND FOR PRICE LIST AND TERMS.

To be obtained from all the principal Jobbers throughout the Dominion.

What do you require in the way of

CANS?

We manufacture the very best quality of

Paint and Color Cans, round and square.
Varnish and Oil Cans. Paint Irons
Paint Packages. Lye Tins.

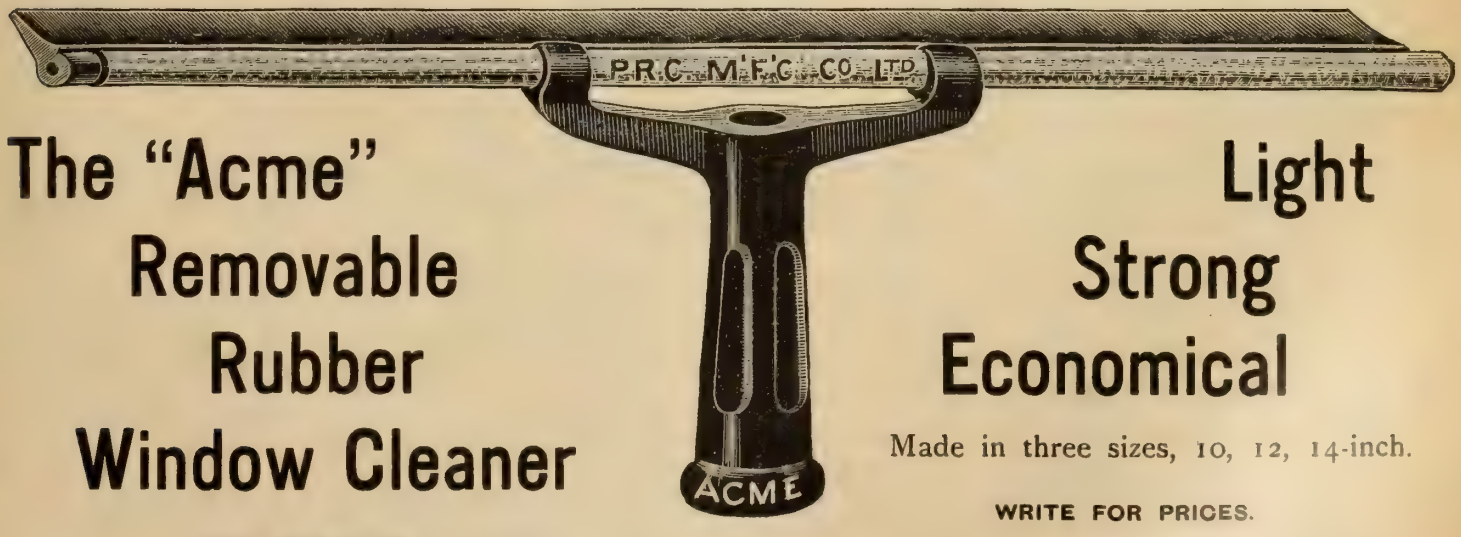
and every description of Tin or Can required by the trade. We shall be pleased to send you quotations for anything you need in our line.

The Acme Can Works,

OFFICE AND FACTORY:
Ontario St. and Jeanne D'Arc Ave.,
MONTREAL.

JAS. B. CAMPBELL. WILLIAM PRATT.

Let the Light Shine.



The "Acme" Removable Rubber Window Cleaner

Light Strong Economical

Made in three sizes, 10, 12, 14-inch.

WRITE FOR PRICES.

MADE ONLY BY

The P. R. Cumming Mfg. Co., Limited

Toronto.

P.S.—Catalogue on application.

The best for the purpose:—

In buying an article, it is always economy to procure the best for the purpose it is required. If you want a suit of clothes for hard and rough wear you would not think of getting a fine class of tweed or cloth; or a pair of boots for outdoor use to stand wet and rough usage, you would not buy a patent leather pair which would be suitable for indoor use. So with reference to horse nails, which have to stand the constant pounding on the roads of a heavy horse all day long, and the hard shocks and strains against all kind of obstructions, you want the very best material for this purpose, and made in the best way.

We make the "C" brand horse nails from the best material known or used in the world for making horse nails, and by our "hot-forged" process obtain the best results it is possible to get. The "C" horse nails will stand the most severe tests and hardest usage, and last longest as compared with any other nail.

Their first cost is a little more but they are worth the difference. It is only a trifle on a set of shoes, less than one cent for the 32 nails. In ordering demand our "C" brand if you want the best for the purpose of shoeing a horse.

Canada Horse Nail Company

MONTREAL.

INCREASED PIG IRON OUTPUT.

THE Iron Age in its last issue had the following summary of blast furnace capacity in the United States now in operation :

"Although, quite a considerable number of active furnaces have been forced to blow out for repairs, yet the capacity at work is larger than it has been. Owing to the fact that the figures for one large interest were based on February 1 and March 1, on rated capacity rather than on the actual output, although the latter was available, the capacity on those dates was placed too high. We have revised the figures as below.

"It looks as though we might after a while reach a monthly output of fully 1,300,000. As a matter of fact, we have been falling 40,000 to 50,000 tons a month short of this—in full months and with the plant keyed up to its best even moderate additions are not readily achieved.

"Stocks have now dwindled until they are insignificant.

"The weekly capacity of the furnaces in blast on April 1 compares as follows with that of the preceding periods :

	Total capacity per week. Gross tons.	Coke capacity per week.	Charcoal capacity per week.
April 1, 1902	337,424	331,140	6,284
March 1	323,028	316,039	6,989
February 1	332, 45	32[illegible],440	6,005
Janua y 1	298,460	291,992	6,468
December 1, 190[illegible]	324,761	3[illegible]7,358	7,403
November 1	320,824	313,775	7,049
October 1	307,982	300,538	7,444
Septemt er 1	299,861	293,256	6,605
August 1	303,847	297,269	6,578
July 1	310,950	303,793	7,157
June 1	314,505	306,991	7,514
May 1	301,125	293,915	7,210
Ap il 1	296,676	288,766	7,910

FURNACE STOCKS :

"The position of furnace stocks, sold and unsold, as reported to us, was as below on April 1, as compared with the five preceding months, the same furnaces being represented as in former months. This does not include the holdings of the steel works producing their own iron :

Stocks—	Nov. 1.	Jan. 1.	Mar. 1.	Apl. 1,
Anthracite and coke	223,089	179,993	96,315	69,974
Charcoal	50,162	38,091	29,030	24,289
Total	273,251	218,084	125,348	94,263

BOUNTY ON ARSENIC.

The request of the large delegation of mining men from Central Ontario who waited on the Dominion Government recently, asking for a bounty on arsenic, will be granted. The sum of $150,000 will be donated, spread over a period of seven years, on a basis of so much per ton. This grant is conditional upon the Ontario Government voting $100,000 to assist the industry, in place of the $50,000 adopted by the last Legislature.

THIS SPACE IS RESERVED BY **THE CANADA PAINT COMPANY,** LIMITED. OWING TO THE PRESS OF BUSINESS THEY HAVE BEEN UNABLE TO FORWARD THE USUAL WEEKLY ADVERTISEMENT.

Persons addressing advertisers will kindly mention having seen their advertisement in The Canadian Hardware and Metal Merchant.

Canadian Wringer Co.

Manufacturers of the following

CLOTHES WRINGERS

Queen, Eureka,
Royal Canadian, New Eureka,
New Metropolitan, Stone,
New Lightning, Jubilee Ball Bearing
Etc., Etc.

All our Rolls are of Solid White Rubber and Vulcanized to Shaft. . . . Send for Catalogue and Discounts.

16 SHEPPARD STREET, TORONTO.

TOOLS

We make tools required by

Stone Workers, Cement Workers, Paving, Building, Sewer and Railroad Contractors.

Likewise Special Wrought Iron or Steel Work to drawings. Estimates promptly furnished for any quantity. You ought to know our advantages. Correspondence solicited.

W. H. ANDERSON & SONS,

Factory and Main Office— DETROIT, MICH.
Canadian Branch, with Eureka Planter Co., WINDSOR, ONT.

GALVANIZING

Our plant is modern, and capacity large. Prices O.K. Other branches:

WINDMILLS, PUMPS, TANKS, FOUNDRY WORK, ETC., ETC.

Ontario Wind Engine & Pump Co, Limited, 505 Atlantic Ave., Toronto.

Buy the Best.



HERCULES

Sash Cord.

Star Brand Cotton Rope
Star Brand Cotton Clothes Lines
Star Brand Cotton Twine

For Sale by all Wholesale Dealers

Bargains in Second Hand Machinery.

LATHES.

60 x 20 Wilmarth triple geared very heavy.
49 x 14 Fitchburg Plain turning C. R. & P. C. F.
48 x 21 Harrington triple grd., C. R. & P. C. F.
44 x 24 Betts triple grd., C. R.
42 x 19 x 20 Fish, triple grd.
30 x 15 Fish C. R. & P. C. F.
27 x 8′ 6″ D. W. Pond, C. R. & P. C. F., good.
27 x 18 Lodge & Shipley, C. R. & P. C. F.

SCREW MACHINES.

⅝, ⅞ and 2″ Cleveland auto, A1.
Lot of No. 1 and No. 2 P. & W. hand.
No. 0, No. 1 and No. 2 P. & W. double turret, auto.
20 x 7 Fay & Scott, univ.
15 x 6 Jones & Lamson turret.

SHAPERS.

24″ Walcott shifting belt.
18″ Wright friction.
20″ Chase friction.
Lot of trav. hd. shapers, different sizes.

PLANERS.

51 x 50 x 18 second-hand planer, 1 hd., good.
30 x 30 x 8 Whitcomb, 1 hd., good.
30 x 30 x 8 L. W. Pond, 3 hds, good as new.
24 x 28 x 6 hendey planer, all feeds.
24 x 24 x 6 Powell 1 hd., good.

DRILLS.

6′ arm univ. radial heavy pat.
Pond Machine Tool Co.'s radial drill.
Pond Machine Tool Co.'s heavy suspension, A1.
4′ arm Betts radial.
40″ Gleason upright, B. G. & P. F.
42″ Cin. ditto.
40″ Michigel upright.
25″ Gould & Eberhardt, B. G. & P. F., good.

MILLING MACHINES.

No. 3 Cin. univ., without hd.
18- No. 2 P. & W. Lincoln pattern miller's, good.
Heavy Pedrick & Ayer univ., all feeds.
4 No. 2 B. & S. plain miller's, good as new.
2 No. 1 B. & S. dittos.

MISCELLANEOUS.

No. A ¼ New Doty punch and shear, 9″ throat.
Lot of friction board drop hammers, Nos. 400 to 1700.
No. 600 P & W. drop hammer.
Small No. 400 steam hammer.
200-ton vert. hydr. press.

Also large assorted stock of other tools. Send for complete list.

PRENTISS TOOL & SUPPLY CO.
115 Liberty St., NEW YORK, N.Y.

BUFFALO—507 D. S. Morgan Bldg.
BOSTON—200 Franklin St.
PITTSBURG—120 First Ave.
Address all inquiries to Dept. No. 5.

FRANK MILLER'S

HARNESS PREPARATIONS.

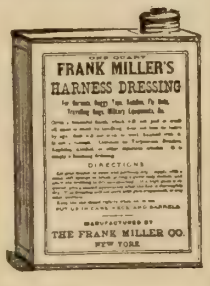
FRANK MILLER'S

HARNESS DRESSING

Recognized as

"THE STANDARD."

Produces a brilliant jet-black gloss which will not peel or smut and to which dirt will not stick.





Frank Miller's

Harness Soap

Unrivaled for cleaning and softening Harness. Put up in cakes, pans, boxes and tubs.

FRANK MILLER'S

Harness Oil.

Preserves and softens the leather, thus adding life.

The highest quality of oil on the market.



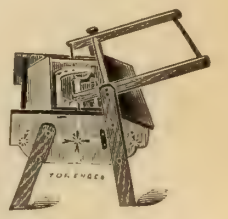


"DAISY" CHURN

Has tempered steel cased bicycle ball bearings, strongest, neatest and most convenient frame. Only two bolts to adjust in setting up. Steel Bow Levers, suitable for either a standing or sitting posture. Has four wheels and adjustable feet to hold stand steady while churning. When churn is locked to stand the bow can be used as handles to move it about on the front wheels as handy as a baby carriage. Open on both sides to centre, giving free space for pail. Made with wood or steel stands, with Cranks only, or Bow Levers as desired.

Vollmar Perfect Washer

Has a most enviable record. A perfection of its kind—will wash more clothes in less time, do it better and easier, with less wear and tear, than any other machine.



THE

Wortman & Ward Mfg. Co.,

Limited

LONDON, ONT.

Eastern Branch, 60 McGill Street, Montreal, Que.

The Grey and Bruce Portland Cement Company of Shallow Lake, Limited,

Manufacturers of

"HERCULES" BRAND OF

Portland Cement

Unsurpassed for Sidewalks, Floors, and all work requiring the Highest Grade of Portland Cement.

HEAD OFFICE: OWEN SOUND.



A BRIEF HISTORY OF STREET GAS.

THE beginning of the last century, says Scientific American, was marked by an invention which, although of no apparent promise at first, did much to change our methods of illumination. The invention in question was the industrial production of gas from vegetable and mineral fuels, and was the culmination of a series of investigations instituted by the French engineer, Philippe Lebon d'Hambersin, whose name is now almost forgotten.

Combustible gases were known before Lebon's day. The existence of gaseous fluids was known, even to the ancients, notably atmospheric air. Other gases were recognized by their effects upon various bodies. Carbon dioxide, for example, was a familiar gas by reason of its destructive effects; combustible marsh gas was also known. Coal-mining, with which mankind has been more or less familiar for thousands of years, undoubtedly revealed combustible gases; but since there were no means of ascertaining the chemical nature of these gases, they were simply regarded as modifications of ordinary air, which had acquired new properties.

Van Helmont was the first who discovered the existence of gaseous fluids of constant chemical composition — fluids which were to be sharply distinguished from ordinary air, and which he called "gases." The name applied by Van Helmont to these fluids is still used to-day in modern chemistry. In the Philosophical Transactions of 1667, a spring in the vicinity of Wigan, Lancashire, is described from which inflammable air arose. In the volume of the Transactions for 1733 a gas is mentioned, which was produced in a coal mine in Cumberland, and which was collected in a vessel in such a manner that it could be ignited by means of a burner-pipe.

Nothing more was done to ascertain the nature of these combustible gases until Dr. John Clayton distilled hard coal in a closed vessel and obtained a black oil and a constant gas, which latter he collected separately in a closed vessel, from which burner-tubes led. An account of these experiments may be found in the Philosophical Transactions for 1739.

After a series of experiments with vegetable material, Dr. Hales found that fully a third of a distilate of oil was lost in the form of an inflammable vapor.

Watson, Bishop of Llandaff in 1767, studied the nature of this vapor and of the gaseous products of the distillation of coal. He found that the volatile product could be ignited, not only as it was discharged from the distilling apparatus, but that the inflammable properties were preserved even after the gas passed through water and through two long coils of pipe. Watson's constant products were obtained from ammoniacal fluids, from a viscid, tar-like oil, and a spongy coal which we now call coke. These were only laboratory experiments, for the purpose of determining the constituents of the oil. No one dreamed of practically using the volatile inflammable products.

The first investigator who laid claim to the discovery of illuminating gas was undoubtedly Philippe Lebon. The idea of using carbureted hydrogen gas for illuminating purposes seems to have had its birth in Paris in 1786. But the laboratory experiments made in England and France up to the year 1799 yielded no practical results. In the year VIII. of the Republic (1799) Philippe Lebon, who at that time was well known for his improvements in steam engines, described an invention for the utilization of inflammable gas as an illuminant. Lebon generated his carbureted hydrogen gas by distilling wood, obtaining as a by-product tar, wood alcohol and all the other substances found in a retort after the destructive distillation of vegetable material. The first carbureted hydrogen apparatus was installed at Havre for the illumination of the lighthouse. In the same year Lebon took out a patent on his invention. He exhibited his apparatus at his house between 1799 and 1802. The odor of illuminating gas, when it first comes out of the retort, is by no means agreeable. Frenchmen, therefore, immediately condemned the new system of illumination.

In order to overcome this objection as well as others, and to make the invention of Lebon more practicable, it was necessary to wash the gas. Had Lebon not died in the midst of his labors, he would undoubtedly have devised a method of ridding the vapors of some of their impurities. His widow in the year X of the Republic received a patent on an improved process. She died soon after her husband.

Lebon's memorial was published in 1801, and bore the title "Thermo Lamps or Stoves, which Heat and Light Cheaply and which generate Power, useful for all Machines." Lebon's invention was developed in England, and was first practically utilized in that country by an engineer named Murdoch, in Soho, near Birmingham, at the large factory of James Watt, the inventor of the steam engine. In 1802 the entire facade of this large building was illuminated by gas in honor of the peace of Amiens. Shortly after this event a German named Winsor, who had translated Lebon's memorial into German, came to London, collaborated with Murdoch, and received from King George the exclusive privilege of lighting London by gas. On July 16, 1816, his privilege was confirmed by Parliament; and by 1823 England had adopted gas.

After Winsor had assured himself of the success of gas illumination in England, he went to France in 1815, rented an establishment in the Passage des Panoramas, and in a short time had the whole Passage lit by gas as well as the Palais Royal. After these successes, Winsor succeeded in founding a company, which was, however, by no means successful. Other companies soon followed, and in a short time gas became one of the most-widely used illuminants.

Lebon was born in Brachay (Departement Haute Marne) in May, 1767. He studied in Paris, and graduated from the Ecole des Ponts et Chaussees. As we have already remarked, his first scientific successes were achieved in the field of steam engineering. His improved steam engine received a prize of 2,000 livres in 1792. Lebon was murdered on December 2, 1804, under circumstances that have never been cleared up.

A number of tinsmiths from the surrounding districts held a meeting on April 3, at Winchester, Ont., to form a protective association and to take steps to regulate prices and prevent manufacturers from selling a certain class of goods to general stores.

Apollo galvanized iron commands more money and shorter credit—at wholesale —than any other—but saves the worker money.

American Sheet Steel Company, New York

Representatives for Canada
E. & S. H. Thompson & Company
53 St. Sulpice Street
Montreal

SOMETHING NEW

Caldwell Lightning Auger Bits.



Patented May 21, 1901.

This bit will bore two holes in less time than it takes to bore one with any other bit.

AGENTS:

Caverhill, Learmont & Co., - - - - Montreal.
Wood, Vallance & Co., - - - - - Hamilton.
Geo. D. Wood & Co., - - - - - Winnipeg.

CURRENT MARKET QUOTATIONS

April 18, 1902.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag and Straits—	
56 and 28 lb. ingots, 100 lb.	31 00 31 00

Tinplates.

Charcoal Plates—Bright

M.L.S. equal to Bradley	Per box
I.C., usual sizes	$6 75
I.X., "	8 25
I.X.X., "	9 75
Famous, equal to Bradley—	
I.C.	6 75
I.X	8 25
I.X.X	9 75
Raven & Vulture Grades—	
I.C., usual sizes	5 00
I.X., "	6 00
I.X.X "	7 00
I.XXX., "	8 00
D.C., 12½x17	4 50
D.X	5 25
D.X.X	6 00

Coke Plates—Bright

Bessemer Steel—	
I.C., usual sizes	4 25
I.C., special sizes, base	4 75
20 x 28	9 00

Charcoal Plates—Terne

Dean or J. G. Grade—	
I.C., 20x28, 112 sheets	8 50
I.X., Terne Tin	10 50

Charcoal Tin Boiler Plates

Cookley Grade—	Per lb.
X X., 14x56, 5 shee bxs	0 06½
" 14x60, "	
" 14x65, "	

Tinned Sheets

72x30 up to 24 gauge	0 07½
" 26 "	0 08

Iron and Steel.

Common Bar, per 100 lbs	1 95 2 05
Refined "	2 45
Horse Shoe Iron "	2 40
Hoop steel, 1½ to 3 in. base,	2 90
Sleigh Shoe Steel " base	2 10
Tire Steel	2 30 2 50
Reeled Machinery	3 00
Toe Calk Steel	2 85 3 00
T. Firth & Co's tool steel, per lb	0 12½ 0 13
Jessop's tool Steel	0 14
Morton's tool steel	0 12½ 0 13
Black Diamond and "B.C," tool steel	0 10 0 11
Chas. Leonard's tool steel	0 08 0 09
Drill Steel, per lb	0 08 0 10

Boiler Tubes.

1½-inch	0 12½
"	0 13
2½ "	0 15
3 "	0 16
3½ "	0 20
4 "	0 25

Steel Boiler Plate.

¼ inch	2 50 2 60
5-16 inch	2 60 2 70
⅜ inch and thicker	2 50 2 60

Black Sheets.

	Com.	D.Fl.
18 gauge	2 85	3 00
20 gauge	2 85	3 00
22 to 24 "	2 95	3 25
26 "	3 05	3 50
28 "	3 15	

Copper Ware.

Discount, 50 per cent.

Canada Plates.

All dull, 52 sheets	3 00
Half polished	3 10
All bright	3 75

Iron Pipe.

Black pipe—	Per 100 Feet.
⅛ inch	3 00
¼ "	2 50
⅜ "	2 75
½ "	3 00
¾ "	3 70
1 "	5 15
1¼ "	7 40
1½ "	8 90
2 "	12 40
2½ "	24 00
3 "	28 0
3½ "	36 00
4 "	43 00
4½ "	50 00
5 "	57 00
6 "	73 00

Galvanized pipe—	
¼ inch	3 30
⅜ "	3 55
½ "	4 00
¾ "	5 25
1 "	7 25
1¼ "	10 10
1½ "	12 15
2 "	16 70

Discount 4 per cent.

Malleable Fittings—Discount 40 p.c.

Cast Iron Fittings—

Plugs, brushings, unions, and nipples, discount 65 p.c.

All others—discount 60 p.c.

Galvanized Sheets.

	G C. Comet.	Amer.	Queen's Head.
16 gauge			
18 to 24 gauge	4 05 3 75		4 05
26 "	4 25 4 00		4 25
28 "	4 50 4 25		4 50

Less than case lots 10 to 15c. extra.

28 gauge American equals 26 gauge English.

Chain.

Proof Coil, 3-16 in., per 100 lb	
" ¼ " "	7 85 8 10
" 5-16 " "	4 95 5 25
" ⅜ " "	4 35 4 60
" 7-16 " "	4 15 4 40
" ½ " "	4 00 4 25
" 9-16 " "	3 90 4 15
" ⅝ " "	3 80 4 05
" ¾ " "	3 85 4 10

Halter kennel and post chains, 40 to 40 and 5 p.c.

Cow ties	40 p.c.
Tie-out chains	65 p.c.
Stall fixtures	35 p.c.
Trace chain	45 p.c.

Jack chain, iron, single and double discount 35 p.c.

Jack chain, brass single and double, discount 40 p.c.

Copper.

	Ingot	Per 100 lb.
English B S., ton lots		15 00
Lake Superior		

Bars.

Cut lengths round, ½ to ⅞ in.	23 00 25 00
" round and square 1 to 2 inches	23 00 25 00

Sheet.

Plain, 14 oz., and light, 16 oz., 14x48 and 14x60	22 00 22 50
Plain, 14 oz., and light, 16 oz., irregular sizes	22 50 23 00
Tinned copper sheets	24 00
Planished	32 00

Braziers (In sheets.)

4x6ft. 25 to 30 lbs. ea., per lb.	0 23
" 35 to 45 " "	0 22
" 50-lb. and above, "	0 21

Boiler and T. K. Pitts

Plain Tinned, per lb	0 28
Spun, per lb	0 32

Brass.

Rod and Sheet, 14 to 30 gauge, 15 per cent.	
Sheets, hard-rolled, 2x4	0 23
Tubing, base per lb	0 23½

Zinc Spelter

Foreign, per lb	5 50 6 00
Domestic "	

Zinc Sheet.

5-cwt. casks	6 00 6 25
Part casks	6 25 6 50

Lead.

Imported Pig, per 100 lb	3 50 3 75
Bar, b	0 06
Sheets, 2½ lbs. sq. ft., by	0 06¼
Sheets, 3 to 6 lbs., "	0 06

NOTE.—Cut sheets ½ cent per lb. extra.

Pipe, by the roll, usual weights per yard, lists at 7c. per lb. and 37½ p.c. dis. f.o.b. Toronto.

NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths lists at 7½ cents.

Shot.

Common, $6.50 per 100 lb.; chilled, $7.00 per 100 lb.; buck, seal and ball, $7.50. Discount, 22½ p.c. Prices are f.o.b. Toronto, Hamilton, Montreal, St. John and Halifax. Terms 3 per cent. cash, freights equalized.

Soil Pipe and Fittings.

Discount, 60 p.c. on medium and extra heavy, and 55 p.c. on light soil pipe; 60 p.c. discount on light soil pipe fittings, and 60 and 10 p.c. on medium and extra heavy.

Solder.

	Per lb.	Per lb.
Bar half-and-half, guarant'd		0 19
Bar half-and-half, commer'l		0 18½
Refined		0 18
Wiping		0 17½

Antimony.

Cookson's, per lb	0 10

White Lead.

	Per 100 lb.
Pure	5 87½
No. 1	5 50
No. 2	5 12½
No. 3	4 75
No. 4	4 37½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B B. Genuine	7 00
" No. 1	6 00

Red Lead.

Genuine, 560 lb. casks, per cwt.	$4 75
Genuine, 100 lb. kegs, per cwt.	5 00
No. 1 560 lb. casks, per cwt.	4 25
No 1, lb kegs, per cwt	4 50

White Zinc.

Extra Red Seal	0 06 0 08
No. 1	0 05½ 0 07
No. 2	0 05 0 06

Dry White Lead.

Pure, casks	5 25
Pure, kegs	5 50
No. 1, casks	5 00
No. 1, kegs	5 25

Prepared Paints

In ¼, ½ and 1 gallon tins.

Pure, per gallon	1 25
Second qualities, per gallon	1 10
Barn (in bbls.)	0 60 0 90
The Sherwin-Williams Paints	1 40
Canada Paint Co's Pure	1 25
Toronto Lead & Color Co's Pure	1 25
Sanderson Pearcy's Pure	1 20
Stewart & Wood's Champion Pure	1 20

Colors in Oil.

25 lb. tins, Standard Quality.

Venetian Red, per lb	0 04½ 0 06
Chrome Yellow	0 12 0 14
Golden Ochre	0 08 0 10
French "	0 06
Marine Black	0 09
Chrome Green	0 10
French Imperial Green	0 12
Sign Writers' Black	0 16
Burnt Umber	0 11
" Sienna	0 11
Raw Umber	0 11
" Sienna	0 11

Colors, Dry.

Common Ochre bbls	1 20	1 30
Yellow Ochre J.F.L.S.), bbls		2 00
Yellow Ochre (La Belle)	1 15	1 25
Brussels Ochre		2 00
Venetian Red (best), bbl	1 75	2 00
English Oxides, per cwt.	3 00	3 25
American Oxides, bbls	1 25	2 00
Canadian Oxides, bbls	1 25	1 75
Super Magnetic Oxides, 93p.c.	2 00	2 25
Burnt Sienna, pure, per lb		0 10
" Umber, "		0 10
Raw do		0 09
Drop Black, pure		0 09
Chrome Yellows, pure		0 18
Chrome Greens, pure, per lb.	0 19	0 10
Golden Ochre	0 04	0 05
Ultramarine Blue in 28-lb. boxes, per lb	0 06	0 18
Fire Proof Mineral, per 100 lb		1 00
Genuine Eng. Litharge, per lb		0 07
Mortar Color, per 100 lb	1 25	1 50
Pure Indian Red, No. 45 lb.	0 18	0 10
Whiting, bbl	0 55	0 60
English Vermillion in 20-lb. bags.		0 95

Paris Green.

	per lb.
Petroleum Casks	
Arsenic Kegs	
50-lb. and 100-lb. drums	
25-lb. drums	
1-lb packages	
½-lb. do	
1-lb tins	
½-lb do	

F. O. B. Toronto. Terms—3 p. c. off 30 days, or 4 mor. from date of delivery.

Blue Stone.

Casks, for spraying, per lb	0 07
100-lb. lots, do. per lb	0 08

Putty.

Bulk in bbls.,	1 90
Bulk in less quantity	2 05
Bladders in bbls	2 25
Bladders in kegs, boxes or loose	2 40
Bladders in 25-lb. tins	2 35
Bladders in 12½-lb. tins	2 65
Bladders in bulk or tins less than 100 lb	2 90

Varnishes.

	In 5-gal. lots. Per Gal	net.
Carriage, No. 1	1 50	1 60
Pale Durable body	4 10	4 25
" rubbing	2 85	3 20
Gold Size, Japan	2 85	3 10
No. 1 Brown Japan	0 85	0 90
Elastic Oak		1 50
Furniture, extra		1 25
" No. 1		1 10
Hard Oil Finish	1 65	1 75
Light Oil Finish	1 40	1 60
Demar	1 70	1 85
Shellac, white	2 3	2 45
" orange	2 25	2 35
Turpentine Brown Japan	1 15	1 20
" Black Japan	0 85	1 20
" " No. 1	0 50	0 75

Elastilite Varnish 1 gal. can, each, $2 00.

Granitine Floor Finish per gal., $2.75.

Maple Leaf Coach Enamels; Size 1, $1 20 Size 2, 70c. Size 3, 40c. each

Sherwin-Williams Copal Varnish, assorted case, from ½ pts. to 1 gal., $2 50

Castor Oil

East India, in cases, per lb	0 09½ 0 10
" " small lots	0 10 0 10½

Cod Oil, Etc

Cod Oil per gal	0 50 0 55
Pure Olive	1 20
" Neatsfoot	90

Glue.

Common	0 08½ 0 09
French Medal	0 14 0 14½
Cabinet sheet	0 12 0 13
White, extra	0 18 0 20
Gelatine	0 22 0 30
Strip	0 18 0 20
Coopers	0 19 0 20
Huttner	0 18

JOSEPH RODGERS & SONS

Limited

SHEFFIELD, ENGLAND.

Each blade of our Goods bears the exact mark here represented.



JAMES HUTTON & CO., MONTREAL

SOLE AGENTS IN CANADA.

HARDWARE.

Ammunition.

Cartridges.

B. B Caps Dom. 50 and 5 per cent.
Rim Fire Pistol, dis 40 p. c., Amer
Rim Fire Cartridges, Dom., 5 0 and 5 p. c
Central Fire Pistol and Rifle 10 p.c. Amer.
Central Fire Cartridges, pistol sizes Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 per cent.
Central Fire, Military and Sporting, Amer. add 5 p.c. to list. B.B. Caps, discount 40 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 10 p.c. advance on list.
Brass Shot Shells, 55 per cent.
Primers, Dom., 30 per cent.; American, $1.60.

Wads	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb. bags	70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 5
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	

Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 20 per cent.

Anvils.

Wright's, 80-lb. and over		0 10¾
Hay Budden, 80-lb. and over		0 09¼
Brook's, " "		0 11¼

Augers.

Gilmour's discount 65 and 5 p.c. off list.

Axes.

Chopping Axes		
Single bit, per doz	5 50	10 00
Double bit, "	11 00	18 00
Bench Axes, 40 p.c.		
Broad Axes, 25 per cent.		
Hunters' Axes	5 50	6 00
Boys' Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Axle Grease.

Ordinary, per gross	5 75	6 00
Best quality	13 00	15 00

Bath Tubs.

Zinc	6 00
Copper, discount 15 p.c. off revised list	

Baths.

Standard Enameled.

5½-inch rolled rim, 1st quality	25 00
" " " 2nd "	21 00

Anti-Friction Metal.

"Tandem" A per lb.	0 27
" B "	0 21
" C "	0 11½
Magnolia Anti-Friction Metal, per lb	0 25
Frictionless metal, per lb	0 23

SYRACUSE SMELTING WORKS.

Aluminum, genuine	0 41
Dynamo	0 27
Special	0 22
Aluminum, 99 p.c. pure "Syracuse"	0 45

Bells.

Hand

Brass, 60 per cent.
Nickel, 55 per cent.

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Door.

Gongs, Sargant's	5 50	8 00
" Peterboro', discount 45 per cent		

Farm.

American, each	1 25	3 00

House.

American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00
Blacksmiths', discount 40 per cent.		

Belting.

Extra, 60 per cent.
Standard, 60 and 10 per cent.
No. 1, not wider than 6 in., 60 10 and 10 p.c.
Agricultural, not wider than 4 in., 75 p.c.

Bits.

Auger.

Gilmour's, discount 60 and 5 per cent.
Rockford, 50 and 10 per cent.
Jennings' Gen. net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind and Bed Staples.

All sizes, per lb	0 07¾	0 12

Bolts and Nuts.

	Per cent.
Carriage Bolts, common ($1 list)	55
" " full square ($2.40 list)	55
" " Norway iron ($3 list)	50
Machine Bolts, all sizes	50 and 5
Plough Bolts	50 and 5
Blank Bolts	50 and 5
Bolt Ends	50 and 5
Sleigh Shoe Bolts	65 and 5
Coach Screws, cone point	66⅔

Nuts, square, all sizes, 3½c per lb off.
Nuts, hexagon, all sizes, 3¾c. per lb. off.
Stove rods, per lb. 5½ to 6c.
Nuts, in 50 lb. lots ¼c. per lb extra, in less than 50 lb. lots, ½c extra.

Boot Calks.

Small and medium, ball, per M	4 25
Small heel, per M	4 50

Bright Wire Goods.

Discount 62½ per cent

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent

Henis, No. 8		6 00
Henis, No. 9, "		7 00
Queen City "	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Butcher Knives.

Bailey's, per doz	0 60	6 30

Building Paper, Etc.

Tarred felt, per 100 lb	1 70
Ready roofing, 2-ply, not under 45 lb. per rol	85
Ready roofing, 3-ply, not under 65 lb. per roll	1 10
Carpet felt, per ton	45 00
Dry sheathing, per roll, 400 sq. ft	30
Tar sheathing, " " "	40
Dry fibre " " "	50
Tarred fibre, " " "	60
O.K. & I.X.L., " " "	65
Resin-sized, " " "	40
Oiled sheathing, " 600 "	1 10
" " " 400 "	70
Roof coating in barrels, per gal	17
" " small packages	25
Refined tar, per barrel	4 50
Coal tar, "	4 00
Coal tar, less than barrels, per gal	15
Roofing pitch, per 100 lb	85

Bull Rings.

Copper, $2.00 for 2½ in. and $1.90 for 2 in.

Butts.

Wrought Brass net revised list.

Cast Iron.

Loose Pin, dis., 60 per cent.

Wrought Steel

Fast Joint, dis. 65, 10 and 2½ per cent.
Loose Pin, dis. 65, 10 and 2½ per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.

Gen. Bronzed, per pair	0 40	0 65

Carpet Stretchers.

American, per doz	1 00	1 50
ullard's, per doz	6 50	

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	8 50	9 50

Cement.

Canadian Portland	1 90	2 75
English "	3 00	3 15
Belgian "	2 50	2 75
Canadian hydraulic	1 25	1 50

Chalk.

Carpenters Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 70 per cent.
Warnock's, dis. 70 per cent.
P. S. & W. Extra 60, 10 and 5 p.c.

Churns.

Revolving Churns, metal frames—No. 0, $8—No. 1, $8.50—No. 2, $9.00—No. 3, $10.00—No. 4, $12.00—No. 5, $16.00 each. Ditto, wood frames—20c. each less than above.
Discounts: Delivered from factories, 56 p.c.; from stock in Montreal, 54 p.c.
Terms, 4 months or 3 p.c. cash in 30 days

Clips.

Axle dis. 65 per cent.

Closets.

	Net.
Plain York or Ontario Syphon Jet.	$9 60
Emb. York or Ontario Syphon Jet.	10 20
Fittings	1 00
Plain Elgin or Teu. Syphon Washout	6 00
Emb. Elgin or Teu. Syphon Washout	6 60
Fittings	1 25
Low Down Elgin or Teutonic, plain	9 60
" " " emb.	10 20
Plain Richelieu	4 00
Emb. Richelieu	4 25
Connections	1 25
Low Down Ont. Sy. Jet, plain	11 70
" " " " " emb'd.	12 30
Closet connection	1 25
Basins P.O., 14 in.	0 70
" oval 17 x 14 in.	1 50
" " 19 x 15 in.	2 25

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Conductor Pipe.

Plain or Corrugated.

2-inch, per 100 feet	3 00
3 " " "	4 00
4 " " "	5 25
5 " " "	6 75
6 " " "	9 00

Cradles, Grain.

Canadian, dis. 25 to 33⅓ per cent.

Crosscut Saw Handles.

S. & D., No. 3, per pair	17½
" " 5, "	22½
" 6, "	15
Boynton pattern "	20

Door Springs.

Torrey's Rod, per doz	(15 p.c.	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Coach and Wagon, dis. 50 and 10 per cent
Carpenters, dis. 70 per cent.

Drills.

Hand and Breast

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis., 37½ to 40 per cent.
Standard dis. 50 and 5 to 55 per cent.

Faucets.

Common, cork-lined, dis. 35 per cent.

EAVE TROUGH.

10-inch, per 100 ft	$3 10

ELBOWS. (Stovepipe.) per doz

5 and 6-inch, common	1 20
7-inch	1 35

Polished, 15c. per doz. extra.

ESCUTCHEONS.

Discount, 40 per cent.

ESCUTCHEON PINS.

Iron, discount 40 per cent.

FACTORY MILK CANS.

Discount off revised list, 40 per cent.

FILES AND RASPS.

Great Western	70 and 10	per cent.
Arcade	70 " 10	"
Kearney & Foot	70 " 10	"
Diston's	70 " 10	"
American	70 " 10	"
J. Barton Smith	70 " 10	"
McClellan	70 " 10	"
Eagle	70 " 10	"
Nicholson, 60 and 10 to 60, 10 and 5		"
Royal	80	"
Globe	70 to 75	"

Black Diamond, 60 and 10 to 60, 10 and 5 p.c.
Jowitt's, English list, 25 to 27½ per cent.
Nicholson File Co.'s "Simplicity" file handle per gross, 85c. to $1.50.

GLASS—Window—Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	D. Diamond Per 50 ft.	D. Diamond Per 100 ft.
Under 26	2 20	4 25	....	6 25
26 to 40	2 40	4 65	....	8 75
41 to 50	....	5 10	....	7 50
51 to 60	....	5 35	....	8 50
61 to 70	....	5 75	....	9 75
71 to 80	....	6 25	....	11 00
81 to 85	....	7 00	....	12 55
86 to 90	....	7 75	..	15 00
91 to 95	..	....	...	17 50
96 to 100	.. ..	....	.. ..	20 50

GAUGES

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's Nos. 26 to 33, each	1 65	2 40

HALTERS.

Rope, ⅜ per gross	....	....
" ½ "	....	9 00
" ⅝ to ¾	....	14 00
Leather, 1 in., per doz	$ 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

Maydole's, dis. 5 to 10 per cent	Can.	dis.
25 to 27½ per cent.		

Tack.

Magnetic per doz	1 10	1 10

Sledge.

Canadian per lb	0 07½	0 08½

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz. net	1 50	2 00
Store door, per doz	1 00	1 50

Fork.

C. & B., dis. 40 per cent. rev. list.

Hoe.

C. & B., dis. 40 per cent. rev. ist.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 75

Hammer and Hatchet.

Canadian, 40 per cent.

Cross-Cut Saws.

Canadian, per pair	0 13¾

HANGERS.

	doz. pairs.	
Steel barn door	5 85	6 00
Stearns, 4 inch	....	5 00
" 5 inch	....	6 50
Lane's covered—		
No. 11, 5-ft. run	....	8 40
No. 11½, 10-ft. run	....	10 80
No. 12, 10-ft. run	....	12 60
No. 14, 15-ft. run	....	21 00
Lane's O.N.T. track, per foot	....	4½

HARVEST TOOLS

Discount, 60, 10 and 10 per cent.

HATCHETS

Canadian, dis. 40 to 42½ per cent.

STICKY TARRED PAPER.

Most of you have had more or less trouble owing to Tarred Paper sticking, and we admit we used to make some of that kind ourselves. During the last five years we have had only two complaints, and in both cases the sticky Tarred Paper complained about had neither been manufactured nor sold by us.

Our Registered Brands are: **"Red Star", "Anchor," "O.K." and "Victoria."** Don't you think you had better handle them?

THE PATERSON MFG. CO., Limited, TORONTO and MONTREAL.

HINGES.

Blind, Parker's, dis. 50 and 10 to 60 per cent.
Heavy T and strap, 4-in., per lb.... 0 06½
" " 5-in., " 0 06¼
" " 6-in., " 0 06
" " 8-in., " 0 05¾
" " 10-in., " 0 05½
Light T and strap, dis. 65 and 5 per cent.
Screw hook and hinge—
6 to 10 in., per 100 lbs.... .... 4 50
12 in. up, per 100 lbs..... .... 3 25
Per gro. pairs
Spring..... .... 12 00

HOES.

Garden, Mortar, etc., dis. 50 and 10 p.c.
Planter, per doz..... 4 00 4 50

HOLLOW WARE

Discount,..... 45 and 5 per cent.

HOOKS.

Cast Iron.

Bird Cage, per doz.....	0 50	1 10
Clothes Line, per doz.....	0 27	0 63
Harness, per doz.....	0 72	0 88
Hat and Coat, per gross.....	1 00	3 00
Chandelier, per doz.....	0 50	1 00

Wrought Iron.
Wrought Hooks and Staples, Can. dis. 47½ per cent.

Wire.
Hat and Coat, discount 45 per cent.
Belt, per 1,000 ..... 0 60
Screw, bright, dis. 55 per cent.

HORSE NAILS.

"C" brand 50 and 7½p.c.off new list } Oval-
"M" brand 50, 10 and 5 per cent. } head
Countersunk, 60 per cent.

HORSESHOES.

Iron Shoes.	F.O.B. Montreal No. 2 and larger.	No. 1. and smaller.
Light, medium and heavy...	3 50	3 75
Snow shoes.....	3 75	4 00

Steel Shoes.

Light.....	3 60	3 85
Featherweight (all sizes).....	4 85	4 85

F.O.B. Toronto, Hamilton, London and Guelph, 10c. per keg additional.
Toe weight steel shoes..... 6 70

JAPANNED WARE.

Discount, 45 and 5 p.c. off list, June 1899.

ICE PICKS.

Star per doz..... 3 00 3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.
Copper, per lb..... 0 30 0 50
American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 45 p.c.
Cabinet, trunk, and padlock, Am. per gross 60

KNOBS.

Door, japanned and N.P., per doz..... .... 1 50 2 00
Bronze, Berlin, per doz..... 2 75 3 25
Bronze Genuine, per doz.... 6 00 9 00
Shutter, porcelain, F. & L screw, per gross 1 30 4 00
White door knobs—per doz. 1 25

HAY KNIVES.

Discount, 50 and 10 per cent.

LAMP WICKS.

Discount, 60 per cent.

LANTERNS.

Cold Blast, per doz..... 7 00
No. 3 "Wright's"..... 8 50
Ordinary, with O burner..... 4 00
Dashboard, cold blast..... 9 00
No. 0..... 5 75
Japanning, 50c. per doz. extra

LEMON SQUEEZERS.

Porcelain lined, ...per doz. 2 20 5 60
Galvanized..... 1 87 3 85
King, wood..... 2 75 2 90
King, glass..... 4 00 4 50
All glass..... 1 20 1 30

LINES.

Fish per gross..... 1 05 2 50
Chalk " 1 90 7 40

LOCKS.

Canadian, dis 40 p.c.
Russel & Erwin per doz.... 3 00 3 25
Cabinet.
Eagle, dis. 30 p.c.

Padlocks.

English and Am. per doz.... 50 6 00
Scandinavian, " 1 00 2 40
Eagle, dis. 20 to 25 p.c.

MACHINE SCREWS. Iron and Brass.
Flat head discount 25 p.c.
Round Head discount 20 p.c.

MALLETS.

Tinsmiths' per doz.....	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz..	3 85	5 00
Caulking each.....	60	2 00

MATTOCKS.

Canadian, per doz..... 5 50 6 50

MEAT CUTTERS.

American, dis. 25 to 30 p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are;	Cut.	Wire.
2 d and 3d	$3 35	$3 55
3 d	3 00	3 22
4 and 5d..... ..	2 75	3 05
6 and 7d.....	2 65	2 90
8 and 9d.....	2 50	2 70
10 and 12d.....	2 45	2 65
16 and 20d..	2 40	2 60
30, 40, 50 and 60d. (base).....	2 35	2 55

Wire nails in carlots are $2.50
Galvanizing 2c. per lb. net extra.
Steel Cut Nails 10c. extra.
Miscellaneous wire nails, dis. 75 p.c.
Coopers' nails, dis. 30 per cent.
Flour barrel nails, dis. 25 per cent

NAIL PULLERS.

Germanand American..... 1 85 3 50

NAIL SETS.

S uare round, and octagon per gross..... 3 38 4 0
Diamond..... 12 00 15 00

POULTRY NETTING.

2-in. Mesh, 19 w.g., dis. 60 p.c.
2-in. Mesh, 18 w.g. and heav.er, 50 and 10 p.c.

OAKUM.

Per 100 lb

Navy	6 00
U.S. Navy.....	7 25

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal. per doz..... .... 10 00
Zinc and tin, dis. 50, 50 and 10.
Copper, per doz..... 1 25 3 50
Brass, " 1 50 3 50
Malleable, dis. 25 per cent.

GALVANIZED PAILS.

Dufferin pattern pails, dis. 45 p.c.
Flaring pattern, discount 45 per cent.
Galvanized washtubs discount 45 per cent.

PIECED WARE.

Discount 40 per cent. off list, June, 1899.
10-qt. flaring sap buckets, dis. 40 p.c.
6, 10 and 14-qt. flaring pails, dis. 40 p.c.
Creamer cans, dis. 40 p.c.

PICKS.

Per doz..... 6 00 9 00

PICTURE NAILS.

Porcelain head, per gross... 1 75 3 00
Brass head 0 40 1 00

PICTURE WIRE.

Tin and gilt, discount 75 p c.

PINE TAR.

½ pint in tins, per gross.	7 80
1 " " "	9 60

PLANES.

Wood, bench, Canadian dis. 40 per cent. American dis. 50.
Wood, fancy Canadian or American 7½ to 40 per cent.

PLANE IRONS.

English, per doz..... 2 00 5 00

PLIERS AND NIPPERS.

Button's Genuine per doz pairs, dis. 37½ 40 p.c.
Button's Imitation, per doz.. 5 00 9 00
German, per doz..... 0 60 2 60

PLUMBERS' BRASS GOODS.

Standard Compression work, dis. 60 p.c.
"J.M.T." Cushion work, dis. 50 p.c.
Fuller work, dis. 65 p.c.
6 doz. lots and over of the above, extra dis. 10 p.c.
Lever Handle Stops and Waste, discount 60 p.c. With, in lots of 2 doz. and over, an extra dis. of 10 p.c.
"J.M.T." Globe, Angle and Check Valves, dis 55 p.c.
Standard Globe, Angle and Check Valves, dis. 65 p.c.
"J.M.T." Radiator Valves, dis. 55 p c.
Standard " " dis., 65 p.c.
Patent Quick Opening Valves, dis. 70 p.c.
No. 1 compression bath cock, net .. 2 00
No. 4 " " " 2 00
No. 7, Fuller's 2 70
No. 4½, " 2 35
Patent Compression Cushion, basin cock, hot and cold, per doz 15 00
Patent Compression Cushion, bath cock No. 2208 .. .. 2 25
Square head brass cocks, 60 p.c.
" " iron " 60 p.c.
Competition Globe, Angle and Check Valves discount, 70 p. c.
Competition Quick Opening Radiator Valves, discount, 70 p.c.

PRESSED SPIKES.

Discount 25 per cent.

PULLEYS.

Hothouse, per doz.....	0 55	1 00
Axle.....	0 22	0 33
Screw.....	0 27	1 00
Awning.....	0 35	2 50

PUMPS.

Canadian cistern.....	1 80	3 60
Canadian pitcher spout.....	1 40	2 10

PUNCHES.

Saddlers', per doz.....	1 00	1
Conductors's '	9 00	15 00
Tinners', solid per set.....	0 00	0 72
" hollow per inch.....	0 00	1 00

RANGE BOILERS.

	Net.
Dominion, 30 gal.	5 75
Dominion, 35 "	6 75
" 40 "	7 75
Ronald's Galvanized, 30 gallons	6 50
" " 35 "	7 50
" " 40 "	8 50
Copper, 30 gallons.....	20 00
" 35 "	23 20
" 40 "	26 40

RAKES.

Wood, 10 per cent.

RAZORS.

	per doz.	
Elliot's	4 00	18 00
Geo. Butler & Co.'s.....	4 00	18 00
Boker's.....	7 50	11 00
" King Cutter.....	12 50	50 00
Wade & Butcher's	3 60	10 00
Theile & Quack's.....	7 00	12 00
Bailey's	6 00	12 00
Carbo Magnetic Razor	....	15 00
Griffon Barbers' Favorite	....	10 75
Griffon No. 65.....	....	13 50
Griffon Safety Razors.....	....	15 50
" Stropping Machines.		13 50

All other razors 50 p.c. off catalogue price.

REGISTERS.

Discount ..... 40 per cent

RIVETS AND BURRS.

Iron Rivets, black and tinned, discount 60 and 10 per cent.
Iron Burrs, discount 55 per cent.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets with usual proportion burrs, 45 and 10 dis., cartons, 1c. per lb. extra, net.
Copper Burrs only, 30 and 10 p.c.
Extras on Tinned or Coppered Rivets, ½-lb. cartons, 1c. per lb.

RIVET SETS.

Canadian, dis. 35 to 37½ per cent.

ROPE, ETC.

Sisal	13
Pure Manilla.....	16
"British" Manilla.....	14½
Cotton, 3-16 inch and larger.....	16
" 5-32 inch.....	21
" ⅛ inch	22
Russia Deep Sea.	15
Jute.....	5
Lath Yarn	12

Sisal bed cord, 48 ft.....	per doz.	65
" " 60 ft.....	"	80
" " 72 ft.....	"	95

RULES.

Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS.

	per set.
Mrs. Potts, No. 55, polished.	65
" No. 50, nickle-plated.	75

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ pe cent.
B & A. sand, 40 and 5 per cent.
Emery, 40 per cent.
Garnet (Rurton's), 5 to 10 p.c. advance on list.

SAP SPOUTS.

Bronzed iron with hooks, per doz. 9 50

SAWS.

Hand Disston's, dis. 12½ p.c.
S. & D., 40 per cent.
Crosscut, Disston's, per ft.. 0 35 0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.
Hack, complete, each 0 75 2 75
" frame only 0 75

SASH WEIGHTS.

Sectional, per 100 lbs..... 2 25 2 50
Solid, " 1 75 2 00

SASH CORD.

Per lb..... 0 23 0 30

SAW SETS.

Lincoln and Wh ting, per doz. 4 75
Hand Sets, No. 1 Woodyatt (Morrill) 4 25
X-cut Sets, No. 3 Woodyatt (Morrill) 9 50

SCALES.

Fairbanks Standard, 35 p.c.
" Dominion, 55 p.c.
" Richelieu, 55 p.c.
Warren's new Standard, 45 p.c.
" " Champion 55 p.c.
Burrow, Stewart & Milne—
Imperial Standard, 45 per cent.
Weigh Beams, 35 per cent.
Champion Scales, 55 per cent.

SCREW DRIVERS.

Sargent's per doz..... 0 65 1 00

SCREWS.

Wood, F.H., bright and steel, 87½ and 10 p.c
Wood R. H., " dis. 82½ and 10 p.c.
" F. H., brass dis. 80 and 10 p.c.
Wood, R. H., " dis. 75 and 10 p.c.
" F.H., bronze, dis. 75 p.c.
" R.H. " 70 p.c.
Drive Screws, 87½ and 10 per cent.
Bench, wood, per doz. 3 25 4 00
" iron, " 4 25 5
Set, Case hardened, 60 per cent.
Square Cap, 50 and 5 per cent.
Hexagon Cap, 45 per cent.

SCYTHES.

Per doz., net..... 9 00

SCYTHE SNATHS.

Canadian, dis. 45 p.c.

SHEARS.

Bailey Cutlery Co., full nickeled, dis. 60 and 2½ p.c.
Bailey Cutlery Japan handles, 67½ p.c.
Seymour's, dis. 50 and 10 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SINKS.

Steel and galvanized, discount 45 per cent

SNAPS.

Harness, German, dis. 25 p.c.
Lock, Andrews' 4 50 11 50

SOLDERING IRONS.

1, 1½ lb., per lb.....	0 37
2 lb. or over, per lb.....	0 34

SQUARES.

Iron, No. 493, per doz	2 40	2 55
" Mo. 494, "	3 25	3 40

Steel, dis. 60, 10 and 5 p.c.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.

Plair, dis., 75 and 12½ p.c. off revised st
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized.....	3 50	4 00
Plain.....	3 25	3

Coopers', discount 45 per cent.
Poultry netting staples, 40 per cent.

STANDARD CHAIN CO., PITTSBURGH, U. S. A.

MANUFACTURERS OF **CHAIN** OF ALL KINDS.

Proof Coil, B.B., B.B.B., Crane, Dredge Chain, Trace Chains, Cow Ties, etc.

ALEXANDER GIBB, Montreal. —Canadian Representatives— A. C. LESLIE & CO., Montreal.

For Provinces of Ontario and Quebec. For other Provinces.

STOCKS AND DIES.

American dis. 25 p.c.

STONE.	Per lb.	
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip,	0 09	0 09
Labrador	....	0 13
" Axe	....	0 15
Turkey	....	0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, 2 in, 40 to 200 lb, per ton	....	25 00
" under 40 lb. "	....	28 00
Grind. under 2 in. thick "	....	29 00

STOVE PIPES.

5 and 6 inch Per 100 lengths	....	7 00
7 inch " "	....	7 50

ENAMELINE STOVE POLISH.

No. 4—3 dozen in case, net cash $4 8
No. 6—3 dozen in case, " 8 40

TACKS, BRADS, ETC.

Cheese-box tacks, blued .....80 & 12½
Trunk tacks, black and tinned 85
Carpet tacks, blued .....80 & 15
" " tinned .....80 & 20
" " (in kegs) 40
Cut tacks, blued, in dozens only ..80
" ¼ weights 60
Swedes cut tacks, blued and tinned—
In bulk..... ....80 & 10
In dozens. 75
Swedes, upholsterers', bulk ...85, 12½ & 12½
" brush, blued & tinned, bulk..70
" gimp, blued, tinned and japanned ....75 & 12½
Zinc tacks 35
Leather carpet tacks 55
Copper tacks 50
Copper nails 59½
Trunk nails, black.....65 and 5
Trunk nails, tinned.....65 and 10
Clout nails, blued .....65 and 5
Chair nails 35
Patent brads 40
Fine finishing..... 4 J
Lining tacks, in papers 10
Lining tacks, in bulk 15
" " solid heads, in bulk.... ... 75
Saddle nails in papers..... 10
" " in bulk..... 15
Tufting buttons, 22 line, in dozens only 60
Tin capped trunk nails..... 25
Zinc glazier's points..... 5
Double pointed tacks, papers.....90 and 10
" " " bulk 40

TAPE LINES.

English, ass skin, per doz....	2 75	5 00
English, Patent Leather....	5 50	9 75
Chesterman's each.....	0 90	2 85
" steel, each	0 80	8 00

TINNERS' SNIPS.

Bailey's, dis. 25 p.c.

THERMOMETERS.

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TRAPS. (Steel.)

Game, Newhouse, dis. 25 p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's discount 10 per cent.
German, per doz..... 4 75 6 00
S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb.....	....	0 27
Wrapping, cotton, 3-ply.....		0 18½
" 4-ply.....	....	0 23½
Mattress, per lb.....	0 33	0 45
Staging, "	0 27	0 35

VISES.

Wright's	....	0 13½
Brook's	....	0 12¾
Pipe Vise, Hinge, No. 1.....	....	3 50
" " No 2	....	5 50
Saw Vise	4 50	9 00

ENAMELLED WARE.

White, Princess, Turquoise, Blue and White, discount 50 per cent.
Diamond, Famous, Premier, 50 and 10 p.c.
Granite or Pearl, Imperial, Crescent, 50, 10 and 10 per cent.

WIRE.

SMOOTH STEEL WIRE.

No. 0-9 gauge.....		$2 60
10 "	6c. extra.	
11 "	12c. "	
12 "	20c. "	
13 "	30c. "	
14 "	40c. "	
15 "	55c. "	
16 "	70c. "	

Add 60c. for coppering and $2 for tinning.

Extras net per 100 lb. —Oiled wire 10c., spring wire $1.25, special hay baling wire 30c., best steel wire 75c., bright soft drawn 15c., charcoal (extra quality) $1.25, packed in casks or cases 15c., bagging and papering 10c., 50 and 100-lb. bundles 10c., in 25-lb. bundles 15c., in 5 and 10-lb. bundles 25c., in 1-lb. hanks 50c., in ½-lb. hanks 75c., in ¼-lb. hanks $1.

Fine Steel Wire, dis. 22½ per cent List of extras : In 100-lb. lots : No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, 7.65—No. 24, $8—No. 25, $9—No. 26 $9.50—No. 27, $10—No. 28, $11 No. 29. $12—No. 30, $13—No. 31, $14—No. 32 $15, No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31 $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles, 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Galvanized Wire, per 100 lb.—Nos. 6, 7 8, $3.50 to $3.85—No. 9, $2.85 to $3.15—No. 10, $3.60 to $3.95—No. 11, $3.70 to $4.10—No. 12, $3 to $3.30—No. 13, $3.10 to $3.40—No. 14, $4.10 to $4.50—No. 15, $4.60 to $5.05—No. 16. $4.85 to $5 35. Base sizes, Nos. 6 to 9 $2.52½ f.o.b. Cleveland.
Clothes Line Wire, regular 7 strand No. 17, $4.65; No. 18, $2.90; No. 19, $2.60. Hollow 6 strand, No. 17, $4.30; No. 18. $2.70, No. 19, $2.35; No 20, $2.30, f.o.b. Hamilton, Toronto Montreal.

WIRE FENCING.

Galvanized barb	....	3 00
Galvanized, plain twist.....	....	3 00
Galvanized barb, f.o.b. Cleveland, $2.77½ in less than carlots, and $2.65 in carlots		

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net.. 1 30
Terms, 3 per cent. off 30 days.

WASTE COTTON.

	per lb.
Colored.....	6
White	8

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 60 p.c.
Coe's Genuine, dis. 20 to 25 p.c.

Towers' Engineer, each.....	2 00	7 00
" S., per doz.....	5 80	6 00
G. & K.'s Pipe, per doz.....	....	3 40
Burrell's Pipe, each.....	....	3 00
Pocket, per doz.....	0 25	2 90

WRINGERS.

Leader..... per doz.	$30 00	33 00
Royal Canadian.. "	...	24 00
Royal American., "	....	24 00
Sampson..... "	....	24 00

Terms 4 months, or 3 p.c. 30 days.

WROUGHT IRON WASHERS.

Canadian make, discount, 40 per cent.

ADVERTISING in WESTERN CANADA

will be Carefully Efficiently, and Promptly attended to, by

The Roberts Advertising Agency,

WINNIPEG CANADA.

Standard Paint & Varnish Works Limited
Makers of High Grade Varnishes, Japans, Paints, Colors & Enamels
Windsor, Ont.

"PULLMAN"

TROUSER or SKIRT HANGERS.

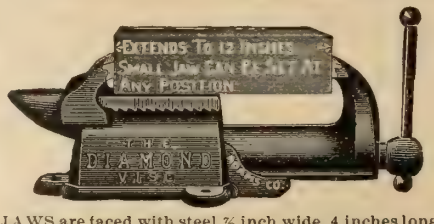
TWO SIZES

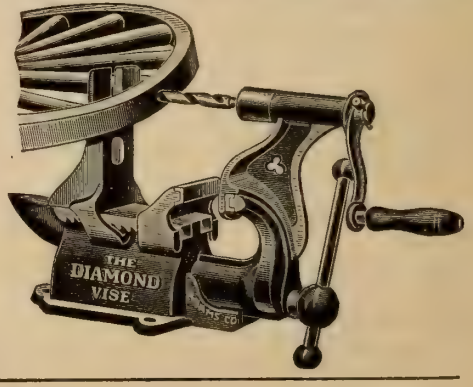


PULLMAN SASH BALANCE CO.,
ROCHESTER, N.Y., U.S.A.

DIAMOND VISE AND DRILLING ATTACHMENT

U. S. Patent Jan. 15, '95. Canadian Patent July 22, '95.





JAWS are faced with steel ⅞ inch wide, 4 inches long, firmly fastened to jaw, checked and hardened.
VISE weighs 38 pounds. DRILL weighs 13 pounds.
For Sale by Jobbers of Hardware.

Made by—
The Adams Company, Dubuque, Iowa, U.S.A.
Made by A. R. Woodyatt & Co., Guelph, Ont.

CELEBRATED **HEINISCH** SHEARS.

Tailors' Shears,
Trimmers, Scissors,
Tinners' Snips, etc.



ACKNOWLEDGED THE BEST.

R. HEINISCH'S SONS CO.

NEW YORK OFFICE, 90 Chambers St.
NEWARK, N.J., U.S.A.

Not connected with any Shear Combination.



Ontario Nut Works, Paris

BROWN & CO.

Manufacturers of

All sizes of Hot Pressed Nuts, Square and Hexagon.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker,
13 St. John Street, Montreal

Representing British and American Manufacturers. Correspondence invited from firms wishing to be represented in Canada.

"THE EMLYN" SAW BENCH

Made in 6 sizes. Best value obtainable. Specially designed for export With or without "Emlyn" Patent Guard. Sole maker—

CHARLES D. PHILLIPS,

Cables—"Machinery," Newport.

Emlyn Engineering Works, NEWPORT, MON., ENGLAND.

ONTARIO SILVER CO.,

Limited,

NIAGARA FALLS, CANADA.

Manufacturers of **FLATWARE, CUTLERY and ELECTRO PLATE. . . .**

Ask for our Catalogue and Quotations.

The Batty Stove & Hardware Co.

Successors to

The Toronto Branch of THE COPP BROS. CO, Limited.

Wholesale dealers in

MANTELS, GRATES, TILES, ETC.

HOT-AIR REGISTERS.

HOT-AIR DAMPERS.

STOVE AND FURNACE CEMENT: 3½ and 5-lb. Cans.

STOVE POLISH. STOVE REPAIRS.

THE BATTY STOVE & HARDWARE CO.

279 Queen West, TORONTO.

HAND-FORGED **HAND-GROUND**

BUTCHER KNIVES

Made from Best English Double Shear Steel



Fully Warranted

STANDARD SHAPES AND HIGHLY POLISHED

Also

Steel-Laid Shears and Scissors and Hand-Forged Razors

Made by

BAILEY CUTLERY CO., LIMITED

Write for Catalogue. **BRANTFORD, CANADA.**

CHAS. F. CLARK, President. **JARED CHITTENDEN, Treasurer.**

...ESTABLISHED 1849...

BRADSTREET'S

Capital and Surplus, $1,500,000. **Offices Throughout the Civilized World.**

Executive Offices: Nos. 346 and 348 Broadway, New York City, U.S.A.

THE BRADSTREET COMPANY gathers information that reflects the financial condition and the controlling circumstances of every seeker of mercantile credit. Its business may be defined as of the merchants, by the merchants, for the merchants. In procuring, verifying and promulgating information, no effort is spared, and no reasonable expense considered too great, that the results may justify its claim as an authority on all matters affecting commercial affairs and mercantile credit. Its offices and connections have been steadily extended, and it furnishes information concerning mercantile persons throughout the civilized world.

Subscriptions are based on the service furnished, and are available only by reputable wholesale, jobbing and manufacturing concerns, and by responsible and worthy financial, fiduciary and business corporations. Specific terms may be obtained by addressing the Company at any of its offices. **Correspondence Invited.**

——OFFICES IN CANADA——

HALIFAX, N.S.	HAMILTON, ONT.	LONDON, ONT.	MONTREAL, QUE.
OTTAWA, ONT.	QUEBEC, QUE.	ST. JOHN, N.B.	TORONTO, ONT.
VANCOUVER, B.C.	VICTORIA, B.C.	WINNIPEG, MAN.	

THOS. C. IRVING, Gen. Man. Western Canada, Toronto. JOHN A. FULTON, Gen. Man. Eastern Canada, Montreal.



Established 1832. Cable Address, "BLISS."

MANUFACTURERS

Wood Turnings, Hand Bench and other Screws Mallets, Handles, Vises Clamps, Tool Chests Croquet, Lithographs Wood Toys, Novelties

and also the celebrated

Wood's Patent Car Gate

For Street and Steam Railroad Cars.

The R. BLISS MFG. CO.

Pawtucket, R.I., U.S.A.

Canadian Representative: **ALEXANDER GIBB, 13 St. John St., MONTREAL.**

75 YEARS. *ESTABLISHED 1825.* *75 YEARS.*

BEAMS CHANNELS ANGLES PLATES

1,500 TONS FOR SALE

All of this material in lengths from 40 to 60 feet.
We can ship promptly, and should be pleased to receive your order.
Prices and stock lists on application.

STEEL FRAME BUILDINGS and ROOF TRUSSES.

Also Steel Bridges for Railways and Highways.

THE HAMILTON BRIDGE WORKS COMPANY LIMITED

Long Distance Telephone, Hamilton 630. **HAMILTON, CANADA.**

Est. 1866 TRADE MARK. Inc. 1895

Black Diamond File Works

G. & H. Barnett Company

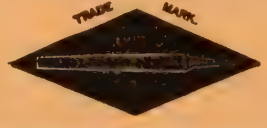
PHILADELPHIA

Twelve TRADE MARK. Medals



Awarded
By **JURORS** at
International Expositions
Special Prize
Gold Medal at Atlanta, 1895

TRADE MARK.



RUBBER HOSE

FOR

Water	Air	Suction
Steam	Acids	Fire Protection
Gas	Brewers	Pneumatic Tools

SUPERIOR IN QUALITY.
SATISFACTORY IN SERVICE.

When you want anything made of rubber, write to us.

THE GUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

Head Office and Warerooms—
45-47-49 West Front St.

TORONTO,

Factories—115-165 West Lodge Ave.
124-148 O'Hara Ave.

CANADA.

We can quote lowest prices for the following goods in quantities, viz.:

BLACK STEEL SHEETS.
POLISHED STEEL SHEETS.
RANGE STEEL.
GALVANIZED SHEETS.
CANADA PLATES.
SHEET COPPER.
SHEET ZINC.
TIN PLATES—Coke and Charcoal.
WINDOW GLASS
PLATE GLASS.
WHITE LEAD.
RED LEAD.

Send us your enquiries when next in the market.

B. & S. H. THOMPSON & CO.

53 St. Sulpice Street,

MONTREAL.

VARNISHES AND JAPANS

McCASKILL, DOUGALL & CO.

Manufacturers MONTREAL



Standard Railway and Carriage Varnishes
Standard Boat and Spar Varnishes
—Wont turn white from the effects of water and sun.
Standard Piano, Furniture and Decorative Varnishes
Zanzerine Transparent Wood Finishes and Varnishes
Architectural Varnishes

OFFICES:

161 Summer St., BOSTON, Mass., U.S.A.
30 St. John St., MONTREAL.

Don't pay for a fantastical name. Get practical worth by using
LANGWELL'S BABBIT
MONTREAL.

CANADIAN
HARDWARE
AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XIV. MONTREAL AND TORONTO, APRIL 26, 1902 NO. 17.

POCKET KNIVES
H. BOKER & Cos
IMPROVED
TREE BRAND
TRADE MARK
RAZORS CUTLERY SCISSORS
FOR SALE BY LEADING WHOLESALE HARDWARE HOUSES.

If any other brand will do in place of "QUEEN'S HEAD," buy . . . . .

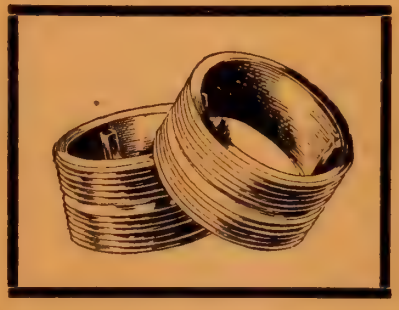
"Fleur de Lis"

FLEUR DE LIS.

NOT a second quality, but "QUEEN'S HEAD" quality with ordinary galvanizing. Rapidly coming to the front for work where a heavy coating is not needed.

JOHN LYSAGHT, Limited, Makers, BRISTOL, ENG.
A. C. LESLIE & CO., MONTREAL, Managers Canadian Branch.

"That Made the Hit"



This is a drawing of the Patent Connection that made the "SAFFORD" famous the world over; that revolutionized radiator building; that made it possible to put a radiator together without bolts, red lead, rods or packing.

The "SAFFORD" is the only radiator on the market for hot-water and steam heating. It means satisfaction every time—is easy to handle for the contractor.

If you have not our Catalogue, write to us.

THE DOMINION RADIATOR CO., Limited

Head Office and Works: DUFFERIN ST. TORONTO, CAN.

BICYCLE SUNDRIES

We have purchased several

Bankrupt Stocks and offer **Special Prices**

while they last on

TIRES, INNER TUBES, Etc.

RICE LEWIS & SON

LIMITED

Write for Catalogue.

TORONTO.

BRASS COPPER

ROD,
SHEET,
TUBING.

BAR,
INGOT,
SHEET,
TUBING.

M. & L. SAMUEL, BENJAMIN & CO.

27 Wellington St. West,

TORONTO, ONT.

English House: SAMUEL, SONS & BENJAMIN, 164 Fenchurch St., LONDON, E.C.

THEY'RE ALL ALIKE

THAT'S THE BEAUTY OF THE

CARBO MAGNETIC

ALL JUST ALIKE



No Saw Edges
No Soft Spots
No Temper Streaks
No Returned Blades to the Dealer
Will Shave for Years Without Requiring Honing

Sold by all Leading Jobbers.

FIRM OF

A. L. SILBERSTEIN

Mfrs of "Griffon" CUTLERY

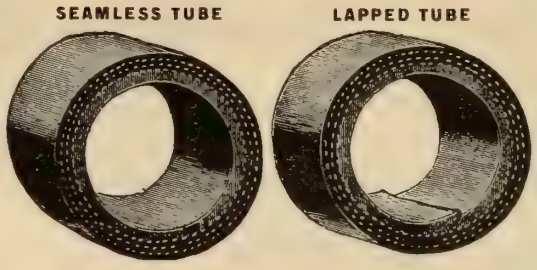
BOOKLET COMING— if you'll ask for a copy with trade discount.

459-461 Broadway, NEW YORK CITY.

GARDEN HOSE

Seamless Tube.

SEAMLESS TUBE LAPPED TUBE



All brands of our **GARDEN HOSE** are made with our

Patent Seamless Tube

WRITE FOR DISCOUNTS.

The Canadian Rubber Co.

MONTREAL TORONTO WINNIPEG

Other Tools are very good Tools, but

"YANKEE TOOLS"

ARE BETTER



No. 15. "Yankee" Ratchet Screw Driver, with Finger Turn on Blade.



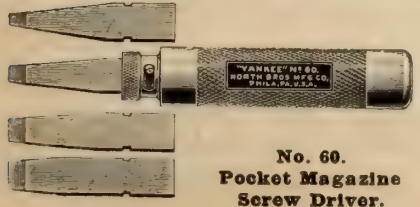
No. 30. "Yankee" Spiral-Ratchet Screw Driver, Right and Left Hand.



No. 41. "Yankee" Automatic Drill, Eight Drill Points in Handle.



No. 50. "Yankee" Reciprocating Drill, for Iron, Steel, Brass, Wood, etc.



No. 60. Pocket Magazine Screw Driver.

Our "YANKEE" Tool Book tells all about them. Mailed free on application. . . . . .

Manufacturers also of

LIGHTNING, GEM and BLIZZARD Ice Cream Freezers.

Toy Freezers, Ice Shaves and Ice Chippers.

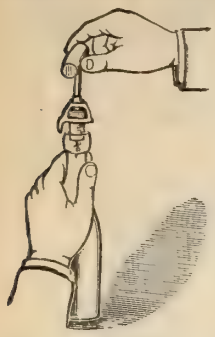
Fluting Machines, Hand Fluters.

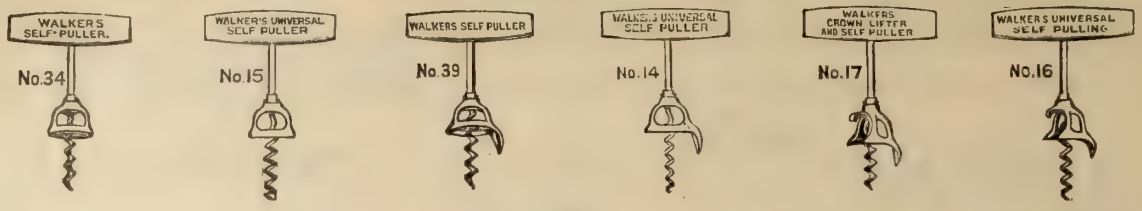
Sold by Leading Jobbers in Canada.

NORTH BROS. MFG. CO.,

Philadelphia, Pa., U.S.A.

See! You Don't Have to Pull. A Child Can Do It.



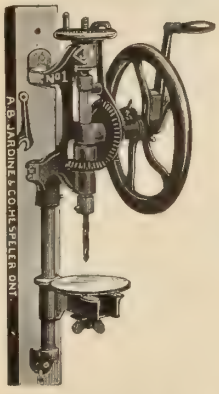


Walker's Self-Pulling Cork Screws

Made of Crucible Steel, Nickel Plated, Polished Apple Wood Handles.

EVERY ONE TESTED AND GUARANTEED. Several imitations on the market, but none as good.

Mfrd. only by **ERIE SPECIALTY CO., Erie, Pa., U.S.A.**



TRADE MARK J REGISTERED

Blacksmiths' Hand Drills.

The very best.

A. B. JARDINE & CO.
HESPELER, ONT.

Lockerby & McComb

AGENTS IN CANADA

FOR THE

Celebrated P. & B. Cold Storage Lining

AND

. . Ruberoid Roofing . .

P. S.--Prices on Application.

65 Shannon Street, MONTREAL.

Stove Bricks in Variety.

We don't have to make a kiln and then burn it before filling your order. Prompt shipment is one of our mottoes. We have over 200 varieties of bricks, and all kinds of fire clay products, furnace cement, etc., always in stock. Catalogue upon application.

JONES BROS., Bracondale, P.O., Ont.

Lace Leather

Send direct to us for the celebrated "NIAGARA" Brand Lace Leather, best produced in this country. Yellow and White in Sides or Cut Strings. Prices and Samples on application.

WOOD BROS.
Tanners of High-Class Leathers,
ST. CATHARINES, ONT.

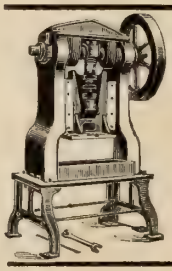
FILES. **RASPS.**

WE ARE NOT IN THE TRUST.

Quality of our goods guaranteed and our discounts very liberal. A trial order solicited. Write for discounts.

99 Niagara St., **TORONTO FILE CO.**

CANADIAN GOODS FOR CANADIANS.



G. A. Crosby & Co. of Ontario, LIMITED

SARNIA, ONT.

Manufacturers of

Patent Automatic Can Making Machinery, Presses, Dies and Special Machinery for Working Sheet Metal.

The Frost Wire Fence Company, Limited

WELLAND, ONT.

FACTORIES AT CLEVELAND, OHIO, AND WELLAND, ONT.

MAKERS OF **Frost Fencing, Frost Steel Gates, and Coiled Spring Wire.**

CLOSEST PRICES QUOTED ON APPLICATION.

STANYON ENGINEERING CO.

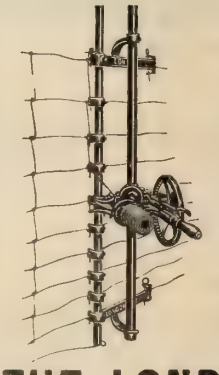
402 McKINNON BUILDING,

Phone Main 2177. **TORONTO**

CONTRACTING AND CONSULTING ENGINEERS.

Steel Works, all kinds of Rolling Mills, Wire Mills, etc., all built complete. Machinery designed for any purpose

GENERAL OFFICES, - - PITTSBURG, Pa.



Now is the time to secure the agency for the

LONDON FENCE MACHINES

We have a number of dealers who are making the LONDON their leader for the Spring. Nothing wins the farmer's favor like the LONDON. If you push it, it will make you money and draw custom. It's a hustler and a dandy. Get our Spring Catalogue and this year's prices. The LONDON leads the world for building fence.

THE LONDON FENCE MACHINE CO., Limited.
LONDON, CANADA.

IT'S THE SPECIALTIES THAT PAY.

SIX LINES

THAT ARE TIME SAVERS FOR THE MECHANIC,
THAT TAKE PRECEDENCE OVER THE ORDINARY TOOLS,
THAT SELL READILY AND BRING GOOD RETURNS,
THAT SELL FROM JANUARY TO DECEMBER,
THAT GIVE YOUR STOCK AN UP-TO-DATENESS,
THAT ARE SOLD AND RECOMMENDED BY

LEWIS

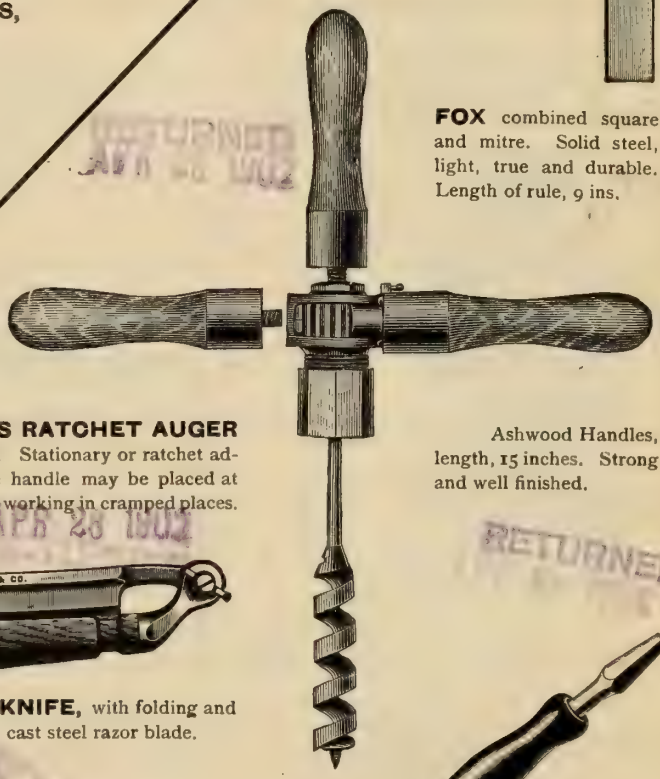
BROS. & CO.,
Montreal.

TORONTO,
87 YORK ST.

OTTAWA,
54 QUEEN ST.

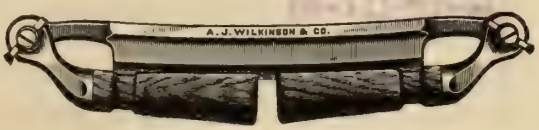


FOX combined square and mitre. Solid steel, light, true and durable. Length of rule, 9 ins.

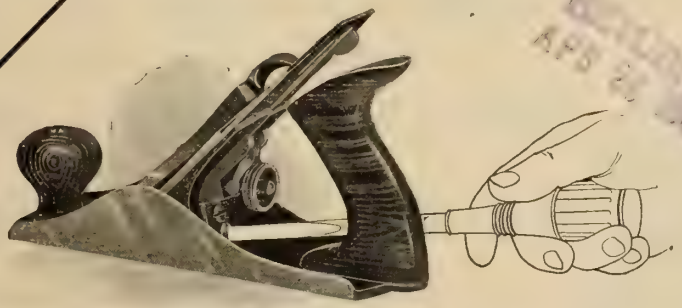


PRATT'S RATCHET AUGER HANDLES. Stationary or ratchet adjustment. The handle may be placed at right angle when working in cramped places.

Ashwood Handles, length, 15 inches. Strong and well finished.



ADJUSTABLE DRAWING KNIFE, with folding and adjustable handles, 8-in. solid cast steel razor blade.





UNIVERSAL Angular Bit Stock. Adjustable to any position.

BED ROCK PLANES. The adjustments are of a wider range than that of any other plane. Built on entirely new lines. Made in Smooth, Jack, Fore, and Jointer.

OUR BUSINESS CREED,

"SHIP WITH SPEED"



NO. 30.—Yankee Spiral Ratchet Screw Driver. Entire length with bit, 13½ ins. Right or left hand, or rigid. Three bits with each tool.

HENRY ROGERS, SONS & CO.,

SHEFFIELD, ENGLAND

Manufacturers of the celebrated



H R S & C°

TINPLATES
"ROGERS" COKES
"H. R. S. & CO." CHARCOALS
BARB and PLAIN GAL'D WIRE
HOOP IRON, Etc.

Canadian Office:
6 ST. SACRAMENT ST., MONTREAL
F. A. YORK, Manager.

ROBLIN'S PATENT MILKING PAILS.



Latest and Best.

These pails are made of IX old method Tin, with patent locking attachment on covers so milk cannot spill, also furnished with strainer in cover, keeping milk pure.

Manufactured by
E. T. WRIGHT & CO., Hamilton and Montreal.

KNOX HENRY

Heavy Hardware and Metal Broker
Room 32 Canada Life Bldg., MONTREAL.



Samples sent free on application.

HORSE NAILS—"C" Brand Horse-Nails
Canada Horse Nail Co.
"BRASSITE" GOODS — Gunn Castor Co. Limited, Birmingham, Eng.

STANDARD TIN WORKS

MANUFACTURERS OF

TINWARE AND TIN CANS

Fruit Cans, Meat Cans,
Jacketed Oil Cans,
Baking Powder Cans,
Lard Pails, Etc.

JAS. A. McGOLPIN
156-162 Duke Street, TORONTO.

KEEPING UP THE ASSORTMENT.



The fellow in the picture is in the employ of one of those merchants who are **wide awake** to the fact that to meet the demands for **ALABASTINE** which come at this season of the year, he must have an assortment of all shades in stock.

CUSTOMERS for ALABASTINE, or anything else for that matter, who have to go elsewhere to get what they want, may be lost altogether. At any rate the opportunity is given the other dealer to explain how people can **always get** everything they call for at **his** store, etc.

ALABASTINE is the goods that are in demand. It has stood the test of time, and people know it is all right. It is made in Canada, by Canadian labor and from rock taken out of Canadian mines. Is your assortment complete?

For sale by Wholesale Hardware and Paint Dealers. Manufactured by

The ALABASTINE COMPANY, Limited, PARIS, ONT.

STEVENS SINGLE BARREL SHOT GUN.

LATEST AND BEST SINGLE GUN ON THE MARKET.



MADE IN THREE STYLES THREE GAUGES UP-TO-DATE.

FINEST SINGLE GUN YET PRODUCED.

Our Goods are Handled by the Leading Jobbers.

J. Stevens Arms & Tool Co., P.O. Box 217 Chicopee Falls, Mass., U.S.A.

THE INDEPENDENT CORDAGE CO., Limited,

TORONTO.



Highest Award Pan-American Exposition.

MANUFACTURERS OF ALL KINDS OF

SISAL MANILA **ROPE,** Lath Yarn, Shingle Yarn, Hide Cord, Pulp Cord, Clothes Lines **BINDER TWINE**

Transmission Rope a Specialty.

H. & R. SINGLE GUN AUTOMATIC AND NON-EJECTING.

12 and 16 Gauges.
Steel and Twist Barrels.

Superior in Design, Workmanship and Finish, and the most popular Gun on the Market.

Simplest "Take Down" Gun Made.



HARRINGTON & RICHARDSON ARMS CO.
Also makers of H. & R. Revolvers,
Catalog on request. Worcester, Mass., U.S.A.

WINDOW GLASS—TO IMPORT.

Prompt Deliveries

EVERY KIND OF PLATE AND WINDOW GLASS IN STOCK.

BENT GLASS of all kinds, our own manufacture. **Closest Prices.**

TORONTO PLATE GLASS IMPORTING CO.,

Hill & Rutherford

Warerooms and Offices—135 to 143 Victoria St.
Bending Works—209 to 213 Victoria St.

TORONTO

FOR SALE

about 20 tons of COOKSON'S Sheet Lead, weighing 3 and 4 lbs. to the square foot. This material is in good condition and will be sold reasonable.

Apply to the

Syracuse Smelting Works, Montreal

DAVID MAXWELL & SONS

ST. MARYS, ONT., CANADA.



Steel Frame Churn.

"Maxwell Favorite Churn"

PATENTED FEATURES: Improved Steel Stand, Roller Bearings, and Foot and Hand Lever Drive, and Detachable Driving Link. Improved for season of 1902. Steel or Wood Frame as desired.

Lawn Mowers. High and Low Wheels. from 12-in. to 20-in, widths. Cold Rolled Steel Shafting, Crucible Steel Knives and Cutting Plate.

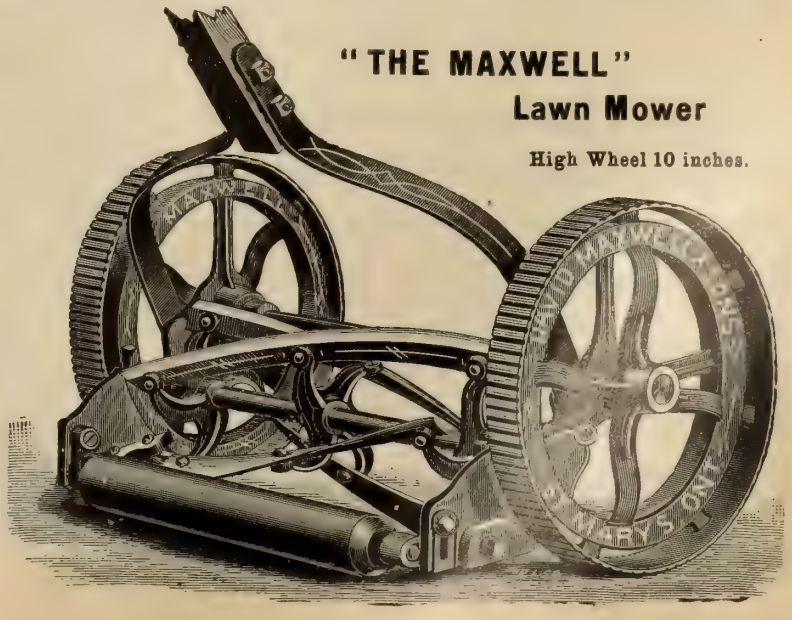
Wheelbarrows. In Four different Sizes.

If your Wholesale House does not offer you these articles

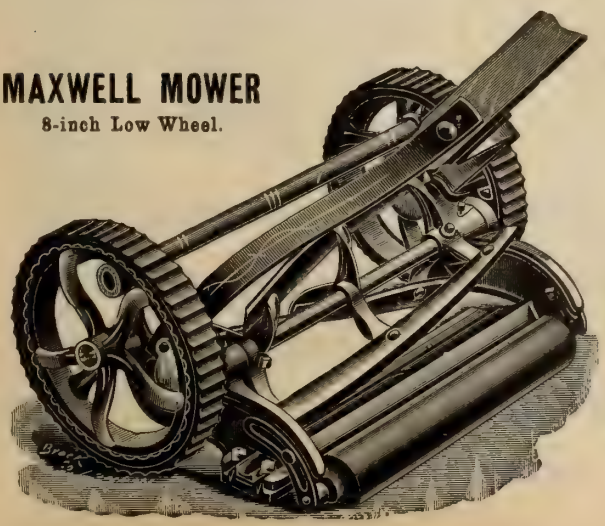
SEND DIRECT TO US.

"THE MAXWELL"
Lawn Mower

High Wheel 10 inches.



MAXWELL MOWER
8-inch Low Wheel.



THE PATENT FRONT DRAW-OUT GRATE

OF OUR

IMPERIAL OXFORD

is one of the special features that give it precedence over all other Ranges.

This arrangement is of special advantage, as nothing—not even the warping of the frame—can interfere with its easy working. The

DIFFUSIVE FLUE CONSTRUCTION
DRAW-OUT OVEN RACK
OVEN THERMOMETER

are other improvements that have made the Imperial Oxford the popular range of Canada.

They're wonderful sellers and we remind you that early orders receive prompt attention.

THE GURNEY FOUNDRY CO., Limited

TORONTO. WINNIPEG. VANCOUVER.



THE GURNEY-MASSEY CO., LIMITED, MONTREAL.



Australasian Hardware and Machinery.

The Organ of the Hardware, Machinery and Kindred trades of the Antipodes.

SUBSCRIPTION $1.25 PER ANNUM,

post free to any part of the world.

PUBLISHING OFFICES:
Melbourne - Fink's Buildings.
Sydney, - - - Post Office Chambers.
AMERICAN OFFICES:
New York, - Park Row Building.
BRITISH OFFICES:
London, - - - 42 Cannon St., E.C.

Specimen Copies on application.

CANADA FOUNDRY COMPANY.

LIMITED.

MACHINE SCREW DEPARTMENT

HEAD OFFICE: TORONTO, ONT.

DISTRICT OFFICES:

MONTREAL, HALIFAX, WINNIPEG, VANCOUVER, OTTAWA, ROSSLAND, B.C.

Square and Hexagon.



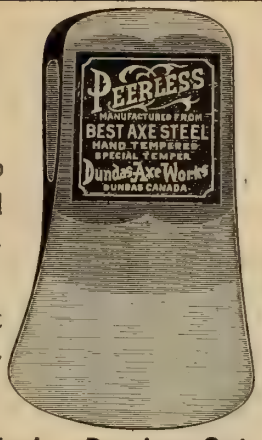
Finished, Semi-Finished.

Cold Pressed Nuts, Machine Screws, Studs, Coupling Bolts, Special Milled Work, etc.

SEND FOR PRICE LIST NO. 1001

A RECORD

Out of 6,000 Axes sold under guarantee in 1901 we did not have six returned broken.



Dundas Axe Works, Dundas, Ont.
W. L. Haldimand, Jr., Montreal Agent.

WIRE ROPE

Wire Rope. OF

GREENING

All Kinds and Sizes AND FOR All Purposes.

PRICES RIGHT. PROMPT SHIPMENTS.

The B. GREENING WIRE CO., Limited

Hamilton, Ont. - Montreal, Que.

PILKINGTON BROS., Limited

MANUFACTURERS OF

Polished Plate and Window Glass

We would call special attention to our Prismatic Rolled Glass which is used for projecting the light to the back of dark rooms and other badly-lighted places.

PLAIN and BEVELLED MIRROR PLATES

PATENT WIRED ROLLED, Etc., Etc.

WORKS: { ST. HELENS, ENGLAND / MAUBEUGE, FRANCE

CANADIAN DEPOTS: { BUSBY LANE, MONTREAL / MERCER ST., TORONTO

ESTABLISHED 1750

THE EDINBURGH ROPERIE & SAILCLOTH Co Ltd

TELEGRAPHIC ADDRESS ROPERIE

LEITH SCOTLAND

MANUFACTURERS OF EVERY DESCRIPTION OF

CORDAGE & CANVAS









MANILA ROPE
SISAL ROPE
NEW ZEALAND ROPE
RUSSIAN ROPE
JUTE ROPE
FISHING LINES
NETTING TWINES
PARCEL TWINES
SPUNYARNS & PACKINGS
BAILING ROPES & CORDS

TRADE R E C MARK 1750

SAILCLOTH
STEAMER CLOTHS
AWNINGS
TENT CLOTHS
DUCKS
PRESSING CLOTHS
TARPAULINGS
CHEMICAL WATERPROOF
SEAMING TWINES
ROPING TWINES



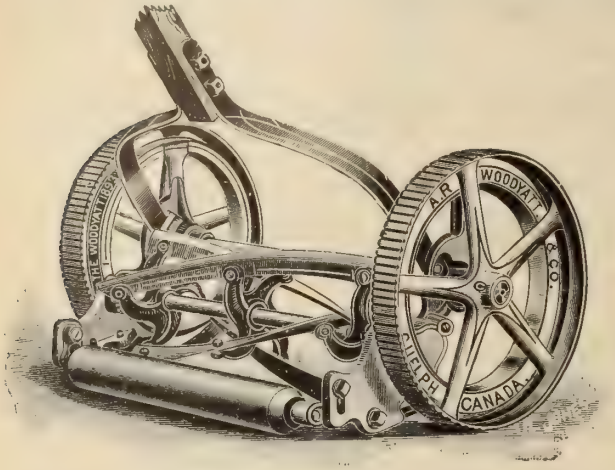
BUYERS OWN SAMPLES MATCHED AT LOWEST TRADE TERMS

ADDRESS ALL COMMUNICATIONS TO OUR CANADIAN OFFICE AND STORES,

THE EDINBURGH ROPERIE & SAILCLOTH CO'Y, Limited, - - 9 St. Peter Street, MONTREAL.

"WOODYATT" and "STAR" LAWN MOWERS

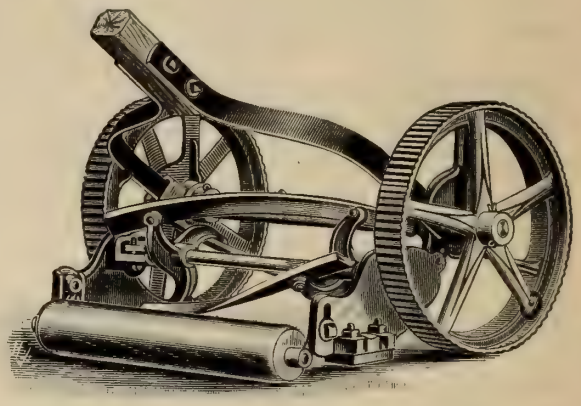
are constructed of the best material we can buy, and together with the simple adjustments, ease in operating, and the perfect work performed makes it mere pastime to use them.



The "Woodyatt" Mower.

We Guarantee all our Machines.

Write for Catalogue.

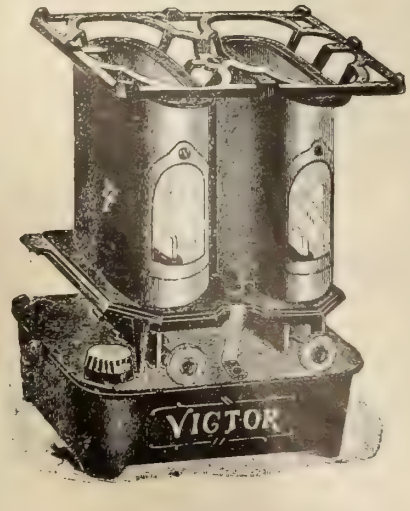


The "Star" Mower.

A. R. Woodyatt & Company, Guelph, Canada.

LARGEST HARDWARE MANUFACTURERS IN CANADA.

KEMP'S "VICTOR" and "DAISY" OIL STOVES Can't be Beat



For lightness, durability and burning qualities.

They have large Oil Founts and 4½-in. Burners, giving larger flame and consequently greater heat than other makes.

They neither smoke nor smell.

They will give your customers perfect satisfaction.

They are made in one, two and three burners.

Increase your trade by handling these leaders.

WE WILL BE PLEASED TO QUOTE YOU.

KEMP MANUFACTURING CO., TORONTO, CAN.

HARDWARE AND METAL

VOL XIV. MONTREAL AND TORONTO, APRIL 26, 1902. NO. 17.

President:
JOHN BAYNE MacLEAN,
Montreal.

The MacLean Publishing Co.
Limited

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P.E. Island and Newfoundland.

OFFICES.

MONTREAL - - - 232 McGill Street. Telephone 1255.
TORONTO - - - 10 Front Street East. Telephone 2701 and 2702.
LONDON, ENG. - - 109 Fleet Street, E.C. W. H. Miln.
MANCHESTER, ENG. - - 18 St. Ann Street. H. S. Ashburner.
WINNIPEG - - - Western Canada Block. J. J. Roberts.
VANCOUVER, B.C. - - - Flack Block. J. A. Macdonald.
ST. JOHN, N.B. - - No. 3 Market Wharf. J. Hunter White.
NEW YORK - Room 442 New York Life Bldg.

Subscription, Canada and United States, $2.00.
Great Britain and elsewhere - - 12s.

Published every Saturday.

Cable Address { Adscript, London. / Adscript, Canada.

WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

HARVEST TOOLS AGAIN ADVANCE.

HARVEST TOOLS have again advanced 10 per cent. This is the second advance in less than two weeks, and the third since the opening of the season.

The season, it will be remembered, opened at a decline of about 40 per cent., compared with the figures ruling last year, due to the collapse of the combination in the United States and the consequent threatened competition of the manufacturers of that country. There was some competition, but the demand in the home market has been so active that it was not so keen as anticipated.

The Canadian manufacturers have also been experiencing an unusually brisk demand, which, owing to the difficulty of getting raw material, particularly malleable iron, they have been unable to fully satisfy. It is under these circumstances that the manufacturers have been induced to advance prices so rapidly.

In the three advances that have been made there is a total appreciation of about 33⅓ per cent. As there is talk of still higher prices, it is possible figures may be worked up to where they were last year. And it must be remembered that iron and steel are a great deal dearer now than in 1901.

HIGHER PRICES ON WOOD HANDLES.

WHITE hickory and ash handles of the better grades are among the goods that are advancing in price this week.

White ash handles, second growth and extra, are now quoted at 25 per cent. discount off the list, while on other grades the discount is 35 per cent. The discount on hickory fork handles, firsts and seconds, is 50 per cent. off the list, and on other hickory lines 35 per cent.

The advance is understood to be due to an increasing scarcity in the particular kinds of wood from which the handles are made. There is, it appears, plenty of red wood in the country, but, so far, hardware merchants have insisted on white wood being furnished, although, it is claimed, that red wood is just as serviceable and can be finished equally well. It is thought by some in the trade that the high price of the white will result in more attention being paid to red wood handles.

NEW PRICES ON WASHING MACHINES.

THE agreement of April 17 to maintain prices between manufacturers of washing machines was signed by Messrs. Cleland Bros. & Co., Meaford; The London Foundry Co.; The Dowswell Manufacturing Co., Hamilton; F. Sandford, Fenelon Falls, and J. H. Connor & Son, Ottawa. Considerable price cutting was done by one firm, which has now become one of the combination, and the agreement will put an end to this.

The following price list was issued by The Dowswell Manufacturing Co., Limited, Hamilton, on washing machines, on April 18:

	Per doz.
Jubilee	$33 00
Ontario	33 00
Canadian	34 00
Dowswell	36 00
Peerless	38 00
Leader	41 00
Eastern Star	41 00
Hamilton	42 00
Rocker	48 00
Re-Acting, round	51 00
Re-Acting, square	54 00
Premier	54 00
Sunlight	66 00
New Century	72 00

Terms—3 per cent. 30 days, or 4 months. Freight equalized with Montreal, Ottawa, Fenelon Falls, Meaford, Toronto, Hamilton and London, on shipments of half-dozen and upwards.

A BIG COMBINATION'S EXPANSION.

THE expansion of the Atlantic steamship combination is easily the subject of most general interest in the financial and commercial world this week.

Mr. J. Pierpont Morgan, who was the chief factor in bringing about the combination last year, has been equally as active in promoting the present scheme, which enormously increases the magnitude and importance of the organization of last year.

Full details of the undertaking have not yet been made public, but enough is known to give one an idea of its importance.

The White Star Line, with its steamers aggregating 133,675 tonnage, has certainly been taken over by the combination. The White Star Line is noted for having the largest steamers plying between America and Europe, namely, the Oceanic of 17,274 tons and the Celtic of 20,900 tons.

Negotiations are apparently pending with other lines. But it remains to be seen whether they will be successful or not. It is well known that the efforts to secure the Cunard Line have so far proved abortive. The Cunard Line, in fact, appears to have got up a little combination on its own account, having, it is said, secured working agreements with such Transatlantic companies as the North German Lloyds, the Hamburg-American, Generale Transatlantique (French), and the Allan and Anchor Lines.

Mr. Morgan's steamship combination now controls about 840,077 of Atlantic tonnage, made up as follows, counting the steamers of the absorbed companies now being built :

Leyland Line	110,607
West India and Pacific Fleet	158,659
American Line	44,871
Red Star Line	131,173
White Star Line	133 675
Atlantic Transport Line	185,343
Dominion Line	73,749
Grand total	840,077

The new combination is to be incorporated under the laws of New Jersey. The exact capital stock has not yet been decided upon, but it is expected to be from $150,000,000 to $200,000,000. The money necessary to carry out the deal has already been subscribed.

The underwriting syndicate is practically the same which underwrote the Billion-Dollar Steel Trust, as it is called, and it is understood that each of the different lines comprising the steamship combination will conduct its own affairs, subject to supervision by the head centre, just as is done by the different companies which compose the steel trust.

The fact that some of the steamers which have become the property of the combination are on the British Admiralty list has caused some concern as to whether, if Great Britain was at war, she could secure these vessels if required for service. Upon this point Mr. Perkins, one of Morgan & Co.'s partners, in an interview in a New York paper says : "There will be no change in the status of steamers sailing under the British flag. In case of war Great Britain has the right to call upon these ships for service, notwithstanding they are under control of an American company."

If this is true it will greatly reconcile the British—and the Canadian public as well—to the gigantic combination which has just been effected by Mr. J. Pierpont Morgan and his associates.

BRITISH HARDWARE EXPORTS TO CANADA.

THE British trade returns for the first three months of the present year show an all-around increase in the exports of hardware, cutlery, iron and steel to Canada during that period. This will be be gathered from a glance at the following table :

BRITISH EXPORTS TO CANADA (3 MONTHS).

	1901.	1902.
Cutlery	£10,035	£10,994
Pig iron, tons	196	1,280
Tinplates, tons	2,271	4,396
Railroad iron, tons	....	3,908
Galvanized sheets, tons	339	1,119
Hardware	£5,631	£6,836

The increase is quite substantial in nearly every line. Whether, however, we can look for the increase to be maintained in the future is another matter. In some lines, particularly railroad iron and galvanized sheets, the increase is, no doubt, in part at leost due to the extraordinary demand that is being experienced in the United States, which is causing the manufacturers there to pay less attention than usual to the Canadian market.

The general export trade of Great Britain during the three months in the hardware and metal trades compares on the whole fairly well with the corresponding period of 1901. Cutlery shows a slight falling off, the figures for the respective periods being £155,931 and £146,901. In spite of an increase of nearly 20,000 tons in the exports of pig iron, the total to all countries was 149,213 tons against 163,583 tons during the same three months of 1901. Tinplates, unenumerated cast and wrought goods, railroad iron, black plates, galvanized sheets, agricultural machinery (not steam), copper, bar, angle, bolt, wire and wire rods, hoops, unwrought steel, old iron, sewing machines and cycles, all showed increases. Among the lines which showed decreases were steam engines, implements and tools, plate and plated wares, and small firearms.

One of the features of the British export trade in iron and steel for the three months was the shipments to the United States. And in this connection the following table from The Iron and Coal Trades Review will doubtless prove interesting to our readers :

BRITISH IRON AND STEEL EXPORTS TO UNITED STATES (3 MONTHS).

	Tons.	Value.	Avg. value per ton.
Pig iron	24,687	£103,995	£ 4.2
Bar, angle, etc	1,087	21,982	20.2
Wire	1,050	23,099	22.0
Tinplates	20,669	276,726	13.3
Cast and wrought, etc.	818	14,790	18.0
Unwrought steel	4,631	91,154	19.6
Steel manufactures	63	18,803	298.4
Total	53.005	£550,556	£ 10.3

The iron and steel trade in Great Britain is fair, on the whole, with prices firm, although these conditions are not nearly as pronounced as they are on this side of the Atlantic.

WHY TILSONBURG HAD ONE "L."

A good many people have no doubt wondered why the name of Tilsonburg has been spelt with one "l" when the name of the founder, George Tillson, was spelt with two "l's."

During the last session of the Ontario Legislature a Bill was introduced to spell the word with two "ll's," and it then came out that the cause of the word being spelled with one "l" was an error on the part of a clerk. But, although it was an error, the town had to get along with one "l" until an Act was passed at the last session of the Ontario Government to spell it as it was originally intended, with two "ll's," after the founder of the town, whose son, Mr. E. D. Tillson, died in January last at an advanced age.

Such are the ways of red-tape.

TRADE IN COUNTRIES OTHER THAN OUR OWN

SUPPLY AND DEMAND AND THE IRON TRADE.

QUOTATIONS of iron and steel cannot yet be considered inflated, but the market is following a natural course, despite the efforts of leading interests to maintain a conservative position. Supply and demand must in the long run govern prices, and, in this industry, needs are greater than available stocks, although productive capacity has largely expanded. Pressure for pig iron is very great, but furnacemen have contracted for their output far into the future, and consumers who want prompt delivery are willing to pay premiums. Similarly as to steel rails, the regular price of $28 has become nominal on current business, an advance of $5 a ton being readily paid for immediate delivery. This is especially noticeable on urgent trolley construction. Specifications for new buildings promise abundant additional contracts for structural material, while some mills have already sold their entire output for 1902. Machinery and hardware lines share in the exceptional activity, and are doing a brisk export business in spite of high prices.—Dun's Review.

GALVANIZED SHEETS.

The American Sheet Steel Company has started quoting net prices on galvanized sheets. This custom, according to The American Metal Market, has been more or less general in the jobbing trade for years. One large jobber in Pittsburgh states that about 90 per cent. of their sales have been made on net prices for some time. The independent mills are still quoting discounts off list, but the change instituted by the largest producer is considered a good one, as it will save considerable clerical work. The small buyer invariably insists on net quotations, and the reform means, not the introduction of any new system, but the abolishment of one of the two systems which have been in use side by side.

The immediate motive for the change seems to have been a desire to revise the relative prices in the heavy gauges. On the light gauges the new net prices show no change, but in the heavy gauges, some are lower and some are higher. This is seen in the following table :

Gauge.	List.	New Net Price.	Equivalent Discount.
14	12c.	3.06c.	70, 10 and 5½
16	12c.	3.18c.	70, 10 and 2
20	13c.	3.38c.	70, 10 and 3¼
22 to 24	14c.	3.69c	70, 10 and 2½
26	15c.	3.95c.	"
27	16c.	4.20c.	"
28	17c.	4.47c.	"

Prices on 500-bundle lots and over are slightly lower than the above, corresponding to the old discount of 70, 10 and 5 per cent., which is still quoted by the independent mills. On carload lots, for quick shipment, the market is all of 70 and 10.

PIG IRON HIGHER IN GREAT BRITAIN.

The general tone of the pig-iron market is decidedly steady, with here and there an upward tendency, which is, perhaps, most pronounced in the Cleveland district, where warrants, which last month fluctuated in the neighborhood of 46s., are now maintaining an average level of at least 1s. more, while Scotch warrants, which a week ago were quoted at 53s., now stand at 53s. 5d. No. 3 Cleveland has advanced about 6d., having been selling at about 47s. 6d., although some business was done below that figure by second hands. The average realized price per ton of No. 3 for the first quarter of the year—44s. 0.13d.—shows a reduction of nearly 10½d., as compared with the figure for the previous quarter. There is a fair demand for hematite. In Middlesbrough, prices of mixed numbers have fallen away slightly ; but in Barrow they are maintained. The following is a statement of the stocks of pig iron in public stores :—

Public stores stocks, in tons :	Wednesday.
Connal's at Glasgow	53,320
Connal's at Middlesbrough	140,500
Connal's at Middlesbrough, hematite	300
West Coast hematite	18,000
N.E.R. Stores, Middlesbrough	360

During the week ended April 7 the stocks at Middlesbrough increased by 328 tons, while at Barrow and Glasgow, there were decreases of 10 and 62 tons respectively. On the year there is an increase of 2,864 tons at Middlesbrough and 3,079 tons at Barrow, but a decrease of 4,991 tons in Glasgow. The net change during the week is an increase of 256 tons, and during the year to date an increase of 952 tons.—Iron and Coal Trades Review, April 11.

NEW YORK METAL MARKET.

The cable this morning brought news of a further very decided slump in pig tin values on the London market. It was learned that the break was due to the withdrawal as a buyer of the interest which had been supporting that market, owing to the fact that it was compelled to take too much metal to maintain its position. The price of spot tin broke £3 10s., making since Friday's close a total decline of £4 15s. Futures dropped £3 early in the day but recovered 5s. later and closed steady under liberal buying. The effect of to-day's London news on this market was not as pronounced as was the lesser decline of yesterday, for the reason that New York did not fully respond to the previous advance on the other side, and this last break puts prices there only to about a parity with New York. With the tendency downward buyers here are less inclined than ever to take hold, and the market closed dull though the tone was steadier than earlier in the day. Spot was held at 27.75c. with 27.50c. bid ; April was quoted at 27.25c. bid and 27.75c. asked ; May, 26.90 @ 27.25c., and June, 26.50 @ 27c.

The quotations cabled from London were as follows :

	Noon.	Close.
Spot tin	£126 0s. 0d.	£126 0s. 0d.
Tin, three months	122 15s. 0d.	123 0s. 0d.
Sales of spot		150 tons.
Sales of futures		450 tons.

COPPER.—There was a renewal of speculative interest in standard here today, resulting in sales of 200 tons July at 11.25c. There was very little trading in the open market, business being restricted to occasional sales of small lots to cover passing wants of smaller consumers. Lake was held at 12.25c., but the views of large buyers were not above 11.75c. For electrolytic 11.60c. was bid and 12c. asked, but no doubt the latter price would have been shaded. For casting 12c. was nominally quoted. The closing quotations on standard were 11.10 @ 11.30c. for May, June and July. London was weak this morning, declining 7s. 6d., but recovered 2s. 6d. of the loss after noon and closed steady.

The London market was reported by cable as follows :

	Noon.	Close.
G. M. B. copper	£52 12s. 6d.	£52 15s. 0d.
G. M. B. copper, 3 months	52 12s. 6d.	52 15s. 0d.
Sales of G. M. B. spot		450 tons.
Sales of G. M. B. futures		200 tons.

PIG LEAD.—The London market continues to advance, to-day's rise of 1s. 3d. putting the price 7s. 6d. above the point at which the upward movement began. The New York market remains uninteresting with prices steady at 4.10 @ 4.15c. as to quantity and date of delivery. The St. Louis market was reported to be quiet at 3.97½ @ 4c.

SPELTER.—In sympathy with recent advices from the West the market here is easier and a shade lower, spot being quoted at 4.42½c., and May-June at 4.37½c. St. Louis was quiet at 4.15c. The London market was unchanged.

London, April 22.—G. M. B. spelter firm at £18.

REGULUS ANTIMONY.—Business is of a moderate jobbing character, and prices are unchanged at 10¼c. for Cookson's ; 8 @ 8¼c. for Hallett's, and 7½ @ 8c. for other brands.

OLD METALS.—Nothing new was noted in this market. The demand was slow with the tone steady.

Although the demand for foundry pig lacks the strength shown until very recently there is no prospect of early relief from the great scarcity of material. Deliveries are delayed because the furnaces have not been able to catch up with their contracts, and are in many instances so far behind that foundrymen with deliveries on low-priced contracts due have to pay high premiums on what little iron they can pick up. A local agent of a large Southern company states that many foundries are consuming more iron than they had expected to use and are asking to have deliveries anticipated. The companies, however, are unable to comply. While some of the furnace companies are under the impression that foundrymen are overbuying, he fails to find any evidence in support of it among his customers. On the other hand, he knows that some foundrymen have bought iron on speculation and have tried to have their contracts turned over to other parties. The companies, however, endeavor to avoid making such deliveries on the ground that they sold the iron to the original buyer for his own consumption. A Pittsburgh report is to the effect that The United States Steel Corporation contemplates importing large quantities of Bessemer iron, and asserts that The Bessemer Furnace Association finds that it will be unable to deliver in the fourth quarter the proportionate amount of the recent sale of Bessemer iron to the Trust. Such delivery, the report says, will be deferred.

Continued activity exists in nearly all branches of finished material, and very full prices are being paid for anything obtainable for delivery at a reasonably early date. Some large lots of angles are coming from abroad, it is reported, and will relieve the stringency in that line temporarily, at least.

TINPLATE.—The market remains very quiet, the only movement being in the way of deliveries on contracts. Prices are maintained at the previous quotations.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

WALTER ANDERSON, Hamilton, Ont., has been appointed permanent liquidator of The Canada Can Co., Limited, manufacturers, Dundas, Ont.

Thomas Turff, builder, Toronto, has assigned to R. H. McKay.

John Coyne, general merchant, Portage du Fort, has effected a compromise.

Gauthier & Dufresne, lime burners, Montréal, are offering to compromise.

Thomas Dunn & Co., Limited, hardware merchants, Vancouver, B.C., have assigned.

P. Ferland, general merchant, St. Jean Chrysostome, Que., has assigned to V. E. Paradis.

W. J. Clelland, general merchant, Hemmingford, Que., has compromised at 50c. on the dollar.

Ovide Martin, general merchant, St. Guillaume D'Upton, Que., has assigned to Lamarche & Benoit.

The creditors of James Hamilton, hardware merchant, Woodstock, Ont., held a meeting on April 25.

John McConville & Co., general merchants, Texada City, B.C., are offering to compromise at 50c. on the dollar.

V. E. Paradis has been appointed curator of P. Langlois, general merchant, St. Gregoire, Nicolet Co., Que.

F. W. Foster, general merchant, Ashcroft, B.C., has assigned to Hugh Davidson, and his creditors held a meeting on April 23.

PARTNERSHIPS FORMED AND DISSOLVED.

Guy & Lefebvre, tanners, Edmonton, N.W.T., have dissolved.

Roussin & Desjardins, blacksmiths, etc., Montreal, have dissolved.

Poirier & Therien, general merchants, St. Remi, Que., have dissolved.

C. F. Comer & Co., hardware merchants, Calgary, N.W.T., have dissolved.

Ratz Bros., sawmill proprietors, Khiva, Ont., have dissolved. John Ratz continues.

Pavey Bros., carriagemakers, St. Thomas, Ont., have dissolved; Eli Pavey continues.

W. A. Kirkpatrick & Son, harnessmakers, etc., Toronto, have dissolved; W. E. Kirkpatrick retires.

Theodore Goulet & Co., manufacturer of sashes and doors, Shawenegan Falls, Que., have dissolved.

SALES MADE AND PENDING.

The assets of C. Collette, general merchant, St. Antoine, Que., have been sold.

M. W. Stroud, general merchant, Beaverton, Ont., is offering his stock for sale.

The assets of The Shipe Manufacturing Co., Limited, rims, skewers, etc., Clarksburg, Ont., are advertised for sale by tender.

William Murray, blacksmith, Victoria, B.C., is offering to sell out.

The stock of O. Rajotte, general merchant, Shawenegan Falls, Que., has been sold.

J. C. Nation, general merchant, Morpeth, Ont., is advertising his business for sale.

The Strathcona Electric Light Company, Limited, Strathcona, N.W.T., have sold out.

The assets of L. B. Fontaine, general merchant, St. Jacques, Que., are to be sold on April 29.

The trustees of the estate of R. B. Canfield, general merchant, Wallace, N.S., are advertising for claims.

An assignee's sale of the land of James Ritchie, sr., blacksmith, insolvent, Amherst, N.S., is advertised for May 1.

CHANGES.

Chapleau & Desjardins, masons, Montreal, have registered.

Marier & Tremblay, painters, etc., have registered at Quebec.

P. Dionne & Cie., contractors, Montreal, have registered.

Delorme & Cardinal, lumber merchants, Montreal, have registered.

Delorme & Cardinal, lumber merchants, Montreal, have registered.

P. Therien & Cie., general merchants, St. Remi, Que., have registered.

J. M. Hyde, general merchant, Vanessa, Ont., is succeeded by G. A. Howey.

J. H. Alliss, hardware merchant, Essex, Ont., has sold out to I. L. Cooke.

Wier & Hannan, machinists, Picton, N.S., are succeeded by Robb & Sons.

W. C. Latimer, general merchant, Creemore, Ont., has removed to Beaverton.

B. J. Collins, harnessmaker, Edmonton, N.W.T., has sold out to Wm. McArtney.

Alphonse Lefebvre & Co., hay merchants, St. Hugues, Que., have registered.

V. H. Pickering & Co., bankers, Shoal Lake, Man., are succeeded by Saltwell & Co.

D. C. McArthur, general merchant, Ninga, N.W.T., has sold out to N. J. Ryan.

S. A. Stockton, general merchant, Anagance, N.B., has sold out to G. W. Stockton.

J. Menzies, general merchant, Westholme, B.C., has sold the Chemainus branch to Hy. A. Howell.

The stock of Bellvance & Frere, general merchants, St. Fabien, Que., has been sold to Ed. Petitgrew, Trois Pistoles, Que.

J. E. Corbett, general merchant, Harbor au Bouche, N.S., is opening a branch at St. Peter's, under the style of J. F. Corbett & Sons.

The V. & B. Sporting Goods store, general merchants, Que., have disposed of the stock of Magnan & Frere to Cote, Boivin & Co., Chicoutimi, Que., at 67½c. on the dollar.

Gillespie, Bell & Co., dealers in automobiles, etc., Ottawa, have started business.

Sauve & Dagenais, wholesale and retail hardware merchants, etc., Montreal, have registered.

E. F. Bonsell, agricultural implement and bicycle agent, Almonte, Ont., is starting business.

Albert White, hardware, boot and shoe, and furniture merchant, Dutton, Ont., is closing out his boot and shoe department.

W. B. Bashford, hardware merchant, Rosthern, N.W.T., is reported to be succeeded by The Canada Territories Corporation, Limited.

Thomas Birkett & Son, Limited, wholesale and retail hardware merchants, Ottawa, have disposed of their Rideau street branch to Thomas Shore.

FIRES.

W. G. Simmie, Clavering, Ont., had his sawmill burned.

Henry Boyce, bicycles and billiards, Hull, Que., was burned out.

James A. Todd, general merchant, Oak River, has sustained loss by fire; the damage is covered by insurance.

Robertson & Hackett, lumber merchants, Vancouver, B.C., have suffered loss by fire; their property was insured.

L. H. Clarke & Co., grain merchants, Toronto and Kingston, had their Kingston premises slightly damaged by fire; the loss is covered by insurance.

DEATHS.

James Anderson, wood dealer, Ottawa, is dead.

Thomas B. Brophy, contractor, Ottawa, is dead.

R. Rolston, lumber merchant, Killarney, Man., is dead.

R. Rolston, lumber merchant, Killarney, Man., is dead.

M. F. Goodwin, coal merchant, etc., Stratford, Ont., is dead.

James Kerrigan, of The Kerrigan Hardware Co., wholesale hardware merchants, London, Ont., is dead.

Francis Tufts, produce and lumber merchant, St. John, N.B., is dead.

Daniel B. Palmerston, of Palmerston & Madden, tinware and stove merchants, Simcoe, Ont., is dead.

WIRE NAILS
TACKS
WIRE

Prompt Shipment.

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

WHO SHALL BE MASTER?

THE following interesting letter appeared in The Montreal Gazette a few days ago. It was signed by Mr. C. T. Williams, of George W. Reed & Co., the well-known roofers of Montreal, and explains itself :

Editor Gazette,—An item in a late issue of your paper, referring to the demands of the metal roofers for a new scale of wages, contains the following sentence: "One large firm has refused to consider it." As the firm of G. W. Reed & Co. is evidently the one referred to, I should like to state plainly my position.

On the receipt of the circular from the local union, I placed the following letter in the hands of my men in order that there might be no ground for misunderstanding between us:

"To my employes,—I am in receipt of a circular from 'Local Union No. 116,' asking me to sign articles of agreement with them to take effect on May 1 next. I wish to say to the men in my employ that, after watching the results of such agreements, I am satisfied that they are not a benefit, either to the workmen, or the employer, and that I cannot undertake to risk capital or do business on such a basis.

"There are two items in the circular to which I especially object, and which I cannot accept under any conditions:

"1st. 'That the agent of the union shall have right of access to the shop, or work, at any time.'

"This I cannot permit. If any man has any cause of complaint, I am always ready to listen to him, and, if possible, come to an agreement in the matter; but no outsider has any business to come in between the men and myself, and will not be allowed on the premises.

2nd. 'None but members of Local Union No. 116 to be employed.'

"Any man has a right to decide for himself whether he wishes to belong to the union or not, and it is not for me to compel him to do so against his will. The only questions I have to ask are: 'Is he honest?' and 'Can he do his work?'

"Another thing I have always objected to is the placing of men on a level in regard to wages. Every man has a right to all he is worth, and no more. I would rather have a good man than poor, and am ready to pay each man all he will make himself worth without regard to the others.

"The relations between the firm and the men have been pleasant for many years, and I hope they will always remain so. I do not know who are and who are not union men, and do not wish to know. I can only add that if anyone cannot work under these conditions, I shall be sorry, but we shall part good friends. I only ask that you let me know at once, so that I can act accordingly."

It is not with me a question of wages. The house has always paid the highest market rates, and will continue to do so. Our best men, according to their own testimony, are perfectly satisfied with their wages, and wish to remain at work in what they claim is the best shop in the city, but the union has ordered that unless I sign their agreement they must strike. The whole thing is an attempt on the part of professional agitators from the United States to force Canadian employers of labor to submit to their dictation. It matters nothing to them that the pleasant relations of years between the employer and his men shall be broken up, nor how much the family of the honest workman shall suffer, so long as they can make a show of authority. As one of them told me only last week, "unless you sign that paper, you will not be allowed to finish your contracts."

I have always had to earn my own living. I know from experience what the life of a tradesman is. I have for years had control of men, but I long ago came to the deliberate conclusion that before I would sign any agreement that placed capital and credit at the mercy of professional agitators I would close up my business and find some more self-respecting method of earning a living.

The Moment You Accept

THE SHERWIN-WILLIAMS PAINT AGENCY

that moment you become part and parcel of one of the greatest, most forceful, most energetic, and most successful business organizations in the whole world. From that moment you begin to get selling helps that will lift up your general business, that will make your paint department more successful, better paying. When we sell a merchant a bill of goods, our interest in him has just begun. We stay by him through thick and thin, we push with him and for him, we never let up advertising for him, we are constantly thinking and planning new ways to get him paint orders, new ways to help increase his general sales. Our whole aim is to make him still more successful, to make his paint department a pronounced success.

If you would like to know more about our goods and our methods, if you want to avail yourself of all the helps we are ready to give you, send for the B-13 Booklet.



THE SHERWIN-WILLIAMS CO.

PAINT AND VARNISH MAKERS.

CHICAGO, NEW YORK, NEWARK, MONTREAL, CLEVELAND, BOSTON, TORONTO, SAN FRANCISCO, KANSAS CITY.



LE PAGE DOOR CHECK CO.

The Le Page Door Check Co., Toronto, whose address was given in an advertisement in the recent special number of HARDWARE AND METAL as 1397 King street west, have removed, and are now located at 102 Tyndall avenue.

COAL OIL STOVES CHEAP.

The Rochester Lamp Co., 24 Front street west, Toronto, are having a clearing-out sale of coal oil stoves to make room for fall stock. The line includes the blue flame electric oil cook stoves, which are well known among the trade. The coal oil stove season is now in full swing and the opportunity is a rare one to any dealer who wants to make a quick and profitable turnover. An advertisement on page 22 gives further particulars.

THE STATE OF MAINE.

Maine is generally known as the "Pine Tree State." A native of Portland, Maine, was asked by a Westerner what they chiefly raised in addition to clams and rocks "'way down in Maine."

"Men!" came the prompt reply.

Dunlop Bros. & Co., the hardware merchants of Amherst, N.S., have an international reputation, having customers on both sides of the border, as the following will show :

In a letter from Rangeley, Maine, Mr. T. W. Mitchell, a "man of Maine" and a carriagemaker in Rangeley, says: "Messrs. Dunlop Bros. & Co., Amherst, N.S.: Please find funds enclosed, for which send me coach painters' drop black, as I cannot get the right thing here. I find that the Canada Paint Co.'s drop black in japan stands the best of any I have ever used."

NEARING COMPLETION.

The refrigerating plant that is being installed in the premises of several produce merchants on Front and Colborne streets is advancing towards completion. The boilers and engines are now being installed, and the whole thing is expected to be in operation by May 15.

BACK FROM THE WEST INDIES.

MR. ROBT. MUNRO, managing-director of the Canada Paint Co., and president of the Canadian Manufacturers' Association, and Mr. E. F. M. Stuart, also of the Manufacturers' Association, have returned to Montreal after making a tour of the West India Islands on the lookout for openings for Canadian trade with those colonies.

Speaking to a representative of HARDWARE AND METAL, Mr. Munro said that he very much appreciated the prominence that this journal had always given to the doings of the Manufacturers' Association.

Of their trips, he said: "We visited nearly all the Islands and Jamaica, and none of the important points were passed by. Mr. Stuart is at present engaged in preparing a report, which will be submitted to the Manufacturers' Association in a few days. We met all the Chambers of Commerce or leading merchants and planters of the Islands, and were well received everywhere. There is great room for improvement in the share that Canada enjoys of the trade of these Islands, and, with the existing friendly attitude of the people there toward us, the present time is opportune to foster that trade. As sister colonies, they are proud of Canada's achievements in the trouble in South Africa. I am sure they will give a cordial welcome to representatives of Canadian manufacturers who should wish to show their goods there.

"As to the conditions of the Islands, it must be said that some of them are still suffering from the terrible depreciation of sugar, and there is great anxiety shown as to what the Government of Great Britain will do until the bounties are abolished. But, at any rate, the trade of the West-Indian Colonies is well worth the attention of the manufacturers of Canada."

Mr. Munro did not care at present to go into the subject of what lines of trade could be made most profitable between Canada and the Islands. After the publication of Mr. Stuart's report a more comprehensive grasp of the subject would be afforded.

500 STORES OPEN ON SUNDAY.

The Montreal police have made a canvass of that city and have found that no less than 500 stores are kept open there on Sundays. The rental of these stores vary all the way from $30 a year to $1,000, and foreigners are found to largely predominate amongst the owners. These will be tabulated according to nationality, and the widows and sickly will be separated from those run by able bodied men.

After this is done the police will be able to decide on whether they will enforce Sunday closing or not.



A Bicycle so constructed that, with each thrust of the pedal, its hanger is forced to move out of alignment, **RUNS HARD** and will not wear well, as chain, sprockets, bearings and rear wheel are all subjected to unusual strains.

The Iver Johnson Truss Frame is the Solution

as this construction strengthens the frame and adds rigidity to the crank hanger, with the accruing results o "easy running" and durability.

(FRAME PATENTED)



Agents wanted in unoccupied territory.

Catalogues mailed free upon application.

IVER JOHNSON'S ARMS & CYCLE WORKS,

New York Salesrooms 99 Chambers St. FITCHBURG, MASS.

The ZANZIBAR PAINT CO., Limited

Toronto. SOLE MANFRS.

ZANZIBAR HOUSE PAINTS.
Strong Colors, Durable Gloss, Uniform and Smooth.

ZANZIBAR FLOOR PAINTS.
Easily Spread, Elastic and Durable—Dry Quickly and Hard.

ZANZIBAR ROOF AND BARN PAINTS.
Low Priced, Smooth Body, Weather-Proof.

Zanzibar Shingle Stains contain no anilines, but best pigments—Permanent Colors, Strong Preservative.

NOTE:—We're a strictly Canadian house, buying all we can in Canada, quality being equal, and we will appreciate your patronage or an opportunity to tell you more about ourselves and our goods.

TRADE MARK

NOBLES & HOARE · NH · LONDON

Nobles & Hoare,

CORNWALL ROAD STAMFORD STREET.

LONDON, ENG.

Manufacturers of

HIGH-CLASS VARNISHES ONLY

Which can be obtained direct from the works or from the principal Color Dealers in Canada.

"The Peerless" is the best Bolster Spring ever produced. A fine line for the hardware trade. Write Us For Prices.



James Warnock & Co. = Galt, Ont.

H. S. HOWLAND, SONS & CO.

WHOLESALE ONLY — 37-39 Front Street West, **Toronto.** — ONLY WHOLESALE

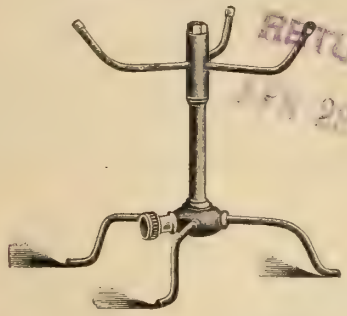
HOSE TIES.



"HUDSON."

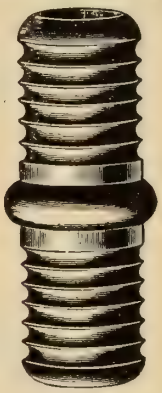
"Hudson," ½, ¾ inch.
Cardwell's, ½, ¾ inch.

LAWN SPRINKLERS.



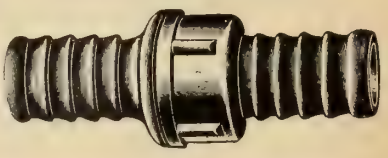
"Crescent,"—(as cut).

HOSE MENDERS.



½, ¾, 1 inch.
Galvanized.

HOSE COUPLINGS.

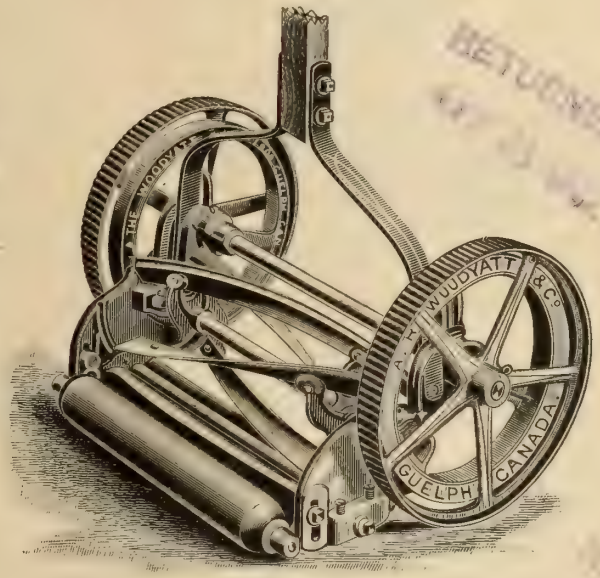


Galvanized—½, ¾, 1 inch.
Brass —½, ¾, 1 inch.



CLANCY'S.

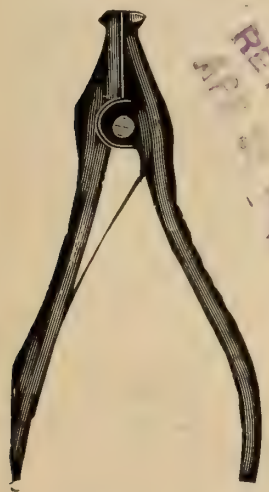
Steel—½, ¾, 1 inch.
Galvanized.



"WOODYATT."

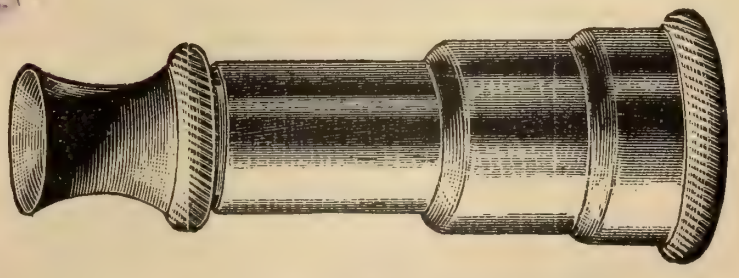
"Star," 12, 14, 16 inches.
"Woodyatt," 12, 14, 16, 18, 20 inches.

HOSE PLYERS.

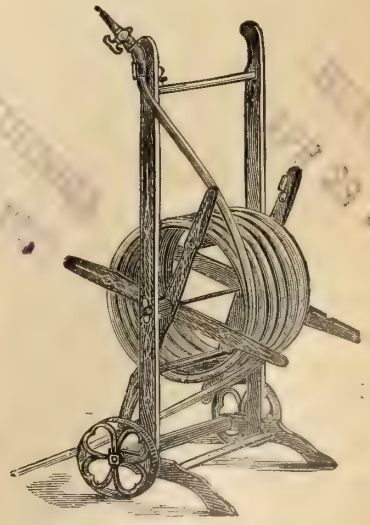


"Hudson."—(as cut).
"Cardwell."

HOSE NOZZLES.



"Gem,"—Brass (as cut)
"Magic,"—Brass.



Rubber Hose.
Hose Reel, "Jim Dandy."

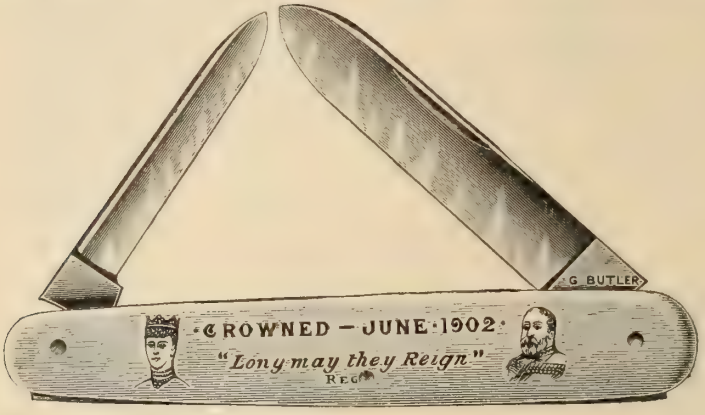
H. S. HOWLAND, SONS & CO., Toronto.

OUR PRICES ARE RIGHT — **Graham Nails are the Best.** — WE SHIP PROMPTLY

Factory: Dufferin Street, Toronto.

CORONATION CUTLERY.

THE coming Coronation in England is an event that is eagerly looked forward to by many. Few people now living were at the coronation of Queen Victoria in 1837, and this has its effect in making people more desirous to view and remember this coming event. Preparations are already being extensively made, and numbers of merchants and manufacturers are placing souvenir goods on the market. And amongst others worthy of note are the Coronation pocket knives, scissors and razors of George Butler & Company, Trinity Works, Sheffield, England. These special lines are all handsomely gotten up, with finely engraved photographs of King Edward VII. and his Queen, and are all suitable for presents.



The prices of these goods are reasonable, that of the pocket knives varying from 18s. to 120s. per dozen, of the scissors from 1s. 6d. to 5s. per pair, and of the Coronation razors from 2s. 6d. to 5s. each. The scissors and razors may be had in cases at 40s. to 60s. per case of 6 pairs of scissors, and 13s. 6d. to 21s. per pair of razors in a case. The engraving is a representation of their Coronation pocket knives.

WIRELESS TELEGRAPHY.

The Canada Paint Company are contemplating the advisability of installing the aerial telegraphic system to maintain communication between their several factories and branches. In Toronto the office is at Bay street and the factory at Leslie street. In Montreal, in addition to the main works at No. 572 William street, there is a warehouse on Chatham street and the dry color plant situated on St. Patrick street. At St. Malo, Que., are the oxides mines, and near St. John, N.B., this company produce the diamond graphite. The Canada Paint Company like to be in close touch with their "outports" as it were, and the adoption of the Marconi system will in no way interfere with their present admirable Bell telephonic arrangement, which The Canada Paint Company at present patronize most liberally, and they, in fact, intend to avail themselves still more of the facilities for intercommunication offered by the telephone, which has proved such a powerful aid to the business community.

TOURIST TRAVEL IN NEW BRUNSWICK.

The Tourist Association of St. John, N.B., is preparing for a larger influx of tourists into that part of the Dominion this summer than ever before. It will send out 35,000 copies of its annual book, and issue a handbook of St. John, similar to that of last year. The Association has opened a bureau of information in the Board of Trade rooms, and has made arrangements with a number of lecturers to include references to that district in their course. It will furnish the lantern slides for this work. An effort is also being made to induce capitalists to build summer hotels, as the accommodation for visitors is at present inadequate.

THE ANTI-TRADING STAMP LAW.

The Court of Appeal has decided in a test case that the Ontario Legislature has power to pass an Act giving municipalities the right to prohibit trading stamp companies operating within their own boundaries. The Trading Stamp Act of 1901 is legal according to this.

Toronto City Council took advantage of this last year and trading stamp concerns in the city were closed on January 1 last. Announcements were made by the companies that they had closed down temporarily until the Court of Appeal had given its decision as to the power of the Legislature to pass the Act.

WILL SELL CANADIAN GOODS.

Mr. J. W. Walker, who was in Toronto a few months ago en route to Great Britain after having spent several years in Canada, has a general commission business at 65 Robinson street, Glasgow, under the style of J. W. Walker & Co. The firm will make a specialty of Canadian products.

A NEW NAVIGATION COMPANY.

THE Algoma Navigation Company, Limited, Owen Sound, has recently been incorporated. The board of directors is as follows: John W. Munro, M.P.P., lumberman, Pembroke; Chas. A. McCool, M.P., lumberman, Ottawa; Angus McLeod, M.P., lumberman, Bracebridge; Geo. McCormick, M.P., lumberman, Orillia; Louis J. Breithaupt, M.P.P., tanner, Berlin; James A. McArthur, general manager Canadian Copper Co., Sudbury; Albert J. H. Eckardt, manufacturer, Toronto; T. M. Kirkwood, vessel owner, Toronto; F. M. Holland, general manager Dominion Permanent Loan Co., Toronto; John A. McKee, manufacturer, Toronto.

The capital stock of the company is placed at $250,000, divided in 2,500 shares of $100 each and there is being issued for present needs a bond issue of $150,000 of first mortgage bonds paying 6 per cent. These are guaranteed by the Trust & Loan Guarantee Company, Limited, of Toronto.

The boats of the Owen Sound, Georgian Bay Soo line will be taken over by this company. These boats ply between Owen Sound and Sault Ste. Marie and have been doing so since 1897 when the City of Windsor started on the route. The traffic increased very much and the City of Owen Sound was built and added to the line. This season the new company will add a new steamer to the vessels already on the route which will make two trips a week between Owen Sound and the Sault.

BERLIN (ONT.) MERCHANTS ORGANIZE

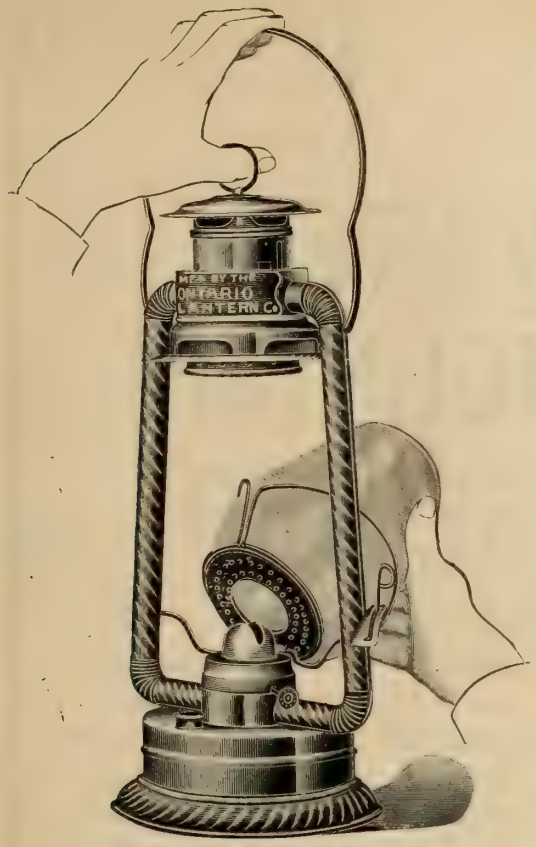
A branch of the Retail Merchants' Association of Canada has just been formed at Berlin and Waterloo, to be known as the Berlin-Waterloo Branch of The Retail Merchants' Association of Canada. The officers of this Association are:

President—C. H. Mills, dry goods merchant, Berlin.
1st Vice-President—George Hasenflug, grocer, Waterloo.
2nd Vice-President—A. Weseloch, boot and shoe merchant, Berlin.
Treasurer—L. R. Clark, druggist, Berlin.
Secretary—S. A. Brubacher, grocer, Berlin.

The officers of the grocers' section of this Association are as follows:

Chairman—E. B. Dunke, Berlin.
1st Vice-Chairman, George Hasenflug, Waterloo.
2nd " A. S. Hallman.
Treasurer—E. J. Shantz.
Secretary—Geo. Metcalfe.

Dryden & Gibson, agricultural implement dealers, Moncton, N.B., are offering to compromise; they have liabilities of about $15,000, and assets of about $5,000.



We also manufacture the celebrated
"RADIANT SHELBY" INCANDESCENT LAMP.
WRITE FOR PRICES.

Standard Light Producing Goods:

"Banner," Cold Blast
"Banner Junior," Brass
"Climax," Safety
"Little Bobs"

LANTERNS

Superior to all others. Perfect in Combustion.

Handsome in Appearance.

For sale by all prominent Hardware and Lamp Goods Merchants throughout the Dominion.

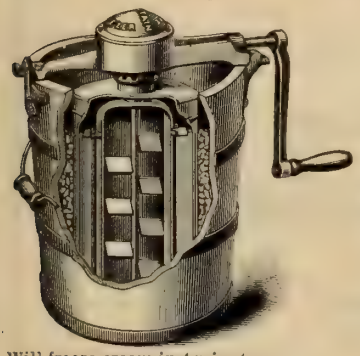
WRITE FOR CATALOGUE AND PRICES.

Manufactured by

The Ontario Lantern Co., - Hamilton

WALTER GROSE, Selling Agent, Montreal.

It Pays the Dealer



Will freeze cream in 4 minutes.

TO HANDLE THE

White Mountain Freezer

BECAUSE

It is the best acting, best looking, strongest, most durable and best selling freezer manufactured.

There is not a weak point about it or a waste part to it.

It embraces all the good features to be found in all other freezers, and many more besides that are peculiar to itself.

SOLE AGENTS FOR CANADA:

THE McCLARY MANUFACTURING CO.,

London, Toronto, Montreal, Winnipeg, Vancouver, St. John, N.B.

CORDAGE

ALL KINDS AND FOR ALL PURPOSES.

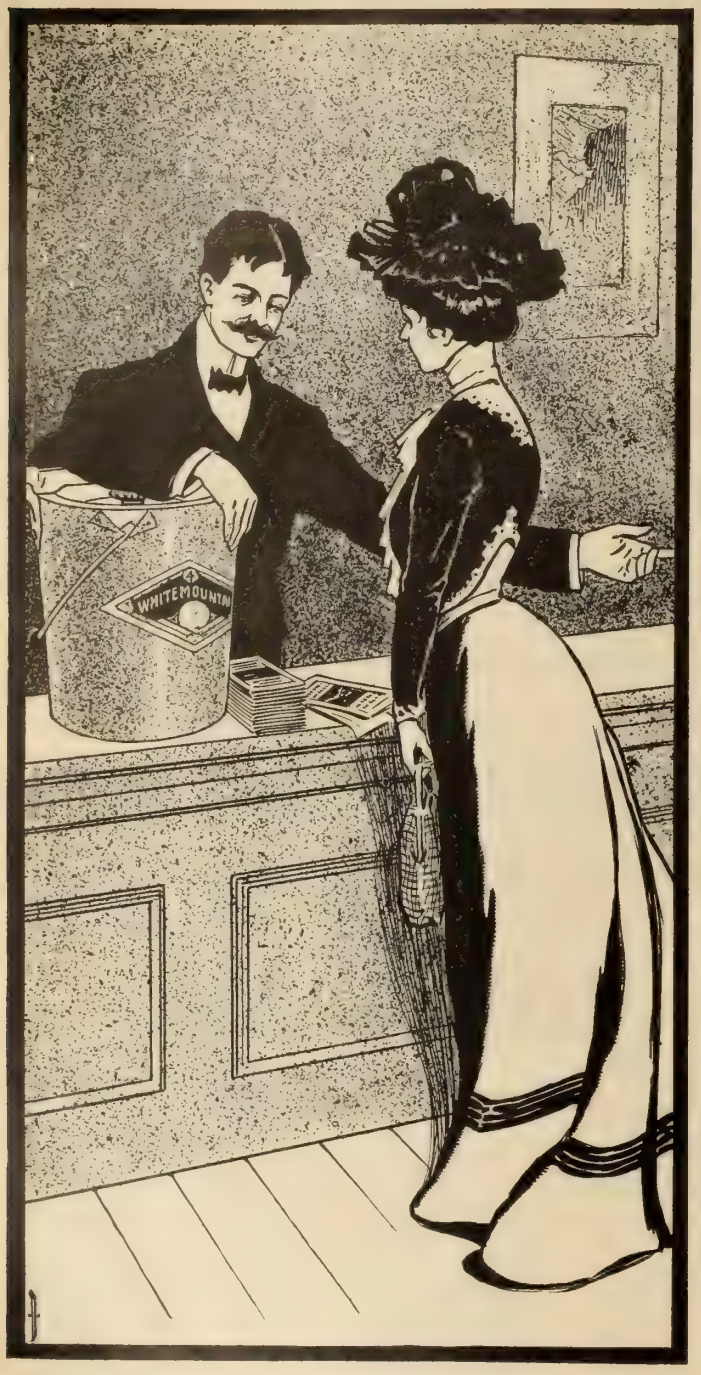
Manila Rope	Lathyarn
Sisal Rope	Shingleyarn
Jute Rope	Bale Rope
Russian Rope	Lariat Rope
Marline	Hemp Packing
Houseline	Italian Packing
Hambroline	Jute Packing
Clothesllines	Drilling Cables
Tarred Hemp Rope	Spunyarn
White Hemp Rope	Pulp Cord
Bolt Rope	Lobster Marlin
Hide Rope	Paper Cord
Halyards	Cheese Cord
Deep Sealine	Hay Rope
Ratline	Fish Cord
Plow Lines	Sand Lines

"RED THREAD" Transmission Rope from the finest quality Manila hemp obtainable, laid in tallow.

CONSUMERS CORDAGE COMPANY, Limited

Western Ontario Representative—
WM. B. STEWART,
Tel 94. 27 Front St. West, TORONTO.

MONTREAL, QUE.



The dealer who sells the

WHITE MOUNTAIN FREEZER

has the confidence of the buying public. They know him and trust him. They get into the habit of visiting his store and buying what he has to sell. He not only gets the Freezer trade but other trade. He does the Hardware business of his town.

Isn't it possible that the White Mountain Freezer might do for you what it has done for others?

Our Agents in Canada are:

The McClary Manufacturing Co.,

LONDON, TORONTO, MONTREAL, WINNIPEG, VANCOUVER AND ST. JOHN, N.B.

Write them for the new 1902 White Mountain Catalogue; it tells the best freezer story ever printed, in the most attractive way.

White Mountain Freezer Co.,

Nashua, - New Hampshire.

The Toronto Silver Plate Co.,
Limited

SILVERSMITHS and MANUFACTURERS of

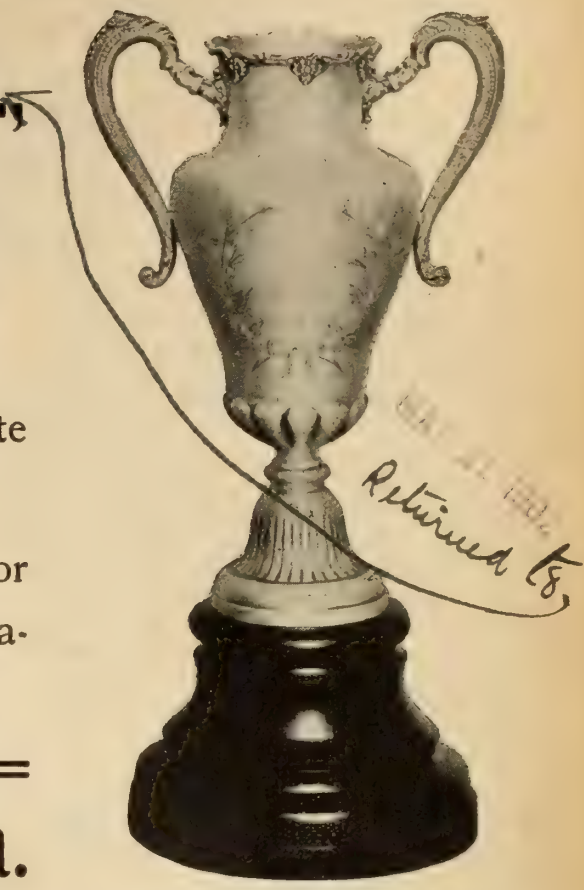
ELECTRO SILVER PLATE

If interested in Prize Cups and Trophies write for our new Catalogue of same.

Bear in mind that we are NOT IN THE TRUST, or are we members of any Silverware Association or Combine.

Factories and Salesrooms, King Street West, **Toronto, Canada.**

E. G. GOODERHAM, Managing Director.



No. 1290 Trophy.

Ready For Business

IN OUR NEW WAREHOUSE

— WITH COMPLETE STOCK —

Shelf and Heavy Hardware,

Wheelbarrows, Lawn Mowers, Rubber Hose, Etc.

Tin, Canada Plate, Galvanized Iron.

Telephone us your rush orders, we have a special long distance telephone.

MAIL ORDERS OUR SPECIALTY.

THE SEYBOLD & SONS CO'Y

478 St. Paul St., 77 D'Youville Square, . . MONTREAL.

McCLARY'S BALL A SUCCESS.

THE second annual ball and supper of the Employes' Benefit Society of The McClary Manufacturing Co., London, Ont., proved to be fully as successful and enjoyable as its predecessor a year ago. The adoption of the plan of holding an annual ball has evidently met with the complete approval of the firm's employes, and there seems no reason to doubt that future affairs of the kind will meet with fully as much success as, if not more than, the two enjoyable events already held. The fact that they are under the auspices of the benefit society is sufficient reason for them being enthusiastically carried through by the employes of the McClary works, for their proceeds are devoted to a worthy object, the assisting of employes, who, through continued illness or disability, become in need of such aid. The society has done a good work in the past, and under the able guidance of its present officers, and with such loyal support as is rendered by the employes, it seems certain to do still more good. The result of last night's function will be the adding of a tidy sum to the funds of the benefit society.

At the hall over 150 couples thronged the floor of the city hall and joined in the merry dance from 9 p.m., when the grand march was led off by Col. Gartshore, president of the company, and Miss Patten, till an early hour in the morning. Every one of the 26 numbers on the programme was enjoyed to the full by the dancers. Mr. Fred Floyd proved an ideal master of ceremonies, and kept things moving with smoothness and celerity. The hall was artistically decorated with bunting and flags, while the floor was in prime condition. A number of spectators watched the gay scene from the galleries and seemed to find as much pleasure in the spectacle as the merry participants themselves. About midnight a tasty supper was served at the Walsh House.

A pleasing feature of the affair was the enthusiasm with which members of The McClary Company entered into the initial arrangements and actual enjoyment of the ball. Every assistance was given the society in their efforts to make the ball a success, and members of the company were seen on the floor entering with zest into the mirthful spirit of the occasion. It is this cordial co-operation of sympathy between employers and employes which explains in a great measure the continued prosperity and success of the big manufacturing industry, of which the city of London is so proud.

The general ball committee, which worked faithfully and efficiently to make the ball an event to be long remembered by those present was composed as follows:—Hon. President, John McClary; president, W. M. Gartshore; 1st vice-president, J. Nicholson; 2nd vice-president, J. Pirie; secretary, F. J. Delaney; physician, Dr. B. Bayley; R. Spencer, H. Jinks, S. Reid, E. Wingett, D. Wilson, F. French, W. Bowden, H. Woodman, E. Donovan, C. Burns, M. Delaney, J. Head, J. Noulty, T. Hogg, J. Musner, F. Page, W. Dunham, C. Barker, J. Wolcott, Miss McNiff, Miss Osmond, Miss Orchard, Miss Porter, Miss Patten.

USEFUL SURPLUS PRODUCTS.

A HIGHLY interesting article in the March Engineering Magazine, entitled "The Fallacy of Over-Production," maintains that it is impossible to produce too much of any useful article, the argument being that systematic storage of supplies will take care of any temporary surplus. This is indicated by the following brief extracts from the article:

"The fact that most people believe that the accumulation of unsold goods is caused by 'over-production,' or that twin absurdity, 'under-consumption,' is not to be wondered at. On its face the theory seems to be self-evident, just as it seems to be self-evident that the sun rises and sets. But there is no more truth in one than in the other. This plausibility is what makes these terms so deceptive and mischievous, and probably no other popular error has done so much harm in the industrial nations of the world.

"By creating the modern systems of transportation, and by inaugurating the present system of cold storage, two long strides have been taken. Neither of these advances would have been possible but for the existence of one of nature's greatest gifts to man, temporary surplus production. Yet another long stride forward will be taken when the producers of staple commodities like coal, iron, steel, tin, copper, lead and rubber clearly understand that the present systems of storing these products are wholly inadequate. In the case of perishable agricultural produce, Nature long ago made it necessary for the merchants and bankers who handle them to adopt scientific systems of negotiable warehouse receipts for their safe storage. But in the case of the less perishable staples of manufacture, we are still hobbling along with the antiquated methods of our grandfathers—every producer for himself, and the devil take the hindmost. The result is shown in the violent fluctuations of market values which we have lately seen in coal, iron, steel, copper, and rubber—extreme fluctuations which are wholly needless, and which are certain to be rendered impossible so soon as producers, merchants, bankers and brokers can be brought to see the demoralization and waste that spring from mere lack of system in storing and carrying temporary surplus supplies of materials which form the very basis of all industry and all wealth.

"Is there anything in nature or history which does not teach man that if he would have anything when needed, he must gather it when it can best be produced? Is it not good business to gather surplus products when they are plenty and cheap and hold them until they are scarce and high? Have any 10 years passed in the recollection of men now living, in which the people of the foremost manufacturing nations have not suffered for the want of an adequate supply of some of the great staples—coal, iron, steel, tin, copper, rubber—which might have been stored up in times of dull trade? Has anyone ever heard of useful manufactured products being destroyed for want of a market? Have they not all been consumed in time? Is not this proof that each one of the overproduction claims put forth during the last two and a half centuries has been rank nonsense? Has not modern society simply failed to grasp one of Nature's great truths?"

STEVENS RIFLE TELESCOPE.

The J. Stevens Arms' and Tool Co., Chicopee, Mass., are the manufacturers of a rifle telescope, The Stevens Rifle Telescope, that can be fitted to rifles of any make. Every part of this instrument is being made by this firm themselves, under the direct supervision of an expert optician and optical instrument maker of 30 years' experience. The prices of these telescopes are moderate, the list ranging from $8 to $40, and the points of superiority claimed for them are apparent universal focus, perfect chromatic and spherical correction, remarkable illumination, indestructible cross-hairs, perfect definition, great variety of powers, and adjustable mountings for elevation and windage.

MOVING THE GRAIN CROP.

With the opening of navigation the work of moving the balance of the grain crop of the Canadian Northwest has begun. It is estimated that there are still 20,000,000 bushels of last year's crop to move. Some 13,000,000 bushels are along the lines of the C.P.R.

At Fort William great activity has commenced, and every day vessels clear with loads of grain for the lower-lake ports. The freight traffic department of the Canadian Pacific is showing great activity and is loading cars at the rate of 196 per day, and sending them down to the Fort William elevators. The farmers who have been holding their grain are now marketing, and a large movement has commenced all along the wheat belt. On the 10th inst., 72 cars were moved; on the 11th, 117, and on the 12th, 196. This volume will be increased in a day or two, but, notwithstanding this, it is estimated that both the Canadian Pacific and Canadian Northern will be hauling last year's wheat up to the time this year's wheat begins to move.

WE have the nicest set of Hose samples ever shown to the Canadian trade. Don't fail to see them.

HOSE

GARDEN
STEAM
SUCTION
ETC.

Send for samples and quotations.

WE make Hose of all kinds for all purposes. Our equipment is the most modern and our goods are perfection.

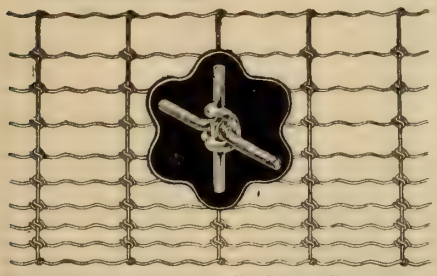
MANUFACTURED BY

THE DURHAM RUBBER CO., LIMITED

Bowmanville, Ont.

IDEAL WOVEN WIRE FENCING

Complete in the roll. A heavy one-piece stay that will not buckle up and cannot slip. Note the lock. No. 9 hard spring wire throughout. A fence that will last.



The McGregor, Banwell Fence Co., Limited
WINDSOR, ONT.
COILED SPRING AND OTHER FENCE WIRES.

Have you this
trade mark on your shelves?

If not, you are not making as much money as you might.

HOLLYWOOD TRADE MIXED MARK PAINT

THE HOLLYWOOD PAINT CO., Limited

New York, Buffalo, Chicago, Columbus, O.

CANADIAN WORKS - HAMILTON, ONT.

With the increased volume of trade that a busy Spring brings

Wrapping Papers

will be consumed in large quantities. Use the papers of these mills—good quality—full weight always—480 sheets to the ream—in every case.

—Promptness exercised in the shipping
—of all orders received by mail.

CANADA PAPER CO., Limited
TORONTO, and MONTREAL.



MURALO

The only sanitary and the best of all **cold water** wall coatings **in 5-lb. packages.**

Agents:

A. RAMSAY & SON, - - - MONTREAL
J. H. ASHDOWN, - - - WINNIPEG
McLENNAN, McFEELY & CO., - VANCOUVER

BUSINESS FOR SALE.

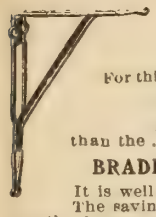
HARDWARE BUSINESS, IN A GROWING town. Prosperous farming section. Good location and premises. Opening for plumbing in connection. Business established thirty years Owner has other interests. Address, Box 74, HARDWARE AND METAL, Montreal or Toronto. (8-tf.)

GALVANIZING

Our plant is modern, and capacity large. Prices O.K. Other branches:

WINDMILLS, PUMPS, TANKS, FOUNDRY WORK, ETC., ETC.

Ontario Wind Engine & Pump Co, Limited, 505 Atlantic Ave., Toronto.



Will Hold Up a Shelf!

That's what a shelf bracket is for.

For this purpose there can be

NOTHING BETTER

NOTHING CHEAPER

than the . . . .

BRADLEY STEEL SHELF BRACKET

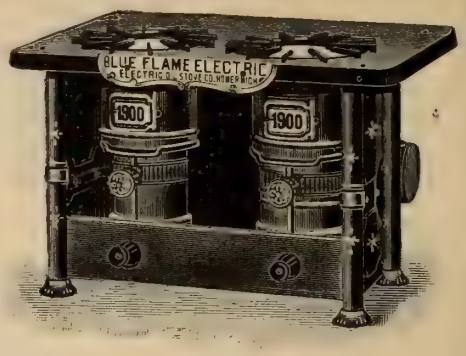
It is well **Japanned, Strong** and **Light.** The saving in freight is a good profit, aside from the **lower price** at which the goods are sold.

☞ Order direct or through your jobber.

ATLAS MFG. CO., New Haven, Conn., U.S.A.

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY MONTREAL.

COAL OIL STOVES AT REDUCED PRICES.



To make room for a large stock of Rochester Lamps and Incandescent Gas Lighting Goods for Fall, we have determined to sell out our entire line of the famous

BLUE FLAME ELECTRIC OIL COOK STOVES

at greatly reduced prices. These are the best Oil Stoves on the market, burn common coal oil, giving a clear, blue flame, very hot, and are simple to operate. They are made in neat cabinet form, aluminum finish, light, strong and durable. Two and three burners.

We have only a few, but they must go. Write quick for prices.

The Rochester Lamp Co. OF CANADA

24 Front St. West, TORONTO.

A LITTLE ADVERTISEMENT ....

Sometimes does as good work as a larger one. We can give you any size you want in this paper, from 1 inch to a full page. Prices gladly submitted.

The MacLean Publishing Co., Limited, Montreal and Toronto

McArthur, Corneille & Co.

MONTREAL

Manufacturers and Importers of . . .

White Lead,
Oils and Colors,
Prepared Paints,
Window Glass,
Varnishes, etc.

Glue and Gelatine

In extensive assortment, to suit all requirements.

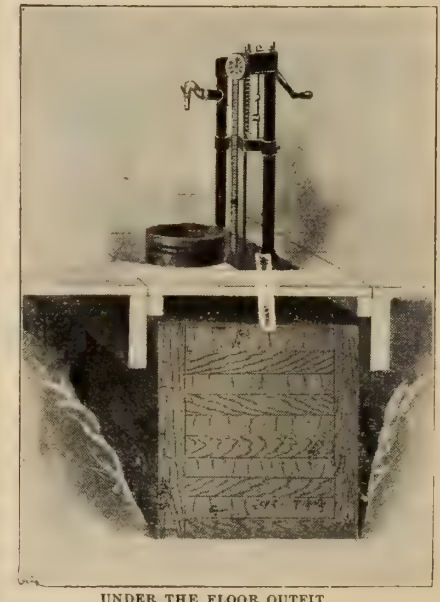
WILL BE PLEASED TO SUBMIT SAMPLES AND PRICES.

SELLING AGENTS IN CANADA

For the GENUINE
Imperial French Green
of JOHN LUCAS & CO., PHILADELPHIA.

And CELEBRATED
ENGLISH VARNISHES
of CHAS. TURNER & SON, LONDON.

Why Not Investigate



UNDER THE FLOOR OUTFIT.

BOWSER

"New Century"

3 MEASURE SELF MEASURING

Oil Tank?

THERE ARE

100 REASONS 100 WHY YOU SHOULD.

Space will not permit us to enumerate them all and we want an opportunity to tell you all about it.

WE CAN POINT OUT TO YOU DEFINITELY

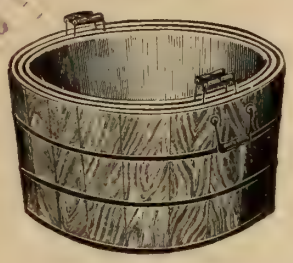
WHY IT WILL PAY YOU.

To Be Brief, It Will Pay You

Because it will save you money.
Because it measures accurate Gallons, Half-Gallons and Quarts.
Because it gives the customer what he buys and no more.
Because it will prevent all waste and slop.
Because it will soon pay its cost and become a profit-earner.
Because the Bowser is the only All Metal oil pump built.
Because it has the Anti-Drip nozzle.
Because it has the Dial Discharge Register.
Because it has the Double Float Indicator.
Because it has the Double Plungers.
Because it has Full Brass Cone Valves.
Because the tank is of Galvanized Steel.
Because it is the best oil outfit ever built.
Because it is sold under an absolute three years' guarantee.
Because its price is commensurate with its value.
Because you can have your oil tank in the store, under the floor, or in the cellar.

Our Catalogue and "Terse Tank Talks" tell the rest. They are free.

S. F. BOWSER & CO., 65 Front St. East, TORONTO. Factory, FORT WAYNE, Ind.



The Approval of the Dealer



has always been our ambition. "Money back if goods are not satisfactory" is proof of our aim to supply only reliable goods. Dealers know that a poor article is dear at any price; that it pays to stock satisfactory goods because such goods create demand. Dealers have long realized that

CANE'S NEWMARKET WOODENWARE

Outlasts all the Flimsy Foreign Stuff being sold in Canada.

These standard Canadian goods bear our absolute guarantee. The amalgamation of our factories with Boeckh's Toronto factories and Bryan's London factories means that better goods than ever can now be manufactured by us and at no increase in price, but a larger margin of profit to the dealer.

—Write us for our Illustrated 1902 Catalogue
—if you have not received it.

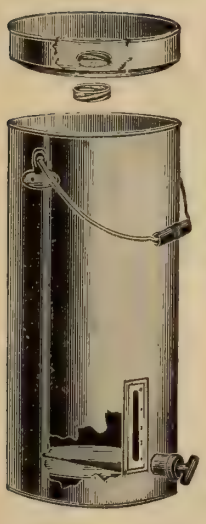
United Factories, Limited

OPERATING { Boeckh's Toronto Factories, Bryan's London Factories, Cane's Newmarket Factories.

Head Office: TORONTO, ONT.

A Good Trade

does not necessarily imply buying at a reduction. It means an exchange in which each is gainer.

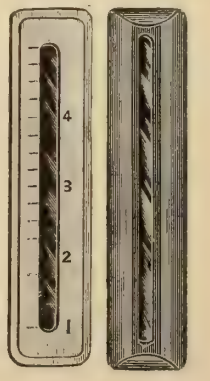


Practical Dealers Cannot Fail
to appreciate the good features of our

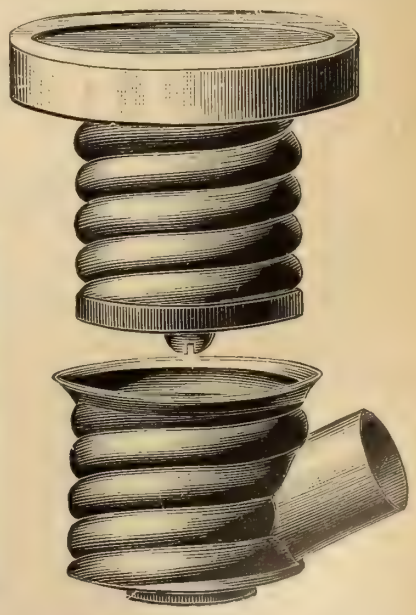
"SLIP COVER"

Creamer Trimmings

THEY make a quick Cover to ADJUST, permit the full submerging of the Can, are made to lock, Cover can be used as MILK STRAINER, and are same price as old style.



Front view. Back view.
Short, Tight, Easily Soldered.



Cheaper, Neater, Cleaner, Stronger than any other top made. Will not stick nor rust.

They teem with selling points, and will largely increase your trade.

THE THOS. DAVIDSON MFG. CO., Limited

ESTABLISHED 1869. **MONTREAL, CANADA.** INCORPORATED 1895.

MANITOBA MARKETS.

Winnipeg, April 21, 1902.

THE activity in all lines is very great, and there is constant complaint that orders do not come forward fast enough. Building hardware leads the van at present as so many new houses are going up all over the country to accommodate incoming settlers—for this reason, paints, oils and glass are in good demand.

The only change of price for the week in hardware is that harvest tools are now quoted at 60 and 10 per cent., as against 60, 10 and 10 per cent. In paints and oils turpentine has advanced 5c. per gal.

BINDER TWINE—There is no change in the situation, and there is but little activity at present. Dealers declare they have been placing orders pretty well up to their limit.

The price list is as follows :

Barbed wire, 100 lb	$3 30
Plain twist	3 40
Staples	3 95
Oiled annealed wire No. 10	3 85
" 11	3 90
" 12	3 95
" 13	4 10
" 14	4 25
" 15	4 35
Galvanized wire, 6 to 8 gauge	4 00
" 9 "	3 50
" 10 "	4 05
" 11 "	4 20
" 12 "	3 65
" 13 "	3 75
" 14 "	4 45
" 15 "	4 60
" 16 "	4 75
Wire nails, 30 to 60 dy, keg	3 25
" 16 and 20	3 35
" 10	3 35
" 8	3 45
" 6	3 50
" 4	3 65
" 3	3 90
Coil chain, 3-16 inch	10½
" ¼ inch	8¾
" 5-16 inch	5½
" ⅜ inch	5¼
" 7-16 inch	5
" ½ to ¾ inch	4¾
Cut nails, 30 to 60 dy.	3 05
" 20 to 40	3 10
" 10 to 16	3 15
" 8	3 20
" 6	3 25
" 4	3 35
" 3	3 70
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to No 1	4 65
No. 2 and larger	4 40
Snow shoes, No. 0 to No. 1	4 90
No. 2 and larger	4 40
Steel, No. 0 to No. 1	4 95
No. 2 and larger	4 70
Bar iron, $2.70 basis.	
Swedish iron, $5.00 basis.	
Sleigh shoe steel	3 25
Spring steel	3 25
Machinery steel	3 75
Tool steel, Black Diamond, 100 lb	8 50
Jessop	13 00
Sheet iron, black, 10 to 20 gauge, 100 lb.	3 50
20 to 26 gauge	3 75
28 gauge	4 00
Galvanized American, 16 gauge	2 79
18 to 22 gauge	4 75
24 gauge	5 00
26 gauge	5 25
28 gauge	5 50
Genuine Russian, lb	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 75
26 gauge	8 00
28 gauge	8 50
Tinplate, IC charcoal, 20 x 28, box	11 00
" IX "	13 00
" IXX "	15 00
Ingot tin	33
Canada plate, 18 x 21 and 18 x 24	3 25
Sheet zinc, cask lots, 100 lb	7 00
Broken lots	7 50
Pig lead, 100 lb	6 00
Wrought pipe, black up to 2 inch	50 and 10 p.c.
" Over 2 inch	50 p.c.
Rope, sisal, 7-16 and larger	$13 50
" ⅜	14 00
" ¼ and 5-16	14 25
Manila, 7-16 and larger	17 00
" ⅜	17 50
" ¼ and 5-16	18 00
Solder	18
Cotton Rope, all sizes, lb	17
Axes, chopping	$ 7 50 to 12 00
" double bitts	12 00 to 18 00
Screws, flat head, iron, bright	87½
Round " "	82½
Flat " brass	80
Round " "	75
Coach	57½ p.c.
Bolts, carriage	50 p.c.
Machine	50 p.c.
Tire	60 p.c.
Sleigh shoe	65 p.c.
Plough	40 p.c.
Rivets, iron	50 p.c.
Copper, No. 8	26
" No. 12	30
Bluestone, cask lots	$5 50
Spades and shovels	40 p.c.
Harvest tools	60 and 10 p.c.
Axe handles, turned, s. g. hickory, doz.	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 75
No. 1	1 25
Files common	70, and 10 p.c.
Diamond	60
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	30 p.c.
" military	15 p.c.
American R.F.	30 p.c.
C.F. pistol	5 p.c.
C.F. military	10 p.c. advance.
Loaded shells :	
Eley's soft, 12 gauge black	16 50
chilled, 12 gauge	18 00
soft, 10 gauge	21 00
chilled, 10 gauge	23 00
Shot, Ordinary, per 100 lb	6 25
Chilled	6 75
Powder, F.F., keg	4 75
F.F.G.	5 00
Tinware, pressed, retinned	75 and 2½ p.c.
" " plain	70 and 15 p.c.
Graniteware, according to quality	50 p.c.

PETROLEUM.

Water white American	25½ c.
Prime white American	24c.
Water white Canadian	22c.
Prime white Canadian	21c.

BINDER TWINE.

Sisal and Standard f.o.b. Winnipeg	$ 11¾
Manila, 550 feet	12⅞
Manila, 600 feet	14⅛
Pure Manila	15⅝
Five-ton lots ⅛c. less per lb., and carlots ¼c. less.	

SCRAP.

No. 1 cast iron	$13 to $14 per ton
No. 2 "	5 to 6 "
Wrought iron scrap	5 "
Copper (heavy)	7c. per lb.
Yellow brass (heavy)	8c. "
Light brass	5c. to 6c. "
Lead pipe, or tea lead	2c. to 2½c. "
Zinc scrap	1c. "

PAINTS, OILS AND GLASS.

Turpentine, pure, in barrels	$ 80
Less than barrel lots	85
Linseed oil, raw	85
Boiled	88
Lubricating oils, Eldorado castor	29
Eldorado engine	28½
Atlantic red	29½
Renown engine	41½
Black oil	20
Cylinder oil (according to grade)	55 to 74
Harness oil	65
Neatsfoot oil	90
Steam refined oil	85
Sperm oil	2 00
Pure castor oil, East India	11
Lubricating	10
Glass, single glass, first break, 16 to 25 united inches	2 50
26 to 40 per 50 ft.	2 75
41 to 50 " 100 ft.	6 00
51 to 60 " " "	6 50
61 to 70 per 100-ft. boxes	7 00
Putty, in bladders, barrel lots per lb.	2½
kegs "	2¾
White lead, pure per cwt.	6 50
No. 1 "	6 00
Prepared paints, pure liquid colors, according to shade and color, per gal.	$1.30 to $1.90

NOTES.

There is a report in circulation that The Robt. McCausland Stained Glass Co. is about to open a branch factory here.

Mr. E. E. Devlin, late of Joseph Maw & Co., has received the appointment of representative of The Aermotor Co., of Chicago.

The excavation for the addition to J. H. Ashdown's warehouse is going forward rapidly. It has been decided to build it four storeys instead of two, as at first intended.

Geo. D. Wood & Co. have secured 68 feet to the south of their present warehouse and will erect an additional warehouse the full extent of the lot. It will be four storeys and basement.

COMMERCIAL DEPOT FOR LONDON.

The committees of the Toronto Board of Trade and the Canadian Manufacturers' Association held a joint meeting in the Board of Trade rooms on Tuesday afternoon, April 15, and considered the establishment of a commercial depot in London. Those representing the board of trade at the meeting were J. F. Ellis, J. D. Allan, Peleg Howland, R. J. Christie, Noel Marshall, W. J. Gage; while those representing the manufacturers were W. K. McNaught, G. H. Hees, J. O. Thorn, James P. Murray and P. W. Ellis.

After discussing at length the above proposition, a sub committee was appointed to draft a report and submit it to the general committee. J. D. Allan, J. F. Ellis, P. W. Ellis and G. H. Hees constitute this subcommittee.

WIDER MARGIN FOR DEALERS.

Under one strong management, titled United Factories, Limited, the running expenses of Boeckh's Toronto factories, Bryan's London factories and Cane's Newmarket factories can be considerably reduced and a better class of goods produced without additional cost. Users of brushes, brooms and woodenware will materially benefit by the consolidation, and there will be a wider margin of profit for the dealer than can be found in the output of any other factories of a similar class in the Dominion.

John Bowman

HARDWARE & COAL CO.

LONDON, ONT.

Our stock of goods for the spring trade is now complete, and we can fill all orders promptly on the following lines :

Wire, Nails, Cordage, Window Glass, White Lead, Paints, Whiting, Churns, Linseed Oil, Spades and Shovels, Screen Doors, Wove Wire, Poultry Netting, Builders' Hardware, Guns and Sporting Goods. Finest stock in the Province of Cutlery.

Prompt Shipment. Prices Right.

DOMINION WIRE MANUFACTURING CO.

Limited

MONTREAL and TORONTO.

We Manufacture

IRON
STEEL
BRASS
AND
COPPER
WIRE

and the following products of same :



Wire Nails
Wood Screws
Bright Wire Goods
Barbed and Plain Fencing
Fence
Poultry
Bed
Blind
STAPLES
Cotter Pins
Jack Chain
Door Pulls
"Crescent' Hat and Coat Hooks

Locks and Builders' Hardware.

We have a most complete line of all these goods, including the very newest ideas in

Bronze and Brass Knobs, Door Sets and Escutcheons.

LOCKS AND LATCHES OF ALL KINDS.

Any dealer asking for a catalogue will be sent full prices, discount sheets, etc., etc. Drop a card.

ESTABLISHED 1843. INCORPORATED 1893.

THE Gurney-Tilden Co., LIMITED

Hamilton. Toronto. Montreal.

AGENCIES:—ST. JOHN, N. B., VANCOUVER, B. C.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

Montreal, April 25, 1902.

HARDWARE.

THERE has been no abatement to the excellent business done in general hardware, manufacturers and jobbers reporting themselves as busy as ever. The deliveries to the points from Montreal east are very large, though with Ontario and the West trade is in good condition, but the demand for immediate shipment is not heavy. Screen wire cloth has taken another advance, this time of 7½c. per roll. Harvest tools have gone up about 11 per cent. A combination on washing machines has sent up the price on these, and the new list will be found elsewhere in this issue. The demand for washing machines and wringers has been of the best up to now, and as dealers must have them it is not likely that under the advance there will be any material decrease in the trade. Bolts, screws, building paper and all lines of builders' hardware continue to move out rapidly.

SCYTHES.—Business is fairly good now, the demand being greater than during the previous week. We quote: Lance, No. 80, $5.50; Hurd's Clipper, $6.50; concave, $7.50; Sibely, $8.50; Cradle scythes, cast steel, $8.50; silver steel, $9.50; "Harvest King," $10.50. Bush scythes, $6.50.

BARB WIRE.—There is still an active inquiry, but some scarcity is experienced, as the factories are about a month behind in deliveries. The price is unchanged from $3 per 100 lb. f.o.b. Montreal.

GALVANIZED WIRE. The demand is brisk, and the market steady and unchanged, and our quotations now are: Nos. 6, 7 and 8 gauge, $3.15; No. 9, $2.80; No. 10, $3.55; No. 11, $3.65; No. 12, $2.95; No. 13, $3.05; No. 14, $4.05; No. 15, $4.55; No. 16, $4.80; No. 17, $5.20; No. 18, $5.45.

SMOOTH STEEL WIRE. The market is still somewhat quiet and no quotable change has occurred. Quotations are: Bright iron and annealed on a base of $2.60 per 100 lb. f.o.b. Montreal, Toronto, Halifax, London, Hamilton and St. John. Net extras per 100 lb. are as follows: Coppered wire, 60c.; tinned wire, $2; oiling, 10c.; spring wire, $1.25; best steel wire, 75c.; bright soft drawn, 15c.; special hay-baling wire, 30c.

FINE WIRE.—There is very little doing. Discount, 22½ per cent.

BRASS AND COPPER WIRE.—Trade has not improved. The discount remains at 60 per cent. for both wires.

FENCE STAPLES.—There is an active demand. Some difficulty, however, is experienced in obtaining supplies. There has been no change in prices. Our quotations are as follows: $2.90 per 100-lb. keg, for bright, and $3.25 for galvanized. 25 and 50-lb. packages, 25c. extra.

WIRE NAILS.—A very good business is still passing in wire nails at unchanged quotations. Our quotations follow: $2.25 for small lots and $2.50 for carlots f.o.b. Montreal, London, Hamilton, Toronto, Gananoque, Brantford, Windsor, Ont., St. John and Halifax.

CUT NAILS.—The trade is not as active in cut nails as in wire nails, but there is still a satisfactory demand. The price per keg is $2.35 in small lots, and $2.27½ in carlots. The discount on flour barrel and coopers' nails is 40 per cent.

HORSE NAILS.—The demand for horse nails continues active. No change has been made in prices, and our quotations are as follows: "C" brand at 50 and 7½ per cent. off on "M" brand and 60 per cent. off oval and new city heads and 66 2-3 per cent. off for new countersunk heads.

HORSESHOES.—There is still a good business doing in this line. We quote: Iron shoes, light and medium pattern, No. 2 and larger, $3.50; No. 1 and smaller, $3.75; snow shoes, No. 2 and larger, $3.75; No. 1 and smaller, $4.00; X L steel shoes, all sizes, 1 to 5, No. 2 and

Have you ordered your stock of warm weather goods?

If not, you should place some of the following lines in your showroom at once, as your customers will soon be inquiring for them.

If you have, and need more, we can promptly ship you a further supply.

The Leonard Cleanable Refrigerator

The best refrigerator on the market. Is well known and sells easily.

The Model Refrigerator

Sold at a moderate price and is excellent value for the money.

White Mountain Freezer

Is recognized by all to be the best freezer made to-day.

"Dangler" Oil Stoves

After a thorough investigation of every oil stove made, we considered these to be the best, and have no hesitation in recommending them.

We also have the **"Golden Star," "Summer Queen," and "Triumph" Oil Stoves.**

We guarantee prompt shipment in all these goods.

The McClary Manufacturing Co.,

LONDON, TORONTO, MONTREAL, WINNIPEG, VANCOUVER, AND ST. JOHN, N.B.

"Everything for the Tinshop"

ENGLISH
GERMAN
BELGIAN
CANADIAN
AMERICAN
} PORTLAND CEMENTS.

FIRE
BUILDING
ENAMELLED
SILICA
MAGNESIA
} BRICKS.

DRAIN
CULVERT
} PIPES.

F. HYDE & CO.

31 WELLINGTON ST., MONTREAL

. . FULL STOCK . .

Salt Glazed Vitrified



Double Strength Culvert Pipe a Specialty.

THE CANADIAN SEWER PIPE CO.

HAMILTON, ONT. TORONTO, ONT.
ST. JOHNS, QUE.

Deseronto Iron Co.

LIMITED

DESERONTO, ONT.

Manufacturers of

CHARCOAL PIG IRON

BRAND "DESERONTO."

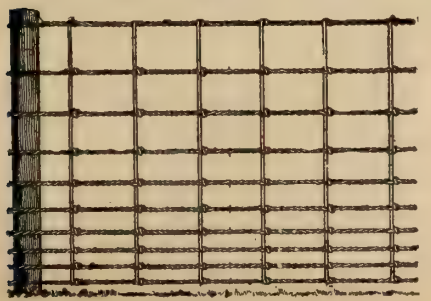
Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

The Oshawa Wire Fence Co.

OSHAWA, ONT. Limited

Manufacturers of...

Woven Wire Fencing, Gates, Etc.
Also Dealers in Galvanized Fence Wire.



Agents wanted Send for catalogue and prices.

larger, $3.60; No. 1 and smaller, $3.85; feather-weight, all sizes, $4.85; toe weight, steel shoes, all sizes, $5.95 f.o.b. Montreal; f.o.b. Hamilton, London and Guelph, 10c. extra.

SCREWS.—The market for screws is active. Discounts are as follows: Flat head bright, 87½ and 10 per cent. off list; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.

BOLTS.—Trade has entirely recovered since the falling off consequent upon the advance, and this week the demand is as brisk as ever. Our quotations are as follows: Norway carriage bolts, 55 per cent.; common, 50 per cent.; full square carriage bolts, 55 per cent.; machine bolts, 50 and 5 per cent.; coach screws, 66 2-3 per cent.; sleigh shoe bolts, 65 and 5 per cent.; blank bolts, 50 and 5 per cent.; bolt ends, 50 and 5 per cent.; plough bolts, 50 and 5 per cent. To any retailer an extra discount of 10 per cent. is allowed. Tire bolts, 67½ per cent.; stove bolts, 67½ per cent. Nuts, square, 3½c. per lb. off list; hexagon nuts, 3¾c. per lb. off list. To all retailers an extra discount of ¼c. per lb. is allowed.

BUILDING PAPER.—There is a good demand. Our quotations are as follows: Tarred felt, $1.70 per 100 lb.; 2-ply, ready roofing, 85c. per roll; 3-ply, $1.10 per roll; carpet felt, $2.25 per 100 lb.; dry sheathing, 30c. per roll; tar sheathing, 40c. per roll; dry fibre, 50c. per roll; tarred fibre, 60c. per roll; O K and I X L, 65c. per roll; heavy straw sheathing, $30 per ton; slaters' felt, 60c. per roll.

CORDAGE.—Business in cordage is quite active. The trade has received an impetus from the opening of navigation, boats putting in their supplies of rope. All grades of binder twine have advanced ½c. per lb., and our quotations are now as follows: Manila, 16c.; British manila, 14½c.; sisal, 13c.; lathyarn, 11½c. Prices on binder twine are as follows: Blue Ribbon, 650 feet to the pound, 15c.; Redcat, 600 feet to the pound, 14c.; Tiger, 550 feet to the pound, 13c.; Standard, 500 feet to the pound, 11½c.; sisal, 500 feet to the pound, 11½c. Prices are subject to a rebate of ¼c. in carload lots.

RIVETS AND BURRS.—A fairly active inquiry is being experienced this week, and our quotations are as follows: Best iron rivets, section, carriage, and wagon box, black rivets, tinned do., coopers' rivets and tinned swedes rivets, 60 and 10 per cent.; swedes iron burrs are quoted at 55 per cent. off; copper rivets, with the usual proportion of burrs, 45 and 10 per cent. off, and coppered iron rivets and burrs, in 5-lb. carton boxes, are quoted at 60 and 10 per cent. off list.

SCREEN WIRE CLOTH.—Another advance has been made of 7½c. per roll, making the current price $1.37½c. per 100 square feet. There has been a steady demand for screen wire cloth right along.

POULTRY NETTING.—This is moving rapidly. The market is steady. The discount on Canadian or English is 60 per cent. off 2 x 2 mesh, 19 wire, and 55 per cent. off 2 x 2 mesh, heavier, Canadian list.

HARVEST TOOLS.—Another advance has been made in harvest tools, and the discount is now only 60 per cent. off net instead of 60 and 10 per cent. as formerly.

FIREBRICKS.—No change has occurred. Trade is quiet. We quote: Scotch.

THE BEST BRANDS

TINPLATES
"Allaways" Charcoal.
"Lydbrook," "Trym," "Grafton" Cokes.

TINNED SHEETS
"Wilden" Best Coke or Charcoal.

TERNE PLATES
"Dean," dull finish.

CANADA PLATES
"Dominion," polished.

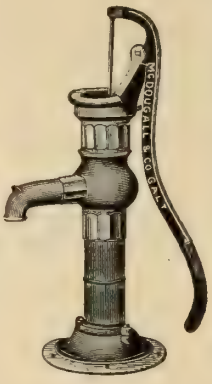
Accept no Substitutes.

A. C. LESLIE & CO.

MONTREAL.

THE R. McDOUGALL CO., Limited,
GALT, ONT.

Manufacturers of



Iron and Brass
PUMPS

FOR ALL SERVICES.

FORCE PUMPS,
LIFT PUMPS,
CISTERN PUMPS,
HAND OR POWER PUMPS
OF ALL KINDS.

Catalogue for the asking.

OUR MOTTO: "The best quality and right prices."

ADAM HOPE & CO.

Hamilton, Ont.

We offer for prompt shipment

Pig Tin,
L. & F. and STRAITS.
Ingot Copper, O.C.
Pig Lead.
Spelter.
Antimony.

NOVA SCOTIA STEEL & COAL CO., Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN
OPEN HEARTH STEEL.

DON'T YOU THINK



it would be good business to stop your opposition from taking some of your trade away if you knew how to do so? The best way we know of is to keep him from getting the agency for

Elastilite Varnish.

It gives your store a good name, because it satisfies all customers all the time.

In tins only—from ½-pints to 1-gallon.

MANUFACTURED ONLY BY

The Imperial Varnish & Color Co. LIMITED

Toronto, Ont., Canada.

Canadian Agents for Buehne's "Red, White and Blue" Brand Steel Wool.

Do It To-day

Immediately after reading this, write a card to us and we will mail you our booklet on *"Paint Talk,"* which will be of great service to you in your paint trade. In it you will read what our customers say of

"Ark Brand" Paint.

THE **FRANCIS-FROST C°** Limited

TORONTO.

Canadian Distributing Agents for Grippin's Crack Filler.

$19 to $23.50, and English, $18.50 to $22.50 per 1,000.

CEMENT.—There is only a moderate trade doing. We quote as follows: German cement, $2.30 to $2.40; English, $2.25 to $2.35; Belgian, $1.70 to $1.95 per bbl. ex-wharf, and American, $2.20 to $2.30 ex-cars.

METALS.

Cables this week from the English markets stated that an advance of 5s. per ton had been made in spelter, corrugated galvanized sheets, black sheet iron and pig lead. Charcoal tinplates have advanced 3d., Bessemer cokes, 1½d., and Canada plates, 2s. 6d. In other metals the same firmness is shown on the English markets. The price of Canada plates has been raised on this market, and there is a great scarcity. Some sizes of coil chain are higher in price, and the market is firm, though trade is not active.

PIG IRON.—Canadian pig iron sells for $18.50 to $19, and Summerlee for $21 to $21.50. Business is quite active still, though many buyers have now all their requirements filled.

BAR IRON.—There is a good demand for bar iron at unchanged quotations. Merchants' bar, in small lots, sells for $1.95, and horseshoe iron, $2.20.

BLACK SHEETS.—An active inquiry continues, but stocks here are very light, and the first steamers are awaited rather impatiently. Quotations follow: 28 gauge, $2.65; 26 gauge, $2.60; 20 to 24 gauge, $2.50, and 8 to 20 gauge, $2.50.

GALVANIZED IRON.—This is in good demand. Prices are firm. We quote: No. 28, Queen's Head, $4.40; Apollo, 10¾ oz., $4.40; Comet, $4.25, with 10c. extra for less than case lots.

INGOT COPPER.—We quote 14c.

INGOT TIN.—The market for ingot tin is still quiet. Since the advance of last week no further change has been made in the price. Straits sell for 30c.

PIG LEAD.—This is quiet and featureless. The price remains at $3.25.

LEAD PIPE.—A moderate business is passing at unchanged quotations. Composition waste is worth 7½c., and ordinary, 7c. Discount, 37½ per cent.

IRON PIPE.—There has been no quotable change. The market is active, and our quotations are now as follows: Black pipe, ⅛, $3; ¼, $2.40; ⅜, $2.65; ½, $3; ¾, $3.70; 1-in., $5.25; 1¼, $7.40; 1½, $8.90; 2-in., $12.40. Galvanized, ⅛, $3.20; ¼, $3.45; ½, $4; ¾, $5.05; 1-in., $7.25; 1¼, $10.10; 1½, $12.15; 2-in., $16.70. Extra heavy pipe, plain ends, are quoted, per 100 ft., as follows: Black, ⅛, $4.35; ¼, $5.30; 1-in., $7.60; 1¼, $10.60; 1½, $12.70; 2-in., $17.45. Galvanized, ⅛, $5.35; ¼, $6.70; 1-in., $9.60; 1¼, $13.30; 1½, $15.95; 2-in., $21.75. For threads and couplings 5 per cent. is added.

TINPLATES.—The market for tinplates is still quiet. Charcoal tinplates have advanced on the English market, and the price here is firm at $4.75 to $5.25 per box. Cokes are worth $1.25 per box.

CANADA PLATE.—The recent advance on the English market, coupled with a scarcity here, has had its effect on Canada plates in this market, and 52's and 60's have gone up 10c. There is an active inquiry, and the market is very firm. We quote: 52's, $2.75 to $2.80; 60's, $2.85 to $2.90; 75's, $2.80 to $2.85; full polished, $3.75, and galvanized, $4.25 to $4.35.

STEEL.—Prices have not been changed. Market is active. We quote: Sleighshoe, $2.10; tire, $2.15; bar, $2.05; spring, $2.85; reeled machinery, $2.85; toecalk, $2.60.

SHEET STEEL.—A somewhat better trade has been done this week, but the market is still quiet. Quotations are: Nos. 10 to 20, $2.50; 3-16, $2.50; ¼, 5-16 and ⅜, $2.40.

TOOL STEEL.—There is little doing. Jessop's is quoted at 13c., and Diamond at 8c.

TERNE PLATES.—Trade is dull. The price is $7.75 to $8.

COIL CHAIN.—Though the market is not active, some advances have been made in chain, 9-16 and ½-inch sizes being 10c. higher, and 5-16, 20c. higher. We quote: No. 6, 12½c.; No. 5, 10½c.; No. 4, 10c.; No. 3, 9½c.; ¼-inch, 7¼c. per lb.; 5-16, $5; 5-16 exact, $5.25; ⅜, $4.25; 7-16, $4.05; ½, $3.95; 9-16, $3.85; ⅝, $3.55; ¾, $3.50; ⅞, $3.45; 1-inch, $3.45. In carload lots an allowance of 10c. is made.

SHEET ZINC.—There is only a moderate demand. The price is $5.75 to $6.25.

ANTIMONY.—There has been no improvement in this market. The price remains at 10c.

ZINC SPELTER.—There is a fair trade doing. Spelter has advanced on the foreign markets, and the price here is slightly firmer. We quote 5c.

SOLDER.—The demand for solder keeps up well. The market is steady. Bar

solder is quoted at 18c., and wire solder at 20c.

PAINTS AND OILS.

The feature this week is the further decline in turpentine of 2c. This was not expected by operators, who considered the market in a steady condition and looked for turpentine to become firmer. Some slight fluctuations may occur for a while now, but the market is expected to regain some of its former firmness. Linseed oil is becoming scarce, and as stocks are extremely light spring arrivals are eagerly looked forward to, but in view of the heavy demand it is probable that prices may not then be materially weakened. White lead is in active demand. Varnishes and colors generally are feeling the effect of the brisk trade, and are being shipped freely to all parts of the Dominion. The opening of navigation to the eastern St. Lawrence ports has given the Quebec trade a tremendous impetus. Paris green, which was booked for in January and February, is now being shipped, and in addition to these orders the inquiry has slightly extended, though not in any marked degree. We quote as follows :

WHITE LEAD.—Best brands, Government standard, $5.87½ ; No. 1, $5.50 ; No. 2, $5.12½ ; No. 3, $4.75 ; No. 4, $4.37½ all f.o.b. Montreal.

DRY WHITE LEAD, $5.25 in casks ; kegs, $5.50.

DRY WHITE ZINC.—Pure dry, 6¼c. ; No. 1, 5¼c.; in oil, pure, 7¼c.; No. 1, 6¼c.; No. 2, 5¼c.

PUTTY.—We quote : Bulk, in bbls., $1.90 per 100 lb.; bulk, in less quantity, $2.05 ; bladders, in bbls., $2.25 ; bladders, in 100 or 200-lb. kegs or boxes, $2.40 ; in tins, $2.55 to $2.65 ; in less than 100-lb. lots, $3 f.o.b. Montreal, Ottawa, Toronto, Hamilton, London and Guelph. Maritime Provinces, 10c. higher, f.o.b. St. John and Halifax.

ORANGE MINERAL.—Casks, 7c.; 100 lb. kegs, 7¼c.; smaller quantities, 8¼c.

RED LEAD.—Genuine red lead, in casks, $4.50 ; in 100-lb. kegs, $4.75 ; in less quantities, $5.75 per 100 lb. No. 1 red lead, casks, $4.25 ; kegs, $4.50, and smaller quantities, $5.50.

LITHARGE.—Ground, casks, 5c. ; less quantities, 5½c.; flake litharge, casks, $5.25 ; smalls, $5.75 per 100 lb.

LINSEED OIL.—Raw, 80c.; boiled, 83c. In 5 to 9 bbls., 1c. less ; 10 to 20 bbl. lots, open, net cash, plus 2c. for four months. Delivered anywhere in Ontario between Montreal and Oshawa at 2c. per gallon advance and freight allowed.

TURPENTINE.—Single bbls., 70c. ; 2 to 4 bbls., 69c.; 5 bbls. and over, open terms.

SHELLAC VARNISH.—Pure white, $2.35 to $2.45 ; orange, $2.25 to $2.35.

MIXED PAINTS.—$1.20 to $1.45 per gallon.

CASTOR OIL.—8¾ to 9¼c. in wholesale lots, and ½c. additional for small lots.

SEAL OIL.—47½ to 49c.

COD OIL.—32½ to 35c.

PARIS GREEN.—Petroleum, bbls., 16¾c. per lb.; arsenic kegs, 17c.; 50 and 100-lb. drums, 17½c.; 25-lb. drums, 18c.; 1-lb. packages, 18½c.; ½-lb. packages, 20½c.; 1-lb. tins, 19½c.; ½-lb. tins, 21½c. f.o.b. Montreal. Terms : 3 per cent. 30 days, or four months from date of delivery.

SCRAP METALS.

There is a good business passing in most lines of scrap metals. Iron has gone down in price some, the mills here having obtained all the supplies they needed. Several American concerns have been visiting this market, and are willing to take all the iron they can get at a good figure, besides paying a duty of $4 going into the United States. Nos. 1 and 2 wrought iron are $1 lower, and old rubbers, ¼c. per lb. higher. We quote as follows: Heavy copper and wire, 11c. per lb.; light copper, 9c.; heavy red brass, 11c.; heavy yellow, 9c.; light brass, 5c.; lead, 2⅜ to 2⅝c.; zinc, 2½c.; iron, No. 1, wrought, $17 ; No. 2, $7 per ton ; machinery scrap, $15 ; stove plate, $10 to $11 ; malleable and steel, $5 ; mixed country rags, 60 to 70c. per 100 lb.; old rubbers, 6½c. per lb.

GLASS.

Trade on the local market is dull. Some shipments from Belgium, which were expected before this, have not yet arrived. The strike will affect late orders. We quote: First break, 50 ft., $2.10 ; second, $2.20 for 50 ft.; first break, 100 ft., $4 ; second break, $4.20 ; third break, $4.70 ; fourth break, $4.95.

HIDES.

Business in hides this week is confined mostly to small lots, but a greater interest is shown in the market than a week ago. The quality of the offerings is better. Calfskins have advanced 1c., and all grades of hides have taken a further advance this week of 1c. We quote as follows : No. 1 hides, 9c.; No. 2, 8c.; No. 3, 7c. No. 1 calfskins, 12c. Sheepskins, 65c

MONTREAL NOTES.

Turpentine is 2c. lower.

Hides and calfskins are 1c. higher.

Canada plates, 52's and 60's are 10c higher.

Screen wire cloth has advanced 7½c. per 100 square feet.

Nos. 1 and 2 wrought scrap iron are $1 per ton lower.

The prices of all grades of binder twine have gone up ½c. per lb

Harvest tools are about 11 per cent. higher, the discount now being 60 per cent. off list.

In coil chain there has been an advance in price in ½ and 9-16 sizes of 10c., and in 5-16 sizes of 20c.

ONTARIO MARKETS.

Toronto, April 25, 1902.

HARDWARE

ORDERS which had been booked for spring shipment appear to have been pretty well cleaned up. And as there is not a great rush of new orders coming in business is a little quieter than it was. At the same time, however, it is still fairly good, and the outlook is certainly favorable to a continuance of the present healthy trade condition. The week has been characterized by some further advances in prices. Still another 10 per cent. has been added to the price of harvest tools, which are in good demand and scarce. Binder twine is ½c. per lb. higher all round. Higher prices are ruling for washing machines. Cabinet locks have been advanced by the manufacturers in the United States. The handle makers have advanced their prices on the better grades of hickory and ash goods. Payments appear to be rather better than they were.



BARB WIRE. Shipments are going out steadily. We quote : F.o.b. Cleveland, $2.27½ for less than carlots, and $2.65 for carlots. From stock, Toronto, $3.

GALVANIZED WIRE.—The movement is fairly good. We quote : Nos. 6, 7 and 8, $3.50 to $3.85 per 100 lb., according to quantity ; No. 9, $2.85 to $3.15 ; No. 10, $3.60 to $3.95 ; No. 11, $3.70 to $4.10 ; No. 12, $3 to $3.30 ; No. 13, $3.10 to $3.40 ; No. 14, $4.10 to $4.50 ; No. 15, $4.60 to $5.50 ; No. 16, $4.85 to $5.35. Nos. 6 to 9 base f.o.b. Cleveland are quoted at $2.52½ in less than carlots and 12c. less for carlots of 15 tons.

SMOOTH STEEL WIRE.—A fair business is being done in oiled and annealed. We quote the base price, $2.60 per 100 lb. Oiling, 10c.; coppering, 60c.;and tinning, $2 per 100 lb. extra. Delivery points Toronto, Hamilton, London and Montreal, with freights equalized on those points.

FINE STEEL WIRE.—There is the usual steady trade being done. Discount, 22½ per cent.

WIRE NAILS.—Business is good, and some orders are for nice quantities. The prices are steady. Our quotations are $2.55 for less than carlots and $2.50 for carlots. Delivery points, Toronto, Hamilton, London, Gananoque and Montreal.

CUT NAILS.—Business is only small and makers are getting less interested in this branch of their trade. The base price is $2.35 per keg, with 7½c. allowance on carlots.

HORSE NAILS. Trade is quiet, and the discounts are as follows : "C" brand, oval head, 50 and 7½ per cent., and on "M" and other brands, 50, 10 and 5 per cent. Countersunk head 60 per cent.

HORSESHOES Quiet and featureless. We quote f.o.b. Toronto as follows : Iron shoes, No. 2 and larger, light, medium and heavy, $3.60 ; snow shoes, $3.85 ; light steel shoes, $3.70 ; feather-

weight (all sizes), $4.95; iron shoes, No. 1 and smaller, light, medium and heavy (all sizes), $3.85; snow shoes, $4; light steel shoe., $3.95; featherweight (all sizes), $4.95.

SCREWS. Business is good and prices steady. Discounts are: Flat head bright, 87½ and 10 per cent.; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.; round head bronze, 65 per cent., and flat head bronze 70 per cent.

RIVETS AND BURRS.—Business continues active. We quote: Iron rivets, 60 and 10 per cent.; iron burrs, 55 per cent.; cop per rivets, with usual proportion of burrs, 45 and 10 per cent.; copper burrs alone, 30 and 10 per cent.

BOLTS AND NUTS. The activity that has characterized trade in this line has been maintained and prices rule firm. Our quotations are as follows: Carriage bolts, common ($1 list), 50 per cent.; carriage bolts, full square ($2.40 list), 55 per cent.; carriage bolts, Norway iron ($3 list), 55 per cent.; machine bolts, all sizes, 50 and 5 per cent.; coach screws, cone points, 66 2 3 per cent.; elevator shaft and whiffletree bolts, 50 per cent.

ROPE. Trade keeps fairly good. We quote: Pure manila, 16c.; British manila, 14½c.; sisal, 13.; lathyarn, 12c.; sisal bed cord, 3 cord, 48 feet, 65c.; ditto., 60 feet, 80c.; ditto., 72 feet, 95c. per doz.

BINDER TWINE.—An advance of ½c. per lb. all round took place on Saturday last. The demand is fair. We quote: "Blue Ribbon," 650 feet, 15c.; "Red Cap," 600 feet, 14c.; "Tiger," 580 feet, 13c.; sisal, 500 feet, 11½c.

EAVETROUGH, ETC.—There is a free movement this week in both eavetrough and conductor pipe. Eavetrough is quoted at $3.10 per 100 square feet for 10-in., and conductor pipe at $4 for 3-in. and $5.25 for 4-in.

SCREEN DOORS AND WINDOWS. Trade is fair.. Common doors, two or three panel, are now quoted f.o.b. factory points as follows: Walnut, stained, 3-in. style, $6.80 per dozen; stained, yellow, $7; natural color, oil finish, $8.15; 4-in. style, 20c. extra per dozen. Windows: No. 0, $1.60; No. 1, $1.70; No. 2, $1.95; No. 3, $2.10; No. 4, $2.50 per dozen.

SPADES AND SHOVELS.—The demand is good for spades and shovels and for all kinds of garden tools. Discount, 40 and 5 per cent.

HARVEST TOOLS.—Another advance of 10 per cent. has taken place, and the discount is now 60 off the list. The demand is good and a scarcity still exists in some lines.

BUILDING PAPER.—Business is good. Our quotations are as follows: Dry sheathing, grey or straw, 30c. per roll; tar sheathing, grey or straw, 40c. per roll; dry fibre, 50c. per roll; tarred fibre, 60c. per roll.

LAWN MOWERS.—The demand is good this week. Discount on high wheel mowers is 50 per cent.; "Star" mowers, 9 inch wheels, $2.50 to $3; "Daisy" mowers, 17 inch wheels, $2.25 to $2.50.

POULTRY NETTING.—The manufacturers are behind with their orders in some sizes, and particularly in 7 to 2 in. The demand is good and the season is the best manufacturers have had for some years. We quote: 2-in. mesh, 19 w.g., discount, 60 per cent.; 2-inch mesh, 18 w.g. and heavier, 50 and 10 per cent.

GREEN WIRE CLOTH.—Prices have advanced 7½ per cent., the quotation per 100 square feet now being $1.37½.

TINWARE AND ENAMELLED WARE. A very fair business is being done in both these lines.

REFRIGERATORS AND FREEZERS. The movement is quite brisk in both these lines.

GAS AND OIL STOVES.—A large trade is being done this week.

HANDLES.—White hickory and ash handles are higher. Discount on second growth and extra ash handles is 25 per cent., and on other grades, 35 per cent.; hickory fork handles, firsts and seconds, 50 per cent., and on other hickory handles, 35 per cent.

CABINET LOCKS.—At a meeting of the manufacturers of the United States on the 22nd inst., an advance in certain staple lines was decided upon.

CEMENT.—There is a better demand springing up for cement, and travellers are sending in good reports. American cement is not now being offered on the Canadian market, recent advances in the United States indicating that there is a big demand over there for this article. The market is still weak owing to competition among the manufacturers. We quote: Canadian Portland, $1.90 to $2.75; Canadian hydraulic, $1.25 to $1.50; German cement, $3; English, $3 to $3.15; Belgian, $2.50 to $2.75 per bbl., and American, $2.20 to $2.30 ex-cars.

METALS.

The position of the iron and steel market continues to gather strength. Trade in metals generally is good.

PIG IRON.—Prices are advancing in the United States quite rapidly in Bessemer iron. The pig iron market in Canada keeps strong with the demand in excess of the supply. The idea as to price is about $19.50 to $20.

BAR IRON.—The demand continues in excess of the supply, but prices remain unchanged. We quote $1.95 to $2.05. Extras cut to length while rolling: 2 ft. and over, 10c. per 100 lb.; 1 ft. and under 2 ft., 15c.; under 1 ft., 20c.; over 20 ft. by special agreement, according to length and size.

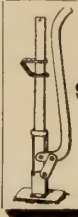
STEEL.—No relief yet appears in sight. Deliveries rather than improving are getting worse, while the demand is active. Quotations are as follows: Merchantable cast steel, 9 to 15c. per lb.; drill steel, 8 to 10c. per lb.; "B C" and "Black Diamond" tool steel, 10 to 11c.; Jessop's, Morton's and Firth's tool steel, 14c.; toe-calk steel, $2.85 to $3; tire steel, $2.30 to $2.50; sleighshoe steel, $2.10 to $2.25; reeled machinery steel, $3; hoop steel, $2.90.

BLACK SHEETS.—The demand is good. In Great Britain prices are rather easier. We quote: Common, $3.15 for 28 gauge, and dead flat, $2.50 for 26 gauge.

CANADA PLATES.—Trade is quiet. We quote: All dull, $3; half polished, $3.10; all bright, $3.75.

GALVANIZED SHEETS.—This is the most active line on the list of sheet metals, and a large business is being done. Prices, locally, are unchanged at $4.50 for case lots, and $4.65 for smaller quantities.

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.
'WELLINGTON' KNIFE POLISH
JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
Wellington Mills, London, England.
Agent:
JOHN FORMAN, 644 Craig Street
MONTREAL


COVERT MFG. CO.
West Troy, N.Y.
Steel Carriage and Wagon Jacks,
Harness Snaps, Chain, Rope and Web Goods, etc.
FOR SALE BY JOBBERS AT MFRS. PRICES.

PRIEST'S CLIPPERS


Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., U.S.A.

NEWMAN'S PATENT
INVINCIBLE FLOOR SPRINGS
Combine all the qualities desirable in a Door Closer. They work silently and effectually, and never get out of order. In use in many of the public buildings throughout Great Britain and the Colonies.
MADE SOLELY BY
W. NEWMAN & SONS, Birmingham.

Oneida Community Goods
HALTERS, COW TIES SNAPS, etc., etc.,
in all sizes and styles. May be had of all jobbers throughout Canada.
Factory—NIAGARA FALLS, ONT.

GARDEN AND ALL OTHER STYLES OF
WHEELBARROWS, WASHING MACHINES,
ROUND AND SQUARE, ROTARY AND REACTING.
Warehouse Trucks, Bag Trucks, Barrel Trucks, etc., etc.
WRITE FOR PRICES.
CLELAND BROS & CO.,
MEAFORD, ONT. (12)

TIN—The pig tin market has taken a decidedly weak turn again, and several sharp declines have taken place during the week in London. Locally, there is not much being done, and $29 to $30 represents the ruling prices.

TINPLATES—Business is good, and stocks, as noted last week, are in good condition. We quote I C at $4.25.

TINNED SHEETS—There are some going out, but the quantities wanted are small. We quote: 70 x 30, up to 24 gauge, 7½c.; ditto, up to 26 gauge, 8c.

COPPER—The outside markets are easy. Locally, business is quiet and prices unchanged. We quote ingot at $15 per 100 lb., and sheet copper at $22 to $23.

BRASS—Trade is fair. Discount 15 per cent.

PIG LEAD — Trade is quiet. There has been a slight reaction in prices in London, quotations closing on Wednesday at a decline of 1s. 6d. We quote pig lead at $3.50 to $3 75, and bar lead at $5.

IRON PIPE—The market continues firm. We quote per 100 ft.: ⅛ in., $3; ¼-in., $2.50; ⅜-in., $2.75; ½-in., $3; ¾-in., $3.70; 1-in., $5.25; 1¼-in., $7.40; 1½ in., $8.90; 2-in., $12.40; galvanized, 1-in., $7.25. Trade discount 4 per cent.

BOILER TUBES—Prices have been advanced 5 per cent. in the United States.

SPELTER—The tone of the outside markets is rather easy. Locally, business is moderate and prices unchanged at $5.50 to $6 per 100 lb.

ZINC SHEET—There is very little movement. We still quote cask lots at $6 to $6.25, and part casks at $6.25 to $6.50.

SOLDER—This is going out freely. We quote: Half-and-half, guaranteed, 19c.; do. commercial, 18½c.; refined, 18c.; wiping, 17½c.

PAINTS AND OILS.

The prices of turpentine continue unchanged, and the market for it is firm. Recent advices from the South tell of a slight advance there, but things are so uncertain that it is difficult to forecast how the market will turn. The new crop will not be in for over a month yet. Raw and boiled linseed oils are firm, and the demand therefor is brisk. The local stocks on hand are light. There has been a brisk movement in dry colors and zinc whites this spring, and the trade in white leads ground in oil and ready-mixed paints is heavy. It is reported that the market for white lead is being weakened by one or two manufacturers cutting prices. There has sprung up a brisk demand for shingle stains with the warm weather. Varnishes are active, but the high prices of shellac make it quiet. Some houses are experiencing a lull during this week, but expect trade to recover in a few days. We quote:

WHITE LEAD—Ex Toronto, pure white lead, $5.87½; No. 1, $5.50; No. 2, $5.12½; No. 3, $4.75; No. 4, $4 37½ in packages of 25 lb. and upwards; ½c. per lb. extra will be charged for 12½ lb. packages; genuine dry white lead in casks, $5.12½.

RED LEAD—Genuine, in casks of 560 lb., $5 to $5.12½; ditto, in kegs of 100 lb., $5.50; No. 1, in casks of 560 lb., $4; ditto, kegs of 100 lb., $4 50.

LITHARGE—Genuine, 6 to 6½c.

ORANGE MINERAL—Genuine, 7½ to 8c.

WHITE ZINC—Genuine, French V.M., in casks, $6 to $6 25; Lehigh, in casks, $6.

SHINGLE STAIN—In 5-gal. lots, 60c. to $1.20 per gal.

BENZINE—In barrel lots, 17c. per gal.; less quantities, 25c. per gal.

PARIS WHITE—90c. to $1 per 100 lb.

WHITING—65c. per 100 lb.; Gilders' whiting, 80c.

GUM SHELLAC—In cases, 35c.; in less than cases, 40c. per lb.

LIQUID SHELLAC—Pure orange, in bbls., $2 25 to $2.35; white, $2 35 to $2 45 per gal.; in less quantities, 10c. extra.

PUTTY—Bladders, in bbls., $2 25; bladders, in 100 lb. kegs, $2 40; bulk in bbls., $1.90; bulk, less than bbls. and up to 100 lb., $2.05; bladders, bulk or tins, less than 100 lb., $2 90.

PLASTER PARIS—New Brunswick, $1.90 per bbl.

PUMICE STONE—Powdered, $2.50 per cwt. in bbls., and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in bbls.

LIQUID PAINTS—Pure, $1 20 to $1.40 per gal.; No. 1, $1.10 per gal.

CASTOR OIL—English, in cases, 9½ to 10c. per lb. and 10 to 10½c. for single tins.

LINSEED OIL—Raw, 1 to 4 barrels, 82c.; boiled, 85c.; 5 to 9 barrels, raw, 81c.; boiled, 84c., delivered. To Toronto, Hamilton and London, 2c. less.

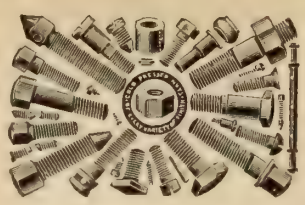
TURPENTINE—Single barrels, 71c.; 2 to 4 barrels, 70c., delivered. Toronto, Hamilton and London 1c. less. For less quantities than barrels, 5c. per gallon extra will be added, and for 5-gallon packages, 50c., and 10-gallon packages, 80c. will be charged.

GLASS.

An advance in glass shortly is not improbable, as, owing to the recent riots in Belgium, the glass manufacturers have withdrawn their quotations. We quote: Under 26 in., $4 45; 26 to 40 in., $4 65; 41 to 50 in., $5.10; 51 to 60 in., $5.35; 61 to 70 in., $5 75; 71 to 80, $6.25; 81 to 85, $7; 86 to 90, $7.75; Toronto, Hamilton and London. Terms, 4 months, or 3 per cent. 30 days. Discount off pane price list, 33⅓ per cent.

OLD MATERIAL.

There has been a marked improvement in trade with the warm weather and the prices are steady. We quote as follows: Heavy copper and wire, 10¼c. per lb.; light copper, 8c. per lb.; heavy red brass, 10c.; heavy yellow brass, 8 to 8½c.; light brass, 5c.; lead, 2¼ to 2½c.; scrap zinc,

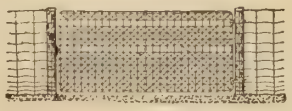


THE JOHN MORROW MACHINE SCREW COMPANY, Limited

Manufacturers of

Set and Cap Screws, Special Milled Work, Engine Studs, Etc. Cold Punched Nuts of every variety of finish.

INGERSOLL, ONT.



PAGE METAL GATES are so low in price no one can afford to use wooden ones. Light, and yet strong enough to support a heavy man on the end while he swings around the circle without causing them to sag. They are neat in appearance, will last a lifetime. Will not sag nor get rickety. They are supplied with latches which allow them to be opened either way and are self acting. The only good metal gate that is low enough in price for General farm purposes. We also make Farm and Ornamental Fence, Poultry Netting, Nails and Staples. The Page Wire Fence Co., Limited, Walkerville, Ont.

BISHOP & CO. Established 1850.

27 and 28 Little Trinity Lane, - LONDON, ENG.

54 Scotland St., SHEFFIELD — Table Cutlery, all qualities.

23 Vittoria St., BIRMINGHAM — Wrought Steel Pots, round or oval. Tinned inside or enamelled.

Samples on view at the following Agencies:—

Alex. Thurber, 446 St. Paul St., - - MONTREAL.
E. Fielding, 34 Yonge St., - - TORONTO.
E. L. Denoncourt, 74 St. Joseph St., - QUEBEC.

2¼ to 2½c.; iron, No. 1 wrought, $14.50 per net ton; No. 2 wrought, $6; machinery cast scrap, $14; stove plate, $10; malleable and steel, $6; old rubbers, 6c. per lb., and country mixed rags, 50c. per 100 lb.

HIDES, SKINS AND WOOL.

HIDES—Trade is dull and prices are weak. We quote: No. 1 green, 6½c.; No. 2 green, 5½c.; No. 1 green, steers, 7½c.; No. 2 green, steers, 6½c.; cured, 7¼ to 7½c.

SKINS—The supply is small, but the demand also is small, and prices are steady. The prices of deacons have widened. We quote: No. 1 calfskins, 10c.; and No. 2, 8c.; deacons (dairies) 55 to 65c. each; sheepskins, 80c. to $1; lambskins, 15c.

WOOL—The market is weak, and there are no signs of a change for the better. We quote: Fleece wool, 12½c., and unwashed, 7 per lb.

SEEDS.

Although the season is nearly over, there is a good demand for all kinds of seeds. The prices of red clover and alsike have weakened, but timothy remains unchanged. We quote out of store at Toronto: Red clover, $6.50 to $9; alsike, $10 to $16, and timothy, $7.80 to $8.25.

COAL.

The demand for soft coal is heavy, owing to the activity of manufacturers here and elsewhere, while for hard coal it is quiet. We quote prices at international bridges as follows: Grate, $4.75 per gross ton; egg, stove and nut, $5 per gross ton; soft coal, $2.50 to $3.25 in bond.

PETROLEUM.

There is a good demand springing up, and prices are steady. We quote: Pratt's Astral, 17 to 17½c. in bulk (barrels extra); American water white, 17½ to 18c. in barrels; Photogene, 17 to 17½c.; Sarnia water white, 16½ to 17c. in barrels; Sarnia prime white, 15 to 15½c. in barrels.

MARKET NOTES.

Wringers are dearer.

Binder twine is ½c. per lb. higher.

Harvest tools have been advanced another 10 per cent. in price.

The makers of ash and hickory handles have advanced their prices.

Green wire cloth is 7½c. higher, being now quoted at $1.37½ per 100 square feet.

Cabinet locks have been advanced in price by the manufacturers in the United States.

CANADIAN IRON ON THE CLYDE.

An English trade paper says: "Another cargo of 5,000 tons of Canadian iron has just arrived in the Clyde. It seems to go readily into consumption, and gives, it is said, satisfaction to the buyers."

NOVA SCOTIA MARKETS.

HALIFAX, April 22, 1902.

THE hardware business in the city was very brisk during the past week, and there is every indication that it may continue so. Building operations are going briskly forward, both in the city and throughout the country generally, and there is a great demand for all kinds of building materials, roofing, cement, glass, etc. Jobbers' payments are exceptionally good, and there seems to be a healthy tone all over the country.

* * *

The event of the week has been a notice from the manufacturers of an advance of 20 per cent. on both American and Canadian builders' hardware. This came as quite a surprise, and, as there are many orders yet unfilled, and the expectation of a continued general demand during the summer, the dealers here will have to make a corresponding advance. Contractors who had not ordered their full requirements have been caught unawares, and the advance will mean considerable loss to them. However, the late continued firmness in iron and steel should have made this advance an expected contingency. As a matter of fact it did, and some of the wholesalers have in heavy stocks while others are short.

* * *

There was considerable activity during the past week among the hardwaremen who deal specially in fishermen's supplies. During the week, some 40 or 50 fishing vessels were in port getting their last supplies and outfitting previous to sailing for the fishing grounds, where they will remain until full cargoes are obtained. Some of these, from Lunenburg, Shelburne and other of the large centres, had bought their salt and much of their fishing gear at home, but there are always some things at the last moment which have to be procured at Halifax. So many vessels in at one time made business very active.

* * *

The cordage situation has been restless at times for some months, and various advances have been noted in sisal and British manila. These have again been subject to an advance of ½c., consequent on the scarcity of fibre. Other advances in cordage are anticipated. Pig iron has also been subject to further advance. The linseed oil and turpentine situation is now much easier, and it is possible that there may be some reduction from recent advances. There is considerable demand for both at this season.

* * *

Heavy importations of glass, cement, and general hardware have arrived by steamers during the last week, and dealers are fairly well stocked up, though in some lines there is still difficulty in having orders filled promptly in the primary market.

* * *

There has been considerable activity lately in wire fencing, as this is the season when this article is most in demand. There has also been considerable doing in mill and mining supplies. R. C. H.

ANDREW BELL AND CO DISSOLVE

Andrews, Bell & Co., Montreal, have dissolved. Mr. J. B. Bell, the resident partner in Montreal, has joined with his father, Mr. Thomas Bell, and his brother, Mr. Thomas Bell, jr., in forming a new company, carrying on business in Montreal and Liverpool. Messrs. MacGilchrist and Hobson, partners of the old Liverpool firm, are forming a new and separate company under the style of Andrews, Gillespie & Co., which will also do business in Montreal as well as in Liverpool.

BACK FROM THE PACIFIC COAST.

Mr. I. N. Waite, hardware, stove and tinware dealer, Picton, Ont., accompanied by Mrs. Waite, was in Toronto this week en route home from Colorado and California, in which States he and Mrs. Waite have been spending the winter.

Their friends in the trade will be glad to know they have returned much benefitted in health.

PERSONAL MENTION.

Mr. Adair, of J. & T. Adair, hardware merchants, Dawson, is in Toronto on a purchasing trip. The firm has several stores in the Klondike.

WHOLESALE HARDWARE

Wanted a gentleman thoroughly conversant with the Hardware business, as GENERAL MANAGER for a Wholesale Jobbing House about to be incorporated. Must have long experience, and be absolutely capable. Party with a few thousand dollars to invest would be preferred, but this is not the essential point.

Address, with full particulars and salary required, (in confidence),

Box 87, Hardware and Metal, Toronto.

"MIDLAND"

BRAND

Foundry Pig Iron.

Made from carefully selected Lake Superior Ores, with Connellsville Coke as fuel, "Midland" will rival in quality and grading the very best of the imported brands.

Write for Prices to Sales Agents

Drummond, McCall & Co.
MONTREAL, QUE.
or to
Canada Iron Furnace Co.
MIDLAND, ONT. Limited

American Steel & Wire Co.

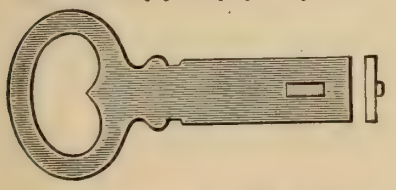
New York: Empire Building. Montreal: New York Life Building. Chicago: The Rookery.

BARB WIRE. GALVANIZED PLAIN WIRE.
PLAIN TWIST CABLE FENCING.

Telegraph and Telephone Wire, Mattress, Broom, Weaving Wires of every description, Rail Bonds, Bale Ties, Special Wires for all purposes. Springs, Horse Shoes, Wire Rope, Cold Drawn Steel Shafting.

KEYS

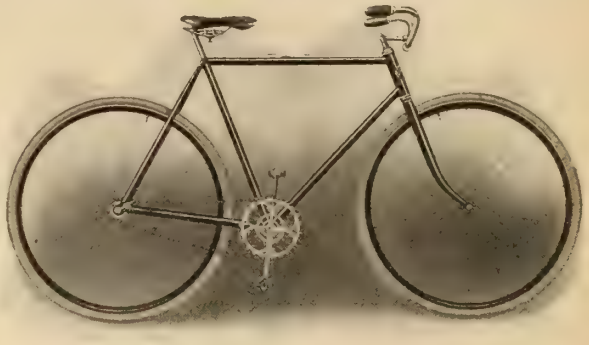
We have received our Spring stock and can ship promptly—Try us.



Bicycles

"EAGLE" AND "SNELL"

Send for Catalogues and trade quotations



JOHN MILLEN & SONS

Branch: 132 Bay Street, Toronto, Ont. MONTREAL, CANADA



They came out all right!

So does anyone who uses the genuine

AMERICAN or GEM

Spring Hinges

In use nearly forty years and noted for great durability and correct workmanship.

Please write to

LAMPLOUGH & McNAUGHTON, De Bresoles Street, MONTREAL, QUE.

Canadian Agents

Sole Manufacturers

The Columbian Hardware Company, COE and HAMILTON STREETS, Cleveland, Ohio

HEATING AND PLUMBING

SOME BUILDING NOTES.

THE McClary Manufacturing Company are adding two more storeys to their warehouse on Water street, London, Ont., at a cost of $10,000.

W. Jack is erecting a new dwelling at Hagersville, Ont.

A new Anglican church will be built at Glenwilliams, Ont.

A new separate school will be erected at Port Arthur, Ont.

A new summer hotel is being built at Hillsboro', Albert County, N.B.

During the summer a new industrial school will be built at Hull, Que.

H. A. McKibbin is going to erect a new house at Port Arthur, Ont.

A new Roman Catholic convent will be built at Orillia, Ont., this season.

W. Nichols will build a storey-and-a half brick cottage on Blackfriars street and the Waincliffe Road, London, Ont.

J. T. Robinson has taken out a permit for the erection of a brick-veneered one-and-a-half storey cottage at London, Ont.

BUILDING PERMITS IN TORONTO.

During the week building permits have been granted from the office of the City Commissioner, Toronto, as follows: City Corporation for a one-storey building of stone, brick, steel and concrete, for Manufacturers' and Liberal Arts Building at Exhibition Park, for $10,000; S. H. Janes, for three one-storey brick dwellings on the north side of Ruskin avenue, for $3,300; T. H. Peacock & — —, Carton, for a two-storey frame factory, covered with galvanized corrugated iron, on the Don Esplanade, for $1,000; St. Luke's Church, for a one-storey brick Sunday school at the southeast corner of St. Joseph and St. Vincent street, for $6,500; George Wills, for two one-storey attached brick stores on the south side of College street, for $600; E. Howard, for a two-storey brick dwelling at 63 Walker avenue, for $2,400; The Merchants' Dyeing and Cleaning Co., for the erection of a brick and steel two-storey factory on the corner of Liberty street and Pacific avenue, for $6,000; S. H. Courtney, for a two-storey brick dwelling at 626 Bloor street west, for $700; W. McIlveen, for a two-storey frame store and dwelling on Gladstone avenue, for $1,400; A. J. Henderson, for a pair of semi-detached two-and-a-half storey brick dwellings at 29-31 Albany avenue, for $1,500; Robert Clayton, for a two-storey brick dwelling at 350 Markham street, for $3,000; C. F. Wagner, for a brick foundation under dwelling on St. Vincent street, for $600.

A BUILDER IN DIFFICULTY.

Thomas Turff is a carpenter and builder having his place of business at 92 Adelaide street west, Toronto. His affairs have been going behind for a considerable time, and he made an assignment to R. H. Mackay, Toronto, on April 19. There was a meeting of creditors on April 23, but no statement of his assets and liabilities could be submitted. Miles Vokes and Frank Hillock were appointed inspectors to act in conjunction with the assignee, and the assets will be sold by auction on Monday, April 28.

KINGSTON PLUMBERS MAY LOCK OUT.

The union plumbers of Kingston and their employers are differing. The union wants to have two grades of men recognized, one to be paid 22½c. an hour, or $2 per day, and the other to be paid 19½c. per hour, or $1.75 per day, the day in each case being an nine-hour one. The masters are willing to pay $2 a day to the better ones, but several object to paying the others $1.75 a day. The union also wants the bosses to employ only union labor, and to this some employers object. Other employers have signed an agreement acceding to the demands of the men, and it is said that if all have not signed the agreement before May 1 a lockout will take place.

SAFETY VALVES ON GAS-HOLDERS.

Herr Kreitling has recently been discussing methods for avoiding accidents with acetylene plants in one of the German journals. He points out that the great majority of explosions have been due to the stupid practice of entering the apparatus house with a naked light when it has become full of an explosive mixture of acetylene and air caused by an escape of gas from the generator. Sometimes the escape may be produced by the gradual rusting away of certain portions of a cheaply constructed machine, and at others to the stoppage of a pipe or cock. With automatic apparatus it may occasionally happen that the controlling mechanism breaks down, and a larger quantity of carbide than should be is decomposed, or, indeed, the whole of the carbide in the generator is attacked by the water instantaneously. This gas passes to the holder, and if the consumption be not equal to the make, the holder soon becomes quite full. Then there is no safe outlet for the surplus gas save through the safety-valve, whence it follows that the safety-valve should have a clear diameter equal in area to the pipe admitting acetylene to the holder. Safety-valves are now always fitted, but they are generally small in bore, and would not be able to cope with a rapid and long-continued overmake of gas. If the safety-valve is too small for its work the extra gas blows the seal, and the danger of an explosion arises at once. Generator-sheds should be provided invariably with external artificial illumination (not an acetylene lamp supplied by the same apparatus, we would remark), and the possessor might, with advantage, procure a Davy safety-lamp to take inside in case of an undiscoverable breakdown.

BUILDING IN WINNIPEG.

From January 1, 1902 until April 15, the total amount of the building permits issued in Winnipeg was $239,250 as against $373,425 for the same period last year.

LONG-DISTANCE HEATING IN GERMANY.

United States Consul-General Richard Guenther, of Frankfort, under date of March 24, 1902, reports the completion at Dresden of the largest long distance heating plant in Europe. From a central station, says the Consul-General, many public buildings on the left bank of the River Elbe, including the theatre, the museum, the castle, the Royal kitchen, the Customs house, etc., are heated. The greatest distance over which heat is transmitted is three-fourths of a mile. The total heat consumption per hour is 15,200,000 heat units. The usual steam pressure is two atmospheres. Ten of the 14 boilers are used, and to guard against accidents, two main lines of pipes have been provided. The loss of heat in transmission is from 4 to 4½ per cent. The pipes are protected by two layers of tin, the inner layer being perforated and the outer one covered with silk. The largest pipes have a diameter of 216 millimeters (8.51 inches).

A PAINTER'S GREEN



Ramsays Vienna Green is pre-eminently a painter's green. The moment he touches it he knows it is the smoothest, the finest ground, the richest, the strongest of all the greens. For use on blinds, doors, and everything that should be green and be kept green. Three shades—all size tins. Booklets and show cards. Ramsays **Vienna Green** is registered. Infringers will be prosecuted.

A. RAMSAY & SON PAINT MAKERS
MONTREAL EST'D 1842

Booth Copper Co., Limited

Cuts Copper and Brass

SHEETS—TUBES—RODS

to any size.

FULL STOCK ALWAYS ON HAND.
PROMPT SHIPMENTS.

The BOOTH COPPER CO., Limited

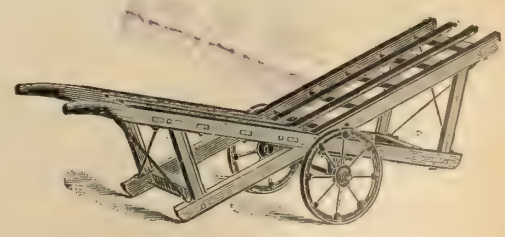
119-123 Queen St. East,
TORONTO.

This is the . . . time you want TRUCKS





We are prepared to quote you low prices on all styles of Warehouse, Factory, Hotel and Railway Trucks.



RUBBER-TIRED WHEELS FURNISHED WHEN DESIRED.
We have just received several large shipments, and can ship promptly.

THE FAIRBANKS COMPANY

747 and 749 Craig St., Montreal.

LEADER CHURN

New Century Improvements

FOUR DIFFERENT STYLES:

A—Steel Frame with double reversible Steel Lever.
B—Wood Frame with double reversible Steel Lever.
C—Steel Frame with Crank.
D—Wood Frame with Crank.

Styles **A** *and* **B** *may be operated from a sitting or standing position.*

Steel Frames and Hoops beautifully ALUMINIZED.

All LEADER CHURNS are equipped with BICYCLE BALL BEARINGS and PATENTED CREAM BREAKERS.

Stands are so constructed that they are particularly strong and rigid, and there is nothing to interfere with the placing of pail in the most convenient position for draining off buttermilk.



It Pays to Have the Best. None are Better Than the Leader.

THE DOWSWELL MANUFACTURING CO., LIMITED, HAMILTON, ONT.

Eastern Agents: W. L. Haldimand & Son, Montreal, Que.

CUSSIN'—DISCUSSIN'

Dealers may avoid the former and have the satisfaction of hearing their customers discussing in terms of praise the goods that are right.

Always handle the best.

Satisfaction is assured if the Dowswell Manufacturing Co., Limited, are the makers of the goods you sell.



The New Century Washing Machine

This cut illustrates the latest and best machine for washing clothes yet invented.

Having strong spiral springs and ball-bearings—the same as used in High-Grade Bicycles—very little effort is needed to do what with other means is hard work.

Nothing so easy—nothing so thorough—nothing less wearing on garments. It is perfection.

A customer says: "It has none but good points."

Another customer says: "It is a darling; washes a tubful in five minutes."

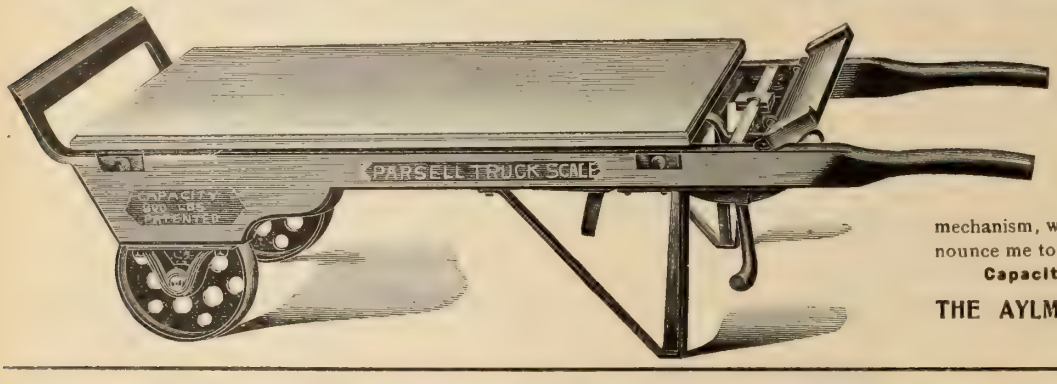
It is the **New Century Washer.**

Every Hardware Dealer should have them. They are not the cheapest, but are sellers, and will do all that is claimed

The operator can positively do the work, and without effort, while seated, and the machine is enclosed, retaining heat and vapor.

The Dowswell Manufacturing Co., Limited,
Sole Manufacturers in Canada. **Hamilton.**

I AM THE PARCELL DROP LEVER TRUCK SCALE.



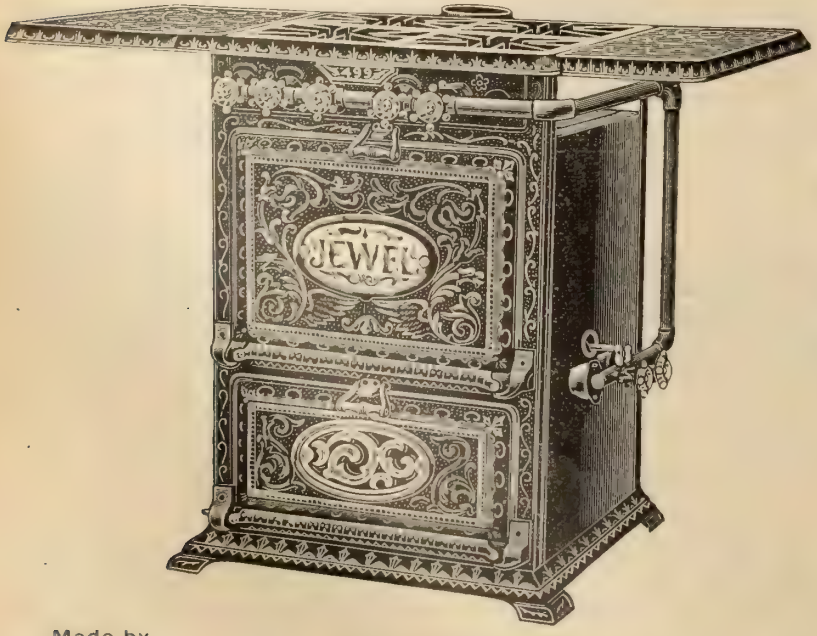
I HAVE no connection or relationship with any other Truck Scale. Do not condemn me because some other Truck Scale was not right, but give me a chance to prove to you that I am the most convenient scale made, and that I am perfectly correct and a first-class piece of mechanism, which I must be, as good inspectors pronounce me to be a first-class article.

Capacities: 800 lb., 1,200 lb., 1,600 lb.

THE AYLMER IRON WORKS CO., Limited
AYLMER, ONT.

It is not GAS . . .

when we say that "Jewel" Gas Ranges give better satisfaction with less fuel than any other make.



FITTED WITH

Removable Thimble Caps
Needle Valves
Adjustable Air Mixers
and
Slotted Burners

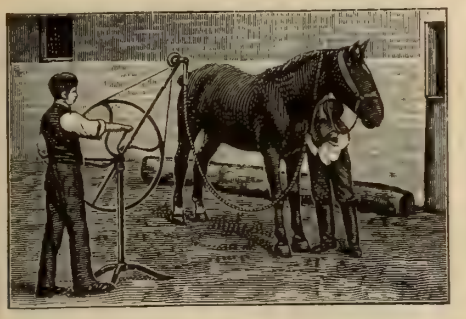
"JEWELS" will not puff or light back.
Good for the Dealer.
The Best for the User.

Made by
The Burrow, Stewart & Milne Company, Limited, Hamilton.

BURMAN & SONS' CELEBRATED CLIPPERS

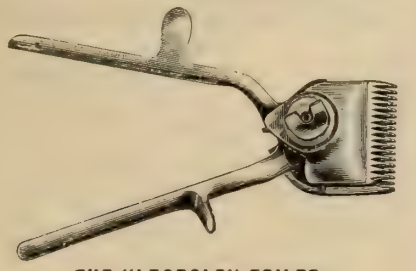
Established 1871. **BIRMINGHAM, ENG.** for Horsemen and Barbers.

NO. 297.

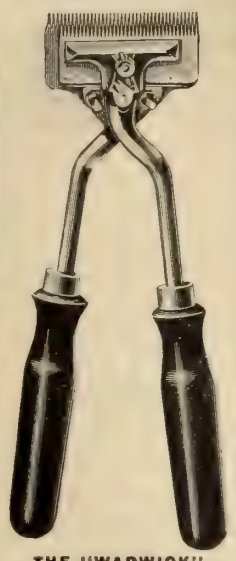


NO. 3—POWER CLIPPER, with "Wrist Joint."

As supplied to { The Czar of Russia. The King of Denmark. Earl Roberts, Etc., Etc.



THE "LEOPOLD" TOILET.



THE "WARWICK" CLIPPER.

Cuts over three teeth.

As supplied to His Majesty's War Department.

SEND FOR PRICE LIST AND TERMS.

To be obtained from all the principal Jobbers throughout the Dominion.

BUTLER'S

FAMOUS

Sheffield Cutlery.

Fish and Dessert Knives; Spoons and Forks; Cabinets and Cases of Cutlery and Plate.

"BUTLER" was registered as a Trade Mark, A.D. 1768.

Sole Makers of the celebrated "CAVENDISH" brand of Table Knives and Carvers. And Butler's "KEEN" Razors.

HIGHEST AWARDS. SPECIAL MENTION.

—Full Line of Samples and stock at—

GEORGE BUTLER & CO.'S

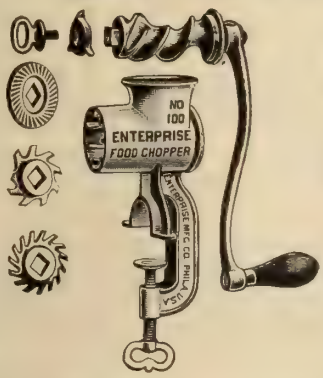
LONDON SHOWROOM: 62 HOLBORN VIADUCT, E.C. (Over Snow Hill Station.)

MANUFACTORY: Trinity Works, SHEFFIELD, ENG.

ENTERPRISE on an article is a Guarantee of QUALITY

ENTERPRISE

FOOD CHOPPERS



Four Knives with each Machine

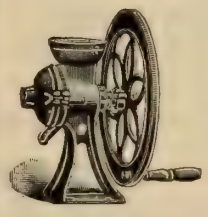
No. 100, *chops 2 lbs. per minute,* **$1.50**
No. 300, *chops 3 lbs. per minute,* **$2.25**

Sell every Day in Year

GUARANTEED TO CHOP RAW MEAT

Illustrated Catalogue FREE *Order through your Jobber*

Bone, Shell & Corn Mill



No. 750, $7.50

Meat Juice Extractor



No. 21, $2.50

Cherry Stoners

5 Sizes & Styles



No. 1, $7.50 doz.

Rapid Grinding & Pulverizing Mills

45 Sizes & Styles for Hand & Power, $1.25 to 300.00



No. 2½, $4.75

New York Branch. 10 Warren Street

The Enterprise Mfg. Co. of Pa., Philadelphia, Pa.

San Francisco Branch 105 Front Street

To Those About to Marry :—

Punch's advice was DON'T : and to those who are tempted by lower prices to purchase any other Horse Nails than the best, our advice is DON'T. You will repent it. Cheap Horse Nails may afford you more profit, but in selling the best, which is acknowledged to be the "C" brand, you will have the satisfaction of making permanent customers with the Farrier who uses them, for they will undoubtedly last longer, and prove in the end more economical. It stands to reason that it should be so, and it is supported by the experience of the world which has become embodied in the statement that "the best are the cheapest." The best goods are not made cheaply. The "C" Horse Nails are not made cheaply ; they are made only from the best obtainable material which is known or used for the purpose of making Horse Nails. The material therefore, commands the best market price. The process we use, and which is exclusively used in our works on this Continent, furnishes the best results in the best way. Every Nail is "hot forged" from the Rod of Swedish Charcoal Steel. Every Nail is examined singly before it is put into the box, in order to discover any imperfection. Every box of Nails is warranted perfect. Every box may be returned free of all charges, if not in every respect entirely satisfactory to the purchaser. We have been making nothing else but Horse Nails for thirty-seven years, and this long experience is embodied in the Nails you buy bearing our "C" Brand and name. You can do all your Horse Nail trade with one brand if it is our "C" Brand. Try it this year.

Your Orders Solicited.

Canada Horse Nail Company, MONTREAL.

A WELL-KNOWN MERCHANT DEAD.

Joseph Kerr, who for many years conducted a business as general merchant at Aultsville, Farran's Point and Wales, Ont., died at Wales on April 11, at the age of 64 years.

Mr. Kerr was born in County Fermanagh, Ireland, in 1838, and removed a few years later to Canada with his parents. In his earlier days he worked on the Grand Trunk Railway, becoming a conductor. He afterwards formed with his brothers the firm of Kerr Bros., general merchants, and had charge of their business at Wales.

In 1879 he was elected as Conservative member for Stormont in the Provincial Legislature and continued to be their representative until 1886.

DISAPPROVED OF THE PROTECTION

"I got no use for Congress," asserted Mr. Lemuel Higgins, proprietor of the Bowersville Grocery and Dry Goods Emporium. "Why, here's 'Si' Simpkins and 'Joe' Skinner has been owin' me $10 apiece fer sugar for six year, an' they jest won't pay up, an' now Congress is goin' ahead an' makin a law to pertect people like that. I don't see why sugar beats is entitled to any better show than any other rascals."—Baltimore American.

MR. GRANGER RE-ELECTED PRESIDENT.

At the annual meeting of the shareholders of The Auer Incandescent Light Manufacturing Co., Limited, Mr. A. O. Granger was reelected president. The directors, Messrs. John Murphy, S. Carsley, C. A. Duclos, J. G. Ross, F. E. Nelson, A. O. Granger, T. W. Boyd, Hugh Glassford and W. R. Granger were reelected for the ensuing year. Other officers elected were Mr. W. R. Granger, general manager and secretary, and Mr. Thomas Sutton, treasurer.

The annual statements and the report of the board of directors were unanimously adopted.

At another meeting a resolution of sympathy was passed for the death of Father Quinlivan, whose support and cooperation were very much appreciated by the members of the company.

THE ARGENTINE LINSEED CROP.

Reports from the Argentine Republic indicate that the linseed crop of the River Plate region will be considerably in excess of early predictions. Conservative estimates called for an 8,000,000 bushel crop, but, basing their figures on the shipments of the first four weeks of 1902, the opinion is becoming general that the crop will be 10,000,000 and possibly 12,000,000 bush.

THE CANADA PAINT COMPANY Limited	**SOLE MAKERS** Canada Paint Company's "Decorators' Pure" White Lead, specially prepared for first-class Decorators' work, inside or outside, of fine texture, and good body.
THE CANADA PAINT COMPANY Limited	**SOLE MAKERS IN CANADA** Elephant "Genuine" White Lead. The highest grade of Dry White Lead is used exclusively for this famous brand — very durable.
THE CANADA PAINT COMPANY Limited	**SOLE MAKERS** Painters' Perfect White Lead. A snowy white paint of great covering power. A growing favorite with painters.
THE CANADA PAINT COMPANY Limited	**SOLE MAKERS** Diamond Graphite and 93 per cent. Magnetic Oxide. The great paints for iron bridge and construction work.
THE CANADA PAINT COMPANY Limited	**SOLE MAKERS** The "Amberite" Varnishes in sea'ed cans. Made and tested by expert workmen. Ample stock in Toronto and Montreal.
THE CANADA PAINT COMPANY Limited	**SOLE MAKERS** of the most popular and ready - selling brands of Liquid Paints in Canada. We give the best value.
THE CANADA PAINT COMPANY Limited	**NO OTHER MAKERS** in this or any other country possess equal facilities for giving the hardware merchant his paint supplies at first hands.

Persons addressing advertisers will kindly mention having seen their advertisement in The Canadian Hardware and Metal Merchant.

Canadian Wringer Co.

Manufacturers of the following

CLOTHES WRINGERS

Queen,	Eureka,
Royal Canadian,	New Eureka,
New Metropolitan,	Stone,
New Lightning,	Jubilee Ball Bearing
	Etc., Etc.

All our Rolls are of Solid White Rubber and Vulcanized to Shaft. . . . Send for Catalogue and Discounts.

16 SHEPPARD STREET, TORONTO.

WE MANUFACTURE

TOOLS

USED BY

Stone Workers, Cement Workers, Paving and Building Contractors, Railroad and Telephone Companies.

We also make special Wrought Iron or Steel Work to drawings. Estimates furnished for any quantity. Goods delivered f.o.b. Windsor.

W. H. ANDERSON & SONS,

St. Aubin Ave., Detroit, Mich.

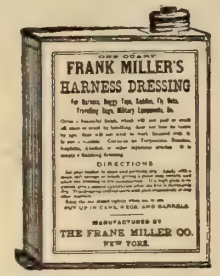
Canadian Branch,
with Eureka Planter Co., WINDSOR, ONT.

FRANK MILLER'S

HARNESS PREPARATIONS.

FRANK MILLER'S

HARNESS DRESSING



Recognized as

"THE STANDARD."

Produces a brilliant jet-black gloss which will not peel or smut and to which dirt will not stick.



Frank Miller's

Harness Soap

Unrivaled for cleaning and softening Harness

Put up in cakes, pans, boxes and tubs.

FRANK MILLER'S

Harness Oil.



Preserves and softens the leather, thus adding life.

The highest quality of oil on the market.

Bargains in Second Hand Machinery.

LATHES.

60 x 20 Wilmarth triple geared very heavy.
49 x 14 Fitchburg Plain turning C. R. & P. C. F.
48 x 21 Harrington triple grd., C. R. & P. C. F.
44 x 24 Betts triple grd., C. R.
42 x 19 x 20 Fish, triple grd.
30 x 15 Fish C. R. & P. C. F.
27 x 8′ 6″ D. W. Pond, C. R. & P. C. F., good.
27 x 18 Lodge & Shipley, C. R. & P. C. F.

SCREW MACHINES.

⅜, ⅝ and 2″ Cleveland auto, A1.
Lot of No. 1 and No. 2 P. & W. hand.
No. 0, No. 1 and No. 2 P. & W. double turret, auto.
20 x 7 Fay & Scott, univ.
15 x 6 Jones & Lamson turret.

SHAPERS.

24″ Walcott shifting belt.
18″ Wright friction.
20″ Chase friction.
Lot of trav. hd. shapers, different sizes.

PLANERS.

51 x 50 x 18 second-hand planer, 1 hd., good.
30 x 30 x 8 Whitcomb, 1 hd., good.
30 x 30 x 8 L. W. Pond, 3 hds., good as new.
24 x 28 x 6 hendey planer, all feeds.
24 x 24 x 6 Powell 1 hd., good.

DRILLS.

6′ arm univ. radial heavy pat.
Pond Machine Tool Co.'s radial drill.
Pond Machine Tool Co.'s heavy suspension, A'.
4′ arm Betts radial.
40″ Gleason upright, B. G. & P. F.
42″ Cin. ditto.
40″ Mich el upright.
26″ Gould & Eberhardt, B. G. & P. F., good.

MILLING MACHINES.

No. 3 Cin. univ., without hd.
18- No. 2 P. & W. Lincoln pattern miller's, good.
Heavy Pedrick & Ayer univ., all feeds.
4 No. 2 B. & S. plain miller's, good as new.
2 No. 1 B. & S. dittos.

MISCELLANEOUS.

No. A ¼ New Doty punch and shear, 9″ throat.
Lot of friction board drop hammers, Nos. 400 to 1700.
No. 600 P & W. drop hammer.
Small No. 100 steam hammer.
200-ton vert. hydr. press.

Also large assorted stock of other tools. Send for complete list.

PRENTISS TOOL & SUPPLY CO.

115 Liberty St., NEW YORK, N.Y.

BUFFALO—507 D. S. Morgan Bldg.
BOSTON—200 Franklin St.
PITTSBURG—120 First Ave.
Address all inquiries to Dept. No. 5.

NIXON AND WINTERBOTTOM, Ltd.

MANUFACTURERS.

PYRAMID WORKS, SHEFFIELD, ENGLAND.

N TRADE MARK W

Registered Trade Mark

N W PYRAMID CUTLERY Co SHEFFIELD

Registered Trade Mark

TABLE CUTLERY
BUTCHERS' KNIVES & STEELS
FARRIERS' KNIVES

ESTABLISHED **1861**

TELEGRAMS "PYRAMIDS, SHEFFIELD."

BREAD KNIVES
PUTTY, PALLETTE, SHOE & POTATO KNIVES

1290



1294



1322



CASE CARVERS A SPECIALTY

Canadian Agents: Messrs. W. L. HALDIMAND & SONS, St. Dizier St., MONTREAL

THE CONDUCT OF THE COMMERCIAL LIFE.

From "The Empire of Business," by Andrew Carnegie.

IT is the fashion nowadays to bewail poverty as an evil, to pity the young man who is not born with a silver spoon in his mouth, but I heartily subscribe to President Garfield's doctrine that "The richest heritage a young man can be born to is poverty." It is not from the sons of the millionaire or the noble that the world receives its teachers, its martyrs, its inventors, its statesmen, its poets, or even its men of affairs. It is from the cottage of the poor that all these spring.

DISTRIBUTION OF WEALTH.

By administering surplus wealth during life great wealth may become a blessing to the community, and the occupation of the business man accumulating wealth may be elevated so as to rank with any profession.

Money is left by millionaires to public institutions when they must relax their grasp upon it. There is no grace, and can be no blessing, in giving what cannot be withheld. It is no gift, because it is not cheerfully given, but only granted at the stern summons of death. The miscarriage of these bequests, the litigation connected with them, and the manner in which they are frittered away seem to prove that the fates do not regard them with a kindly eye.

INHERITED WEALTH.

Nothing is truer than this, that, as a rule, the "almighty dollar" bequeathed to sons or daughters by millions proves an almighty curse. It is not affection for the child, it is self-glorification for the parent which is at the root of this injurious disposition of wealth. There is only one thing to be said for this mode; it furnishes one of the most efficacious means of rapid distribution of wealth ever known.

INDEPENDENCE OF CHARACTER.

One false axiom you will often hear, which I wish to guard you against:- "Obey orders if you break owners." Don't you do it. This is no rule for you to follow. Always break orders to save owners. There never was a great character who did not sometimes smash the routine regulations and make new ones for himself.

Boss your boss just as soon as you can; try it on early. There is nothing he will like so well if he is the right kind of boss; if he is not, he is not the man for you to remain with—leave him whenever you can, even at a present sacrifice, and find one capable of discerning genius. Our young partners in Carnegie Brothers won their spurs by showing that we did not know half as well what was wanted as they did.

CONCENTRATION.

"Don't put all your eggs in one basket" is all wrong. I tell you "Put all your eggs in the one basket and then watch that basket." It is easy to watch and carry the one basket. It is trying to carry too many baskets that breaks most eggs in this country. He who carries three baskets must put one on his head, which is apt to tumble and trip him up.

It took me some time to learn, but I did learn that the supremely great managers, such as you have these days, never do any work themselves worth speaking about. Their point is to make others work while they think. I applied this lesson in after life, so that business with me has never been a care. My young partners did the work and I did the laughing, and I commend to all the thought that there is very little success where there is little laughter.

TRUSTS.

The fashion of trusts has but a short season longer to run, and then some other equally vain device may be expected to appear when the next period of depression arrives; but, there is not the slightest danger that serious injury can result to the sound principles of business from any or all of these movements. The only people who have reason to fear trusts are those foolish enough to enter into them. The consumer and the transporter, not the manufacturer and the railway owner, are to reap the harvest.

Given freedom of competition and all combinations or trusts that attempt to exact from the consumer more than a legitimate return upon capital and services write the charter of their own defeat.

MILLIONAIRES.

Here is a remarkable fact, that the masses of the people in any country are prosperous and comfortable just in proportion as there are millionaires.

In the old home of our race, in Britain, which is the richest country in all Europe, there are more millionaires than in the whole of the rest of Europe, and its people are better off than in any other.

CAPITAL AND LABOR.

The trouble between capital and labor is just in proportion to the ignorance of the employer and the ignorance of the employed. The more intelligent the employer the better, and the more intelligent the employed the better. It is never education, it is never knowledge that produces collision. It is always ignorance on the part of the one or the other of the two forces. Speaking from an experience not inconsiderable, I make this statement. Capital is ignorant of the necessities and the just dues of labor, and labor is ignorant of the necessities and dangers of capital. That is the true origin of friction between them.

Wealth is being more and more distributed among the many. The amount of the combined profits of labor and capital which goes to labor was never so great as to-day, the amount going to capital never so small.

EDUCATION.

In my own experience I can say that I have known few young men intended for business who were not injured by a collegiate education.

Men have wasted their precious years trying to extract education from an ignorant past whose chief province is to teach us, not what to adopt, but what to avoid. Men have sent their sons to colleges to waste their energies upon obtaining a knowledge of such languages as Greek and Latin, which are of no more practical use to them than Choctaw.

Common galvanized iron

has all the faults there are;

the worst one is its varying.

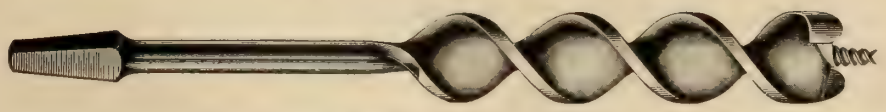
Apollo is uniform.

American Sheet Steel Company, New York

Representatives for Canada
B. & S. H. Thompson & Company
53 St. Sulpice Street
Montreal

SOMETHING NEW

Caldwell Lightning Auger Bits.



Patented May 21, 1901.

This bit will bore two holes in less time than it takes to bore one with any other bit.

AGENTS:

Caverhill, Learmont & Co., - - - Montreal.
Wood, Vallance & Co., - - - - Hamilton.
Geo. D. Wood & Co., - - - - Winnipeg.

CURRENT MARKET QUOTATIONS

April 25, 1902.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag and Straits—56 and 28 lb. ingots, 100 lb.	30 00	31 00

Tinplates.

Charcoal Plates—Bright

	Per box
M.L.S. equal to Bradley	
I.C., usual sizes	$6 75
I.X., "	8 25
I.X.X., "	9 75
Famous, equal to Bradley—	
I.C.	6 75
I.X	8 25
I.X.X	9 75
Raven & Vulture Grades—	
I.C., usual sizes	5 00
I.X., "	6 00
I.X.X "	7 00
I.XXX., "	8 00
D.C., 12½x17	4 50
D.X	5 25
D.X.X	6 00

Coke Plates—Bright

Bessemer Steel—	
I.C., usual sizes	4 25
I.C., special sizes, base	4 75
20 x 28	9 00

Charcoal Plates—Terne

Dean or J. G. Grade—	
I.C., 20x28, 112 sheets	8 50
I.X. Terne Tin	10 50

Charcoal Tin Boiler Plates

	Per lb.
Cookley Grade—	
X X., 14x56, 5 shee bxs " 14x60, " " 14x65, "	0 06½

Tinned Sheets

72x30 up to 24 gauge		0 07½
" 26 "		0 08

Iron and Steel.

Common Bar, per 100 lbs	1 95	2 05
Refined " "		2 45
Horse Shoe Iron "		2 40
Hoop steel, 1½ to 3 in. base,		2 90
Sleigh Shoe Steel " base		2 10
Tire Steel	2 30	2 50
Reeled Machinery		3 00
Toe Calk Steel	2 85	3 00
T. Firth & Co's tool steel, per lb	0 12½	0 13
Jessop's tool Steel		0 14
Morton's tool steel	0 12½	0 13
Black Diamond and "B.C," tool steel	0 10	0 11
Chas. Leonard's tool steel	0 08	0 09
Park's "silver" tool steel	0 12	0 14
" "special"	0 15	0 21
Drill Steel, per lb	0 08	0 10

Boiler Tubes.

1½-inch		0 12½
"		0 13
2½ "		0 15
3 "		0 16
3½ "		0 20
4 "		0 25

Steel Boiler Plate.

¼ inch	2 50	2 60
3-16 inch	2 60	2 70
⅝ inch and thicker	2 50	2 60

Black Sheets.

	Com.	D. Fl.
18 gauge	2 85	3 00
20 gauge	2 85	3 00
22 to 24 "	2 95	3 25
26 "	3 05	3 50
28 "	3 15	

Copper Ware.

Discount, 50 per cent.

Canada Plates.

All dull, 52 sheets	3 00
Half polished	3 10
All bright	3 75

Black pipe— **Iron Pipe.**

	Per 100 Feet.
⅛ inch	3 00
¼ "	2 50
⅜ "	2 75
½ "	3 00
¾ "	3 70
1 "	5 25
1¼ "	7 40
1½ "	8 90
2 "	12 40
2½ "	24 00
3 "	28 00
3½ "	36 00
4 "	43 00
4½ "	50 00
5 "	57 00
6 "	73 00

Galvanized pipe—

¼ inch	3 30
⅜ "	3 55
½ "	4 00
¾ "	5 25
1 "	7 25
1¼ "	10 10
1½ "	12 15
2 "	16 70

Discount 4 per cent

Malleable Fittings—Discount 40 p.c.

Cast Iron Fittings—

Plugs, brushings, unions, and nipples, discount 65 p.c.

All others—discount 60 p.c.

Galvanized Sheets.

	G C. Comet.	Amer.	Queen's Head.
16 gauge			
18 to 24 gauge	4 05	3 75	4 05
26 "	4 25	4 00	4 25
28 "	4 50	4 25	4 50

Less than case lots 10 to 15c. extra.

28 gauge American equals 26 gauge English.

Chain.

Proof Coil, 3-16 in., per 100 lb		
" ¼ " "	7 85	8 10
" 5-16 " "	4 95	5 25
" ⅜ " "	4 35	4 60
" 7-16 " "	4 15	4 40
" ½ " "	4 00	4 25
" 9-16 " "	3 99	4 15
" ⅝ " "	3 80	4 05
" ¾ " "	3 85	4 10

Halter kennel and post chains, 40 to 40 and 5 p.c.

Cow ties 40 p.c.

Tie-out chains 65 p.c.

Stall fixtures 35 p.c.

Trace chain 45 p.c.

Jack chain, iron, single and double discount 35 p.c.

Jack chain, brass single and double, discount 40 p.c.

Copper.

	Ingot	Per 100 lb.
English B S., ton lots		15 00
Lake Superior		

Cut lengths round, ½ to ⅞ in.	23 00	25 00
" round and square 1 to 2 inches	23 00	25 00

Sheet.

Bars.

Plain, 14 oz., and light, 16 oz., 14x48 and 14x60	22 00	22 50
Plain, 14 oz., and light, 16 oz., irregular sizes	22 50	23 00
Tinned copper sheets		24 00
Planished		32 00

Braziers (In sheets.)

4x6ft. 25 to 30 lbs. ea., per lb.	0 23
" 35 to 45 " "	0 22
" 50-lb. and above, "	0 21

Boiler and T. K. Pitts

Plain Tinned, per lb	0 28
Spun, per lb	0 32

Brass.

Rod and Sheet, 14 to 30 gauge, 15 per cent.

Sheets, hard-rolled, 2x4	0 23
Tubing, base per lb	0 23½

Zinc Spelter

Foreign, per lb	5 50	6 00
Domestic "		

Zinc Sheet.

5-cwt. casks	6 00	6 25
Part casks	6 25	6 50

Lead.

Imported Pig, per 100 lb	3 50	3 75
Bar, b		0 95
Sheets, 2½ lbs. sq. ft., by		0 06¼
Sheets, 3 to 6 lbs., "		0 06

NOTE.—Cut sheets ½ cent per lb. extra. Pipe, by the roll, usual weights per yard, lists at 7c. per lb. and 37½ p.c. dis. f.o.b. Toronto.

NOTE.—Cut lengths, net price, waste pipe 8 ft. lengths lists at 7½ cents.

Shot.

Common, $6.50 per 100 lb.; chilled, $7.00 per 100 lb.; buck, seal and ball, $7.50. Discount, 22½ p.c. Prices are f.o.b. Toronto, Hamilton, Montreal, St. John and Halifax. Terms 3 per cent. cash, freights equalized.

Soil Pipe and Fittings.

Discount, 60 p.c. on medium and extra heavy, and 55 p.c. on light soil pipe; 60 p.c. discount on light soil pipe fittings, and 60 and 10 p.c. on medium and extra heavy.

Solder.

	Per lb.	Per lb.
Bar half-and-half, guarant'd		0 19
Bar half-and-half, commer'l		0 18½
Refined		0 18
Wiping		0 17½

Antimony.

Cookson's, per lb		0 10

White Lead.

	Per 100 lb.
Pure	5 87½
No. 1	5 50
No. 2	5 12½
No. 3	4 75
No. 4	4 37½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B B. Genuine	7 00
" " No. 1	6 00

Red Lead.

Genuine, 560 lb. casks, per cwt.	$4 75
Genuine, 100 lb. kegs, per cwt.	5 00
No. 1 560 lb. casks, per cwt.	4 25
No 1, lb kegs, per cwt	4 50

White Zinc.

Extra Red Seal	0 06 0 08
No. 1	0 05½ 0 07
No. 2	0 05 0 06

Dry White Lead.

Pure, casks	5 25
Pure, kegs	5 50
No. 1, casks	5 00
No. 1, kegs	5 25

Prepared Paints

In ¼, ½ and 1 gallon tins.

Pure, per gallon	1 25
Second qualities, per gallon	1 10
Barn (in bbls.)	0 60 0 90
The Sherwin-William Paints	1 40
Canada Paint Co's Pure	1 25
Toronto Lead & Color Co's Pure	1 25
Sanderson Pearcy's Pure	1 20
Stewart & Wood's Champion Pure	1 20

Colors in Oil.

25 lb. tins, Standard Quality.

Venetian Red, per lb	0 04½ 0 06
Chrome Yellow	0 12 0 14
Golden Ochre	0 08 0 10
French "	0 06
Marine Black	0 09
Chrome Green	0 10
French Imperial Green	0 12
Sign Writers' Black	0 16
Burnt Umber	0 11
" Sienna	0 11
Raw Umber	0 11
" Sienna	0 11

Colors, Dry.

Common Ochre bbls	1 20	1 30
Yellow Ochre J.F.L.S.), bbls		2 00
Yellow Ochre (La Belle)	1 15	1 25
Brussels Ochre		2 00
Venetian Red (best). bbl	1 75	2 00
English Oxides, per cwt.	3 00	3 25
American Oxides, bbls.	1 25	2 00
Canadian Oxides, bbls.	1 25	1 75
Super Magnetic Oxides, 93p.c.	2 00	2 25
Burnt Sienna, pure, per lb.		0 10
" Umber, " "		0 10
Raw do		0 09
Drop Black, pure		0 09
Chrome Yellows, pure		0 18
Chrome Greens, pure, per lb.	0 09	0 10
Golden Ochre	0 04	0 05
Ultramarine Blue in 28-lb. boxes, per lb	0 06	0 18
Fire Proof Mineral, per 100 lb		1 00
Genuine Eng. Litharge, per lb		0 07
Mortar Color, per 100 lb	1 25	1 50
Pure Indian Red, No. 45 lb.	0 08	0 10
Whiting, bbl	0 55	0 60
English Vermillion in 30-lb. bags		0 95

Paris Green.

	per lb.
Petroleum Casks	
Arsenic Kegs	
50-lb. and 100-lb. drums	
25-lb. drums	
1-lb packages	
½-lb. do	
1-lb. tins	
½-lb do	

F. O. B. Toronto. Terms—3 p. c. off 30 days, or 4 mos. from date of delivery.

Blue Stone.

Casks, for spraying, per lb	0 07
100-lb. lots, do. per lb	0 08

Putty.

Bulk in bbls.	1 90
Bulk in less quantity	2 05
Bladders in bbls	2 25
Bladders in kegs, boxes or loose	2 40
Bladders in 25-lb. tins	2 35
Bladders in 12½-lb. tins	2 65
Bladders in bulk or tins less than 100 lb	2 90

Varnishes.

In 5-gal. lots.	Per Gal. net.
Carriage, No. 1	1 50 1 60
Pale Durable body	4 10 4 25
" rubbing	2 85 3 20
Gold Size, Japan	2 85 3 00
No 1 Brown Japan	0 85 0 90
Elastic Oak	1 50
Furniture, extra	1 25
" No. 1	1 10
Hard Oil Finish	1 65 1 75
Light Oil Finish	1 40 1 60
Demar	1 70 1 85
Shellac, white	2 3 2 45
" orange	2 25 2 35
Turgentine Brown Japan	1 75 1 0
" Black Japan	0 85 1 20
" No. 1	0 50 0 75

Elastilite Varnish 1 gal. can, each, $2 00.

Granitine Floor Finish per gal., $2.75.

Maple Leaf Coach Enamels; Size 1, $1 20 Size 2, 70c. Size 3, 40c. each

Sherwin-Williams' Copal Varnish, assorted case, from ½ pts. to 1 gal., $2 50

Castor Oil.

East India, in cases, per lb	0 09½ 0 10
" small lots	0 10 0 10½

Cod Oil, Etc.

Cod Oil per gal	0 50 0 55
Pure Olive	1 20
" Neatsfoot	90

Glue.

Common	0 08½ 0 09
French Medal	0 14 0 14½
Cabinet sheet	0 12 0 13
White, extra	0 18 0 20
Gelatine	0 22 0 30
Strip	0 18 0 20
Coopers	0 19 0 20
Huttner	0 18

JAMES HUTTON & CO.

Sole Agents in Canada for

Joseph Rodgers & Sons, Limited,
Steel, Peech & Tozer, Limited,
W. & S. Butcher,

Thomas Goldsworthy & Sons,
Burroughes & Watts, Limited,
Etc., Etc.,

Have reopened their offices in Victoria Chambers,

232 McGill Street, MONTREAL.

HARDWARE.

Ammunition.

Cartridges.

B B Caps Dom. 50 and 5 per cent.
Rim Fire Pistol, dis 40 p. c., Amer
Rim Fire Cartridges, Dom., 5 and 5 p. c
Central Fire Pistol and Rifle 10 p.c. Amer.
Central Fire Cartridges, pistol sizes Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 per cent.
Central Fire, Military and Sporting, Amer. add 5 p.c. to list. B.B. Caps, discount 40 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 10 p.c. advance on list.
Brass Shot Shells, 55 per cent.
Primers, Dom., 30 per cent.; American, $1.60.

Wads	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ¼-lb. bags	70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 3
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	

Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 20 per cent.

Anvils.

Wright's, 80-lb. and over	0 10¾
Hay Budden, 80-lb. and over	0 09¼
Brook's, " " "	0 11¼

Augers.

Gilmour's discount 65 and 5 p.c. off list.

Axes.

Chopping Axes		
Single bit, per doz	5 50	10 00
Double bit, "	11 00	18 00
Bench Axes, 40 p.c.		
Broad Axes, 25 per cent.		
Hunters' Axes	5 50	6 00
Boys' Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Axle Grease.

Ordinary, per gross	5 75	6 00
Best quality	13 00	15 00

Bath Tubs.

Zinc	6 00
Copper, discount 15 p.c. off revised list	

Baths.

Standard Enameled.

5½-inch rolled rim, 1st quality	25 00
" " " 2nd "	21 00

Anti-Friction Metal.

"Tandem" A per lb.	0 27
" B "	0 21
" C "	0 11½
Magnolia Anti-Friction Metal, per lb	0 25
Frictionless metal, per lb	0 23

SYRACUSE SMELTING WORKS.

Aluminum, genuine	0 41
Dynamo	0 27
Special	0 22
Aluminum, 99 p.c. pure "Syracuse"	0 45

Bells.

Hand

Brass, 60 per cent.
Nickel, 55 per cent.

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Door.

Gongs, Sargant's	5 50	8 00
" Peterboro', discount 45 per cent		

Farm.

American, each	1 25	3 00

House.

American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00
Blacksmiths', discount 40 per cent.		

Belting.

Extra, 60 per cent.
Standard, 60 and 10 per cent.
No. 1, not wider than 6 in., 50 10 and 10 p.c.
Agricultural, not wider than 4 in., 75 p.c.

Bits.

Auger.

Gilmour's, discount 60 and 5 per cent.
Rockford, 50 and 10 per cent.
Jennings' Gen. net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind and Bed Staples.

All sizes, per lb	0 07¾	0 12

Bolts and Nuts.

	Per cent.
Carriage Bolts, common ($1 list)	55
" " full square ($2.40 list)	55
" " Norway iron ($3 list)	50
Machine Bolts, all sizes	50 and 5
Plough Bolts	50 and 5
Blank Bolts	50 and 5
Bolt Ends	50 and 5
Sleigh Shoe Bolts	65 and 5
Coach Screws, cone point	66⅔
Nuts, square, all sizes, 3½c per lb off.	
Nuts, hexagon, all sizes, 3¾c. per lb. off.	
Stove rods, per lb.	5½ to 6c.
Nuts, in 50 lb. lots ¼c. per lb extra, in less than 50 lb. lots, ½c extra.	

Boot Calks.

Small and medium, ball, per M	4 25	
Small heel, per M	4 50	

Bright Wire Goods.

Discount 62½ per cent

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent

Henis, No. 8 "		6 00
Henis, No. 9, "		7 00
Queen City "	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Butcher Knives.

Bailey's, per doz	0 60	6 30

Building Paper, Etc.

Tarred felt, per 100 lb	1 70
Ready roofing, 2-ply, not under 45 lb. per rol	85
Ready roofing, 3-ply, not under 65 lb. per roll	1 10
Carpet felt, per ton	45 00
Dry sheathing, per roll, 400 sq ft	30
Tar sheathing, " " "	40
Dry fibre " " "	50
Tarred fibre, " " "	60
O.K. & I.X.L., " " "	65
Resin-sized, " " "	40
Oiled sheathing, " 600 "	1 10
" " " 400 "	70
Roof coating, in barrels, per gal	17
" " small packages	25
Refined tar, per barrel	4 50
Coal tar, "	4 00
Coal tar, less than barrels, per gal	15
Roofing pitch, per 100 lb	85

Bull Rings.

Copper, $2.00 for 2½ in. and $1.90 for 2 in.

Butts.

Wrought Brass net revised list.

Cast Iron.

Loose Pin, dis., 60 per cent.

Wrought Steel

Fast Joint, dis. 65, 10 and 2½ per cent.
Loose Pin, dis. 65, 10 and 2½ per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.

Gen. Bronzed, per pair	0 40	0 65

Carpet Stretchers.

American, per doz	1 00	1 50
ullard's, per doz	6 50	

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	8 50	9 50

Cement.

Canadian Portland	1 90	2 75
English "	3 00	3 15
Belgian "	2 50	2 75
Canadian hydraulic	1 25	1 50

Chalk.

Carpenters Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 70 per cent.
Warnock's, dis. 70 per cent.
P. S. & W. Extra 60, 10 and 5 p.c.

Churns.

Revolving Churns, metal frames—No. 0, $8—No. 1, $8.50—No. 2, $9.00—No. 3, $10.00—No. 4, $12.00—No. 5, $16.00 each. Ditto, wood frames—20c. each less than above.
Discounts: Delivered from factories, 56 p.c.; from stock in Montreal, 54 p.c.
Terms, 4 months or 3 p.c. cash in 30 days

Clips.

Axle dis. 65 per cent.

Closets.

	Net.
Plain York or Ontario Syphon Jet.	$9 60
Emb. York or Ontario Syphon Jet.	10 20
Fittings	1 00
Plain Elgin or Teu. Syphon Washout	6 00
Emb. Elgin or Teu. Syphon Washout	6 60
Fittings	1 25
Low Down Elgin or Teutonic, plain	9 60
" " " " emb.	10 20
Plain Richelieu	4 00
Emb. Richelieu	4 25
Connections	1 25
Low Down Ont. Sy. Jet, plain	11 70
" " " " emb'd.	12 30
Closet connection	1 25
Basins P.O., 14 in.	0 70
" oval 17 x 14 in.	1 50
" " 19 x 15 in.	2 25

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Conductor Pipe.

Plain or Corrugated.

2-inch, per 100 feet	3 00
3 " " "	4 00
4 " " "	5 25
5 " " "	6 75
6 " " "	9 00

Cradles, Grain.

Canadian, dis. 25 to 33⅓ per cent.

Crosscut Saw Handles.

S. & D., No. 3, per pair	17½
" " 5, "	22½
" 6, "	15
Boynto pattern "	20

Door Springs.

Torrey's Rod, per doz (15 p.c.	2 00
Coil, per doz	0 88 1 60
English, per doz	2 00 4 00

Draw Knives.

Coach and Wagon, dis. 50 and 10 per cent.
Carpenters, dis. 70 per cent.

Drills.

Hand and Breast

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis., 37½ to 40 per cent.
Standard dis. 50 and 5 to 55 per cent.

Faucets.

Common, cork-lined, dis. 35 per cent.

EAVE TROUGH.

10-inch, per 100 ft	$3 10

ELBOWS. (Stovepipe.)	per doz.
5 and 6-inch, common	1 20
7-inch	1 35
Polished, 15c. per doz. extra.	

ESCUTCHEONS.

Discount, 40 per cent.

ESCUTCHEON PINS.

Iron, discount 40 per cent.

FACTORY MILK CANS.

Discount off revised list, 40 per cent.

FILES AND RASPS.

Great Western	70 and 10		per cent.
Arcade	70	" 10	"
Kearney & Foot	70	" 10	"
Disston's	70	" 10	"
American	70	" 10	"
J. Barton Smith	70	" 10	"
McClellan	70	" 10	"
Eagle	70	" 10	"
Nicholson, 60 and 10 to 60, 10 and 5			"
Royal	80		"
Globe	70 to 75		"

Black Diamond, 60 and 10 to 60, 10 and 5 p.c.
Jowitt's, English list, 25 to 27½ per cent.
Nicholson File Co.'s "Simplicity" file handle per gross, 85c. to $1.50.

GLASS—Window—Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	D. Diamond Per 50 ft.	D. Diamond Per 100 ft.
Under 26	2 20	4 25	....	6 25
26 to 40	2 40	4 65	....	8 75
41 to 50	....	5 10	....	7 50
51 to 60	....	5 35	....	8 50
61 to 70	....	5 75	....	9 75
71 to 80	....	6 25	....	11 00
81 to 85	....	7 00	....	12 55
86 to 90	....	7 75	..	15 00
91 to 95	..	....	...	17 50
96 to 100	.. ..	....	....	20 50

GAUGES

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's Nos. 26 to 33, each	1 65	2 40

HALTERS.

Rope, ⅜ per gross	....	....
" ½ "	....	9 00
" ⅝ to ¾ "	....	14 00
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

	Can. dis.
Maydole's, dis. 5 to 10 per cent 25 to 27½ per cent.	

Tack.

Magnetic per doz	1 10	1 50

Sledge.

Canadian per lb	0 07½	0 08½

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz. net	1 50	2 00
Store door, per doz	1 00	1 50

Fork.

C. & B., dis. 40 per cent. rev. list.

Hoe.

C. & B., dis. 40 per cent. rev. ist.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 75

Hammer and Hatchet.

Canadian, 40 per cent.

Cross-Cut Saws.

Canadian, per pair	0 13¾

HANGERS.	doz. pairs.
Steel barn door	5 85 6 00
Stearns, 4 inch	.... 5 00
" 5 inch	.... 6 50

Lane's covered—

No. 11, 5-ft. run	....	8 40
No. 11½, 10-ft. run	....	10 80
No. 12, 10-ft. run	....	12 60
No. 14, 15-ft. run	....	21 00
Lane's O.N.T. track, per foot	....	4½

HARVEST TOOLS

Discount, 60 per cent.

HATCHETS

Canadian, dis. 40 to 42½ per cent.

STICKY TARRED PAPER.

Most of you have had more or less trouble owing to Tarred Paper sticking, and we admit we used to make some of that kind ourselves. During the last five years we have had only two complaints, and in both cases the sticky Tarred Paper complained about had neither been manufactured nor sold by us.

Our Registered Brands are: **"Red Star", "Anchor," "O.K." and "Victoria."** Don't you think you had better handle them?

THE PATERSON MFG. CO., Limited, TORONTO and MONTREAL.

HINGES.

Blind, Parker's, dis. 50 and 10 to 60 per cent.
Heavy T and strap, 4-in., per lb.... 0 06½
" " 5-in., " 0 06¼
" " 6-in., " 0 06
" " 8-in., " 0 05¾
" " 10-in., " 0 05½
Light T and strap, dis. 65 and 5 per cent.
Screw hook and hinge—
6 to 10 in., per 100 lbs.... .... 4 50
12 in. up, per 100 lbs..... .... 3 25
Per gro. pairs
Spring..... .... 12 00

HOES.

Garden, Mortar, etc., dis. 60 p.c.
Planter, per doz..... 4 00 4 50

HOLLOW WARE

Discount,..... 45 and 5 per cent.

HOOKS.

Cast Iron.

Bird Cage, per doz.....	0 50	1 10
Clothes Line, per doz.....	0 27	0 63
Harness, per doz.....	0 72	0 88
Hat and Coat, per gross.....	1 00	3 00
Chandelier, per doz.....	0 50	1 00

Wrought Iron.
Wrought Hooks and Staples, Can. dis. 47½ per cent.
Wire.
Hat and Coat, discount 45 per cent.
Belt, per 1,000 ..... 0 60
Screw, bright, dis. 55 per cent.

HORSE NAILS.

"C" brand 50 and 7½ p.c. off new list } Oval-
"M" brand 50, 10 and 5 per cent. } head
Countersunk, 60 per cent.

HORSESHOES.

Iron Shoes.	F.O.B. Montreal No. 2 and larger.	No. 1. and smaller.
Light, medium and heavy...	3 50	3 75
Snow shoes.....	3 75	4 00
Steel Shoes.		
Light.....	3 60	3 85
Featherweight (all sizes).....	4 85	4 85

F.O.B. Toronto, Hamilton, London and Guelph, 10c. per keg additional.
Toe weight steel shoes..... 6 70

JAPANNED WARE.

Discount, 45 and 5 p.c. off list, June 1899.

ICE PICKS.

Star per doz..... 3 00 3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.
Copper, per lb..... 0 30 0 50
American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 45 p.c.
Cabinet, trunk, and padlock, Am. per gross 60

KNOBS.

Door, japanned and N.P., per doz..... .... 1 50 2 00
Bronze, Berlin, per doz..... 2 75 3 25
Bronze Genuine, per doz.... 6 00 9 00
Shutter, porcelain, F. & L screw, per gross 1 30 4 00
White door knobs—per doz. 95 1 00

HAY KNIVES.

Discount, 50 and 10 per cent.

LAMP WICKS.

Discount, 60 per cent.

LANTERNS.

Cold Blast, per doz..... 7 00
No. 3 "Wright's" 8 50
Ordinary, with O burner..... 4 00
Dashboard, cold blast..... 9 00
No. 0..... 5 75
Japanning, 50c. per doz. extra

LEMON SQUEEZERS.

Porcelain lined, ...per doz.	2 20	5 60
Galvanized	1 87	3 85
King, wood.....	2 75	2 90
King, glass.....	4 00	4 50
All glass.....	1 20	1 30

LINES.

Fish per gross.....	1 05	2 50
Chalk "	1 90	7 40

LOCKS.

Canadian, dis 40 p.c.
Russel & Erwin per doz.... 3 00 3 25
Cabinet.
Eagle, dis. 30 p.c.

Padlocks.

English and Am. per doz.... 50 6 00
Scandinavian, " 1 00 2 40
Eagle, dis. 20 to 25 p.c.

MACHINE SCREWS. Iron and Brass.

Flat head discount 25 p.c.
Round Head discount 20 p.c.

MALLETS.

Tinsmiths' per doz.....	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz..	3 85	5 00
Caulking each.....	60	2 00

MATTOCKS.

Canadian, per doz..... 5 50 6 50

MEAT CUTTERS.

American, dis. 25 to 30 p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are:	Cut.	Wire.
2 d and 3d	$3 35	$3 55
3 d	3 00	3 22
4 and 5d.....	2 75	3 05
6 and 7d.....	2 65	2 90
8 and 9d.....	2 50	2 70
10 and 12d.....	2 45	2 65
16 and 20d.....	2 40	2 60
30, 40, 50 and 60d. (base).....	2 35	2 55

Wire nails in carlots are $2.50
Galvanizing 2c. per lb. net extra.
Steel Cut Nails 10c. extra.
Miscellaneous wire nails, dis. 75 p.c.
Coopers' nails, dis. 30 per cent.
Flour barrel nails, dis. 25 per cent

NAIL PULLERS.

German and American..... 1 85 3 50

NAIL SETS.

S uare round, and octagon per gross..... 3 38 4 0
Diamond..... 12 00 15 0

POULTRY NETTING.

2-in. Mesh, 19 w.g., dis. 60 p.c.
2-in. Mesh, 18 w.g. and heav er, 50 and 10 p.c.

OAKUM. Per 100 lb

Navy 6 00
U.S. Navy..... 7 25

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal. per doz..... .... 10 00
Zinc and tin, dis. 50, 50 and 10.
Copper, per doz..... 1 25 3 50
Brass, " 1 50 3 50
Malleable, dis. 25 per cent.

GALVANIZED PAILS.

Dufferin pattern pails, dis. 45 p.c.
Flaring pattern, discount 45 per cent.
Galvanized washtubs discount 45 per cent.

PIECED WARE.

Discount 40 per cent. off list, June, 1899.
10-qt. flaring sap buckets, dis. 40 p.c.
6, 10 and 14-qt. flaring pails, dis. 40 p.c.
Creamer cans, dis. 40 p.c.

PICKS.

Per doz..... 6 00 9 00

PICTURE NAILS.

Porcelain head, per gross... 1 75 3 00
Brass head " 0 40 1 00

PICTURE WIRE.

Tin and gilt, discount 75 p.c.

PINE TAR.

½ pint in tins, per gross. 7 80
1 " " 9 60

PLANES.

Wood, bench, Canadian dis. 40 per cent. American dis. 50.
Wood, fancy Canadian or American 7½ to 40 per cent.

PLANE IRONS.

English, per doz..... 2 00 5 00

PLIERS AND NIPPERS.

Button's Genuine per doz pairs, dis. 37½ 40 p.c.
Button's Imitation, per doz.. 5 00 9 00
German, per doz..... 0 60 2 60

PLUMBERS' BRASS GOODS.

Standard Compression work, dis. 60 p.c.
"J.M.T." Cushion work, dis. 50 p.c.
Fuller work, dis. 65 p.c.
6 doz. lots and over of the above, extra dis. 10 p.c.
Lever Handle Stops and Waste, discount 60 p.c. With, in lots of 2 doz. and over, an extra dis. of 10 p.c.
"J.M.T." Globe, Angle and Check Valves, dis 55 p.c.
Standard Globe, Angle and Check Valves, dis. 65 p.c.
"J.M.T." Radiator Valves, dis. 55 p.c.
Standard " " dis., 65 p.c.
Patent Quick Opening Valves, dis. 70 p.c.
No. 1 compression bath cock, net .. 2 00
No. 4 " " " 2 00
No. 7, Fuller's 2 20
No. 4½, " 2 35
Patent Compression Cushion, basin cock, hot and cold, per doz 15 00
Patent Compression Cushion, bath cock. No. 2208 ..... 2 25
Square head brass cocks, 60 p.c.
" " iron 60 p.c.
Competition Globe, Angle and Check Valves discount, 70 p.c.
Competition Quick Opening Radiator Valves, discount, 70 p.c.

PRESSED SPIKES.

Discount 25 per cent.

PULLEYS.

Hothouse, per doz.....	0 55	1 00
Axle.....	0 22	0 33
Screw.....	0 27	1 00
Awning.....	0 35	2 50

PUMPS.

Canadian cistern.....	1 80	3 60
Canadian pitcher spout.....	1 40	2 10

PUNCHES.

Saddlers', per doz.....	1 00	1
Conductors'	9 00	15 00
Tinners', solid, per set.....	0 00	0 72
" hollow per inch.....	0 00	1 00

RANGE BOILERS.

	Net.
Dominion, 30 gal.	5 75
Dominion, 35 "	6 75
" 40 "	7 75
Ronald's Galvanized, 30 gallons	6 50
" " 35 "	7 50
" " 40 "	8 50
Copper, 30 gallons.....	20 00
" 35 "	23 20
" 40 "	26 40

RAKES.

Wood, per doz. net 110

RAZORS.

	per doz.
Elliot's	4 00 18 00
Geo. Butler & Co.'s.....	4 00 18 00
Boker's.....	7 50 11 00
" King Cutter.....	12 50 50 00
Wade & Butcher's	3 60 10 00
Theile & Quack's.....	7 00 12 00
Bailey's	6 00 12 00
Carbo Magnetic Razor	15 00
Griffon Barbers' Favorite	10 75
Griffon No. 65.....	13 50
Griffon Safety Razors.....	13 50
" Stropping Machines.	13 50

All other razors 50 p.c. off catalogue price.

REGISTERS.

Discount ..... 40 per cent

RIVETS AND BURRS.

Iron Rivets, black and tinned, discount 60 and 10 per cent.
Iron Burrs, discount 55 per cent.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets with usual proportion burrs, 45 and 10 dis., cartons, 1c. per lb. extra, net.
Copper Burrs only, 30 and 0 p.c.
Extras on Tinned or Coppered Rivets, ½-lb. cartons, 1c. per lb.

RIVET SETS.

Canadian, dis. 35 to 37½ per cent.

ROPE, ETC.

Sisal	13
Pure Manilla.....	16
"British" Manilla	14½
Cotton, 3-16 inch and larger.....	16
" 5-32 inch.....	21
" ⅛ inch	22
Russia Deep Sea.	15
Jute.....	8
Lath Yarn	12
Sisal bed cord, 48 ft..... per doz.	65
" " 60 ft..... "	80
" " 72 ft..... "	95

RULES.

Boxwood, dis. 55 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS. per set.

Mrs. Potts, No. 55, polished. 65
" No. 50, nickle-plated. 75

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ pe cent.
B & A. sand, 40 and 5 per cent.
Emery, 40 per cent.
Garnet (Rurton's), 5 to 10 p.c. advance on list.

SAP SPOUTS.

Bronzed iron with hooks, per doz. 9 50

SAWS.

Hand Disston's, dis. 12½ p.c.
S. & D., 40 per cent.
Crosscut, Disston's, per ft.. 0 35 0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.
Hack, complete, each 0 75 2 75
" frame only 0 75

SASH WEIGHTS.

Sectional, per 100 lbs..... 2 25 2 50
Solid, " 1 75 2 00

SASH CORD.

Per lb..... 0 23 0 30

SAW SETS.

Lincoln and Whiting, per doz. 4 75
Hand Sets, No. 1 Woodyatt (Morrill) 4 25
X-cut Sets, No. 3 Woodyatt (Morrill) 9 50

SCALES.

Fairbanks Standard, 35 p.c.
" Dominion, 55 p.c.
" Richelieu, 55 p.c.
Warren's new Standard 45 p.c.
" " Champion 55 p.c.
Burrow, Stewart & Milne—
Imperial Standard, 45 per cent.
Weigh Beams, 35 per cent.
Champion Scales, 55 per cent.

SCREW DRIVERS.

Sargent's per doz..... 0 65 1 00

SCREWS.

Wood, F.H., bright and steel, 87½ and 10 p.c.
Wood R. H., " dis. 82½ and 10 p.c.
" F. H., brass dis. 80 and 10 p.c.
Wood, R. H., " dis. 75 and 10 p.c.
" F.H., bronze, dis. 75 p.c.
" R.H. " 70 p.c.
Drive Screws, 87½ and 10 per cent.
Bench, wood, per doz. 3 25 4 00
" iron, " 4 25 5 00
Set, Case hardened, 60 per cent.
Square Cap, 50 and 5 per cent.
Hexagon Cap, 45 per cent.

SCYTHES.

Per doz., net..... 5 00 8 00

SCYTHE SNATHS.

Canadian, dis. 45 p.c.

SHEARS.

Bailey Cutlery Co., full nickeled, dis. 60 and 2½ p.c.
Bailey Cutlery Japan handles, 67½ p.c.
Seymour's, dis. 50 and 10 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SINKS.

Steel and galvanized, discount 45 per cent

SNAPS.

Harness, German, dis. 25 p.c.
Lock, Andrews'..... 4 50 11 50

SOLDERING IRONS.

1, 1½ lb., per lb.....		0 37
2 lb. or over, per lb.....		0 34

SQUARES.

Iron, No. 493, per doz.....	2 40	2 55
" Mo. 494, "	3 25	3 40

Steel, dis. 60. 10 and 5 p.c.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.

Plain, dis., 75 and 12½ p.c. off revised list.
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized.....	3 25	3 50
Plain.....	2 90	3 15

Coopers', discount 45 per cent.
Poultry netting staples, 40 per cent.

STANDARD CHAIN CO., PITTSBURGH, U. S. A.

MANUFACTURERS OF **CHAIN** OF ALL KINDS.

Proof Coil, B.B., B.B.B., Crane, Dredge Chain, Trace Chains, Cow Ties, etc.

ALEXANDER GIBB, Montreal. —Canadian Representatives— **A. C. LESLIE & CO., Montreal.**

For Provinces of Ontario and Quebec. **For other Provinces.**

STOCKS AND DIES.

American dis. 25 p.c.

STONE.	Per lb.	
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip,	0 09	0 09
Labrador	....	0 13
" Axe	....	0 15
Turkey	....	0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, 2 in, 40 to 200 lb, per ton	....	25 00
" under 40 lb. "	....	28 00
Grind. under 2 in. thick "	....	29 00

STOVE PIPES.

5 and 6 inch Per 100 lengths	....	7 00
7 inch " "	....	7 50

ENAMELINE STOVE POLISH.

No. 4—3 dozen in case, net cash	$4 8
No. 6—3 dozen in case, "	8 40

TACKS, BRADS, ETC.

Cheese-box tacks, blued	80 & 12½
Trunk tacks, black and tinned	85
Carpet tacks, blued	80 & 15
" " tinned	80 & 20
" " (in kegs)	40
Cut tacks, blued, in dozens only	80
" ¼ weights	60
Swedes cut tacks, blued and tinned—	
In bulk	80 & 10
In dozens	75
Swedes, upholsterers', bulk	85, 12½ & 12½
" brush, blued & tinned, bulk	70
" gimp, blued, tinned and japanned	75 & 12½
Zinc tacks	35
Leather carpet tacks	55
Copper tacks	50
Copper nails	52½
Trunk nails, black	65 and 5
Trunk nails, tinned	65 and 10
Clout nails, blued	65 and 5
Chair nails	35
Patent brads	40
Fine finishing	40
Lining tacks, in papers	10
Lining tacks, in bulk	15
" " solid heads, in bulk	75
Saddle nails in papers	10
" " in bulk	15
Tufting buttons, 22 line, in dozens only	60
Tin capped trunk nails	25
Zinc glazier's points	5
Double pointed tacks, papers	90 and 10
" " " bulk	40

TAPE LINES.

English, ass skin, per doz.	2 75	5 00
English, Patent Leather	5 50	9 75
Chesterman's each	0 90	2 85
" steel, each	0 80	8 00

TINNERS' SNIPS.

Bailey's, dis. 25 p.c.

THERMOMETERS.

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TRAPS. (Steel.)

Game, Newhouse, dis. 25 p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's discount 10 per cent.
German, per doz. 4 75 6 00
S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb	....	0 27
Wrapping, cotton, 3-ply		0 18½
" 4-ply	....	0 23½
Mattress, per lb	0 33	0 45
Staging, "	0 27	0 35

VISES.

Wright's	....	0 13½
Brook's	....	0 12¾
Pipe Vise, Hinge, No. 1	....	3 50
" " " No 2	....	5 50
Saw Vise	4 50	9 00

ENAMELLED WARE.

White, Princess, Turquoise, Blue and White, discount 50 per cent.
Diamond, Famous, Premier, 50 and 10 p.c.
Granite or Pearl, Imperial, Crescent, 50, 10 and 10 per cent.

WIRE.

SMOOTH STEEL WIRE.

No. 0-9 gauge		$2 60
10 "		6c. extra.
11 "		12c. "
12 "		20c. "
13 "		30c. "
14 "		40c. "
15 "		55c. "
16 "		70c. "

Add 60c. for coppering and $2 for tinning.

Extras net per 100 lb. — Oiled wire 10c., spring wire $1.25, special hay baling wire 30c., best steel wire 75c., bright soft drawn 15c., charcoal (extra quality) $1.25, packed in casks or cases 15c., bagging and papering 10c., 50 and 100-lb. bundles 10c., in 25-lb. bundles 15c., in 5 and 10-lb. bundles 25c., in 1-lb. hanks 50c., in ½-lb. hanks 75c., in ¼-lb. hanks $1.

Fine Steel Wire, dis. 22½ per cent List of extras : In 100-lb. lots : No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, 7.65—No. 24, $8—No. 25, $9—No. 26 $9.50—No. 27, $10—No. 28, $11 No. 29. $12—No. 30, $13—No. 31, $14—No. 32 $15, No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31 $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles, 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Galvanized Wire, per 100 lb.—Nos. 6,7,8, $3.50 to $3.85—No. 9, $2.85 to $3.15—No. 10, $3.60 to $3.95—No. 11, $3.70 to $4.10—No. 12, $3 to $3.30—No. 13, $3.10 to $3.40—No. 14, $4.10 to $4.50—No. 15, $4.60 to $5.05—No. 16, $4.85 to $5.35. Base sizes, Nos. 6 to 9 $2.52½ f.o.b. Cleveland.
Clothes Line Wire, regular 7 strand. No. 17, $4.65; No. 18, $2.90; No. 19, $2.60. Hollow 6 strand, No. 17, $4.30; No. 18, $2.70, No. 19, $2.35; No 20, $2.30, f.o.b. Hamilton, Toronto Montreal.

WIRE FENCING.

Galvanized barb	....	3 00
Galvanized, plain twist	....	3 00

Galvanized barb, f.o.b. Cleveland, $2.77½ in less than carlots, and $2.65 in carlots

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net.. 1 37½
Terms, 3 per cent. off 30 days.

WASTE COTTON.

	per lb.
Colored	6
White	8

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 60 p.c.
Coe's Genuine, dis. 20 to 25 p.c.

Towers' Engineer, each	2 00	7 00
" S., per doz.	5 80	6 00
G. & K.'s Pipe, per doz.	....	3 40
Burrell's Pipe, each	....	3 00
Pocket, per doz.	0 25	2 90

WRINGERS.

Leader per doz.	$30 00	33 00
Royal Canadian.. "	...	24 00
Royal American., "	....	24 00
Sampson "	....	24 00

Terms 4 months, or 3 p.c. 30 days.

WROUGHT IRON WASHERS.

Canadian make, discount, 40 per cent.

ADVERTISING in WESTERN CANADA

will be Carefully Efficiently, and Promptly attended to, by

The Roberts Advertising Agency,

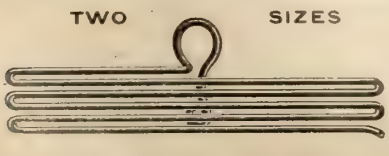
WINNIPEG CANADA.

Standard Paint & Varnish Works Limited
Makers of High Grade Varnishes, Japans, Paints, Colors & Enamels
Tilsonburg, Ont.

"PULLMAN"

TROUSER or SKIRT HANGERS

TWO SIZES

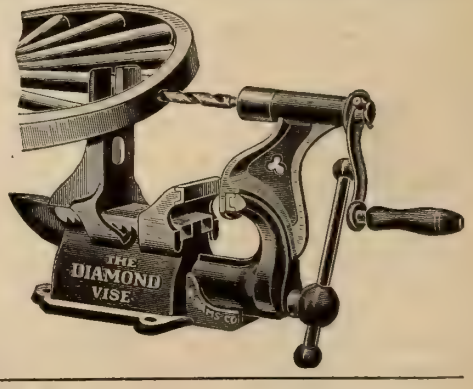


PULLMAN SASH BALANCE CO.,
ROCHESTER, N.Y., U.S.A.

DIAMOND VISE AND DRILLING ATTACHMENT

U. S. Patent Jan. 15, '95. Canadian Patent July 22, '95.



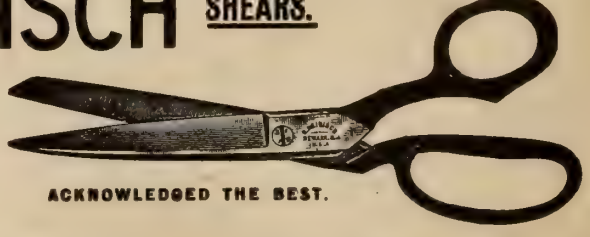


JAWS are faced with steel ⅞ inch wide, 4 inches long, firmly fastened to jaw, checked and hardened.
VISE weighs 38 pounds. DRILL weighs 13 pounds.
For Sale by Jobbers of Hardware.

Made by—
The Adams Company, Dubuque, Iowa, U.S.A.
Made by **A. R. Woodyatt & Co.,** Guelph, Ont.

CELEBRATED HEINISCH SHEARS.

Tailors' Shears,
Trimmers, Scissors,
Tinners' Snips, etc.



ACKNOWLEDGED THE BEST.

R. HEINISCH'S SONS CO.

NEW YORK OFFICE, 90 Chambers St.
NEWARK, N.J., U.S.A.

Not connected with any Shear Combination.



Ontario Nut Works, Paris

BROWN & CO.

Manufacturers of

All sizes of Hot Pressed Nuts, Square and Hexagon.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker,

13 St. John Street, Montreal

Representing British and American Manufacturers. Correspondence invited from firms wishing to be represented in Canada.

"THE EMLYN" SAW BENCH

Made in 6 sizes. Best value obtainable. Specially designed for export With or without "Emlyn" Patent Guard. Sole maker—

CHARLES D. PHILLIPS,

Cables—"Machinery," Newport. Emlyn Engineering Works, NEWPORT, MON., ENGLAND.

ONTARIO SILVER CO.,

Limited,

NIAGARA FALLS, CANADA.

Manufacturers of **FLATWARE, CUTLERY and ELECTRO PLATE. . . .**

Ask for our Catalogue and Quotations.

Removal Notice.

The Batty Stove & Hardware Co.

Successors to

The Toronto Branch of THE COPP BROS. CO, Limited.

Have removed their Offices and Warerooms to **76 YORK ST.** (south of King), where they will continue in the wholesale trade only, handling

STOVES AND RANGES
STOVE REPAIRS, ETC.
MANTELS, GRATES AND TILES
HOT-AIR REGISTERS A SPECIALTY

New Address—76 York Street.

HAND-FORGED **BUTCHER KNIVES** HAND-GROUND

Made from Best English Double Shear Steel



Fully Warranted

STANDARD SHAPES AND HIGHLY POLISHED

Also

Steel-Laid Shears and Scissors and Hand-Forged Razors

Made by

BAILEY CUTLERY CO., LIMITED

Write for Catalogue. **BRANTFORD, CANADA.**

CHAS. F. CLARK, President. **JARED CHITTENDEN, Treasurer.**

...ESTABLISHED 1849...

BRADSTREET'S

Capital and Surplus, $1,500,000. **Offices Throughout the Civilized World.**

Executive Offices: Nos. 346 and 348 Broadway, New York City, U.S.A.

THE BRADSTREET COMPANY gathers information that reflects the financial condition and the controlling circumstances of every seeker of mercantile credit. Its business may be defined as of the merchants, by the merchants, for the merchants. In procuring, verifying and promulgating information, no effort is spared, and no reasonable expense considered too great, that the results may justify its claim as an authority on all matters affecting commercial affairs and mercantile credit. Its offices and connections have been steadily extended, and it furnishes information concerning mercantile persons throughout the civilized world.

Subscriptions are based on the service furnished, and are available only by reputable wholesale, jobbing and manufacturing concerns, and by responsible and worthy financial, fiduciary and business corporations. Specific terms may be obtained by addressing the Company at any of its offices. **Correspondence Invited.**

——OFFICES IN CANADA——

HALIFAX, N.S.	HAMILTON, ONT.	LONDON, ONT.	MONTREAL, QUE.
OTTAWA, ONT.	QUEBEC, QUE.	ST. JOHN, N.B.	TORONTO, ONT.
VANCOUVER, B.C.	VICTORIA, B.C.	WINNIPEG, MAN.	

THOS. C. IRVING, Gen. Man. Western Canada, Toronto. JOHN A. FULTON, Gen. Man. Eastern Canada, Montreal.



Canadian Representative: **ALEXANDER GIBB, 13 St. John St., MONTREAL.**

75 YEARS. *ESTABLISHED 1825.* *75 YEARS.*

BEAMS CHANNELS ANGLES PLATES

1,500 TONS FOR SALE

All of this material in lengths from 40 to 60 feet.
We can ship promptly, and should be pleased to receive your order.
Prices and stock lists on application.

STEEL FRAME BUILDINGS and ROOF TRUSSES.

Also Steel Bridges for Railways and Highways.

THE HAMILTON BRIDGE WORKS COMPANY LIMITED

Long Distance Telephone, Hamilton 630. **HAMILTON, CANADA.**



Est. 1868 Inc. 1895

Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve Medals



Awarded
By **JURORS** at
International Expositions
Special Prize
Gold Medal at Atlanta, 1895



RUBBER HOSE

FOR

Water	Air	Suction
Steam	Acids	Fire Protection
Gas	Brewers	Pneumatic Tools

SUPERIOR IN QUALITY.
SATISFACTORY IN SERVICE.

When you want anything made of rubber, write to us.

THE GUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

Head Office and Warerooms—
45-47-49 West Front St.

TORONTO,

Factories—115-165 West Lodge Ave.
124-148 O'Hara Ave.

CANADA.

We can quote lowest prices for the following goods in quantities, viz.:

BLACK STEEL SHEETS.
POLISHED STEEL SHEETS.
RANGE STEEL.
GALVANIZED SHEETS.
CANADA PLATES.
SHEET COPPER.
SHEET ZINC.
TIN PLATES—Coke and Charcoal.
WINDOW GLASS
PLATE GLASS.
WHITE LEAD.
RED LEAD.

Send us your enquiries when next in the market.

B. & S. H. THOMPSON & CO.

53 St. Sulpice Street,

MONTREAL.

VARNISHES AND JAPANS

McCASKILL, DOUGALL & CO.

Manufacturers MONTREAL



Standard Railway and Carriage Varnishes
Standard Boat and Spar Varnishes
—Wont turn white from the effects of water and sun.
Standard Piano, Furniture and Decorative Varnishes
Zanzerine Transparent Wood Finishes and Varnishes
Architectural Varnishes

OFFICES:

161 Summer St., BOSTON, Mass., U.S.A.
30 St. John St., MONTREAL.

worth by using
LANGWELL'S BABBIT
MONTREAL.

CANADIAN
HARDWARE
AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XIV. MONTREAL AND TORONTO, MAY 3, 1902 NO. 18.

POCKET KNIVES
H. BOKER & COS
IMPROVED
TREE BRAND
TRADE MARK
RAZORS CUTLERY SCISSORS
FOR SALE BY LEADING WHOLESALE HARDWARE HOUSES.

If any other brand will do in place of "QUEEN'S HEAD," buy . . . . .

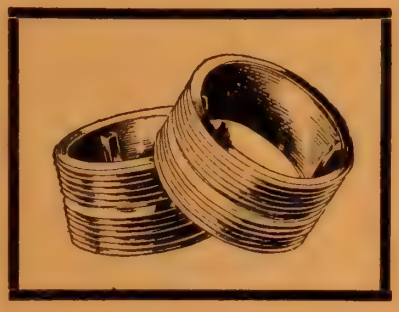
"Fleur de Lis"

FLEUR DE LIS.

NOT a second quality, but "QUEEN'S HEAD" quality with ordinary galvanizing. Rapidly coming to the front for work where a heavy coating is not needed.

JOHN LYSAGHT, Limited, Makers, BRISTOL, ENG.
A. C. LESLIE & CO., MONTREAL, Managers Canadian Branch.

"That Made the Hit"



This is a drawing of the Patent Connection that made the "SAFFORD" famous the world over; that revolutionized radiator building; that made it possible to put a radiator together without bolts, red lead, rods or packing.

The "SAFFORD" is the only radiator on the market for hot-water and steam heating. It means satisfaction every time—is easy to handle for the contractor.

If you have not our Catalogue, write to us.

THE DOMINION RADIATOR CO., Limited

Head Office and Works: DUFFERIN ST. TORONTO, CAN.

BICYCLE SUNDRIES

We have purchased several

Bankrupt Stocks and offer **Special Prices**

while they last on

TIRES, INNER TUBES, Etc.

RICE LEWIS & SON

LIMITED

Write for Catalogue.

TORONTO.

BRASS COPPER

ROD,
SHEET,
TUBING.

BAR,
INGOT,
SHEET,
TUBING.

M. & L. SAMUEL, BENJAMIN & CO.

27 Wellington St. West,

TORONTO, ONT.

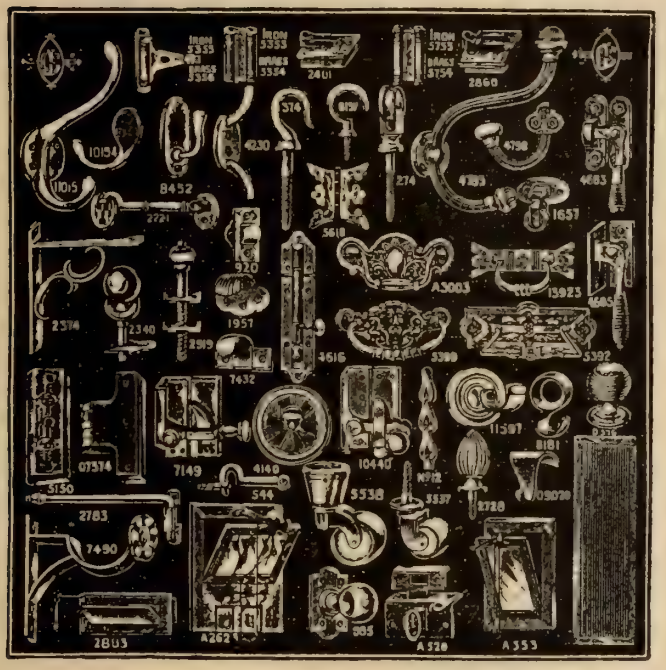
English House: SAMUEL, SONS & BENJAMIN, 164 Fenchurch St., LONDON, E.C.

James Cartland & Son

Manufacturers of every description of **Limited**

CABINET, BUILDERS', FURNISHING AND NAVAL BRASSFOUNDRY

BIRMINGHAM, ENGLAND.

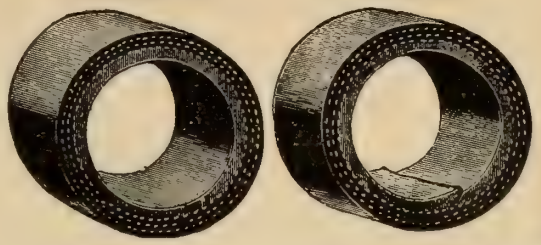


London Showrooms: 57 Holborn Viaduct, E.C.

GARDEN HOSE

Seamless Tube.

SEAMLESS TUBE LAPPED TUBE



All brands of our **GARDEN HOSE** are made with our

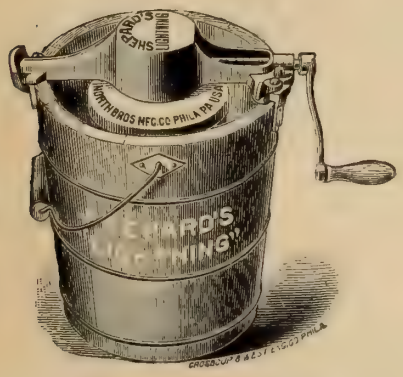
Patent Seamless Tube

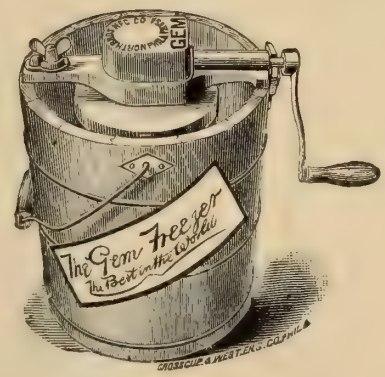
WRITE FOR DISCOUNTS.

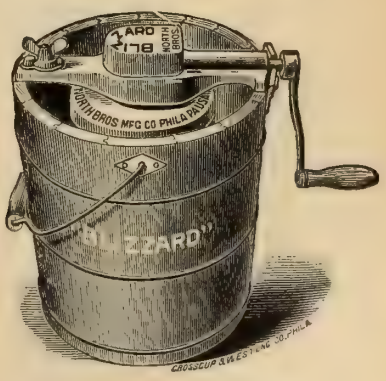
The Canadian Rubber Co.

MONTREAL TORONTO WINNIPEG

Lightning, Gem Blizzard . . . FREEZERS



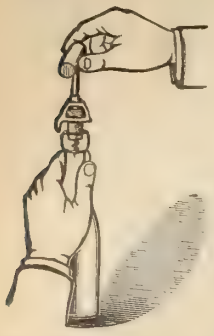


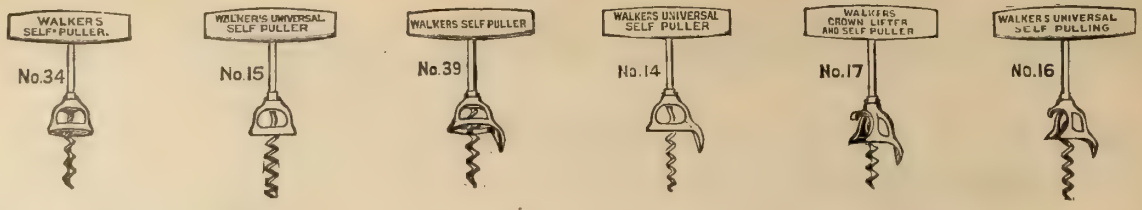


ARE	HAVE	EXCEL IN
Well Advertised.	Cedar Pails with Electric Welded Wire Hoops.	Easy Running.
In Demand.	Cans of Heavy Tin with Drawn Steel Bottoms.	Quick Freezing.
Easily Sold.	AUTOMATIC Twin Scrapers.	Economy.
Satisfactory in Use.	"The Ice Cream Freezer Book" tells all about these and our other Freezers, mailed free.	Convenience.
Of Known Reputation.		Practical Results.

North Bros. Mfg. Co., Philadelphia, Pa., U.S.A.

See! You Don't Have to Pull. A Child Can Do It.



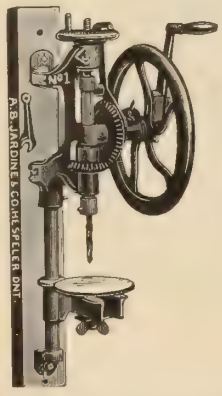


Walker's Self-Pulling Cork Screws

Made of Crucible Steel, Nickel Plated, Polished Apple Wood Handles.

EVERY ONE TESTED AND GUARANTEED. Several imitations on the market, but none as good.

Mfrd. only by ERIE SPECIALTY CO., Erie, Pa., U.S.A.



TRADE MARK J REGISTERED.

Blacksmiths' Hand Drills.

The very best.

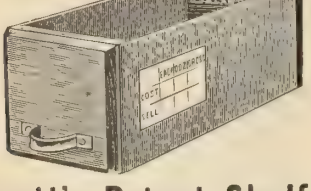
A. B. JARDINE & CO.
HESPELER, ONT.

THREE OF A KIND.

Andover, N.B., March 17th—"I am much pleased with the last lot of boxes sent me."—M. S. Sulton.

Granby, P.Q., March 31st—"Your shelf boxes are all right."—Nelson, Mitchell & Co.

Elkhorn, Man., April 18th—"Boxes fit O.K. and are perfectly satisfactory. I would not be without them, and think it is money well invested."—G. Silvester.



Bennett's Patent Shelf Box
always makes satisfied customers.
Write for prices to **J. S. BENNETT, TORONTO**

Stove Bricks in Variety.

We don't have to make a kiln and then burn it before filling your order. Prompt shipment is one of our mottoes. We have over 200 varieties of bricks, and all kinds of fire clay products, furnace cement, etc., always in stock. Catalogue upon application.

JONES BROS., Bracondale, P.O., Ont.

Lace Leather

Send direct to us for the celebrated "NIAGARA" Brand Lace Leather, best produced in this country. Yellow and White in Sides or Cut Strings. Prices and Samples on application.

WOOD BROS.
Tanners of High-Class Leathers,
ST. CATHARINES, ONT.

THE LONDON SCALE WORKS

GEORGE M. FOX
(Successor to John Fox.)

Manufacturer of Railroad, Hay and Platform Scales.

91 York Street, LONDON, ONT.

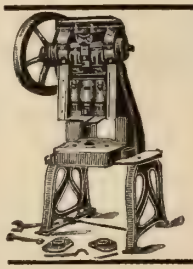
SEED CORN

FIELD VARIETIES ONLY.

ALSO WHITE BEANS

IN CARLOTS AND LESS.

Write FRED. B. STEVENS & CO., Chatham, Ont.



G. A. Crosby & Co. of Ontario, LIMITED

SARNIA, ONT.

Manufacturers of

Patent Automatic Can Making Machinery, Presses, Dies and Special Machinery for Working Sheet Metal.

IT IS IMPOSSIBLE TO GET WIRE

as promptly as desired from the Mills, which, we understand, are now about thirty days behind in filling orders. We prepared for this contingency and can promise shipment within twenty-four hours after receipt of order for any standard size **COILED SPRING WIRE.**

The Frost Wire Fence Company, Limited

WELLAND, ONT.

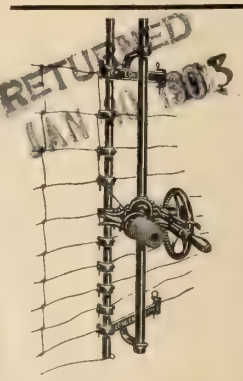
STANYON ENGINEERING CO.

402 McKINNON BUILDING,
Phone Main 2177. TORONTO

CONTRACTING AND CONSULTING ENGINEERS.

Steel Works, all kinds of Rolling Mills, Wire Mills, etc., all built complete. Machinery designed for any purpose

GENERAL OFFICES, · · · PITTSBURG, Pa.



Now is the time to secure the agency for the

LONDON FENCE MACHINES

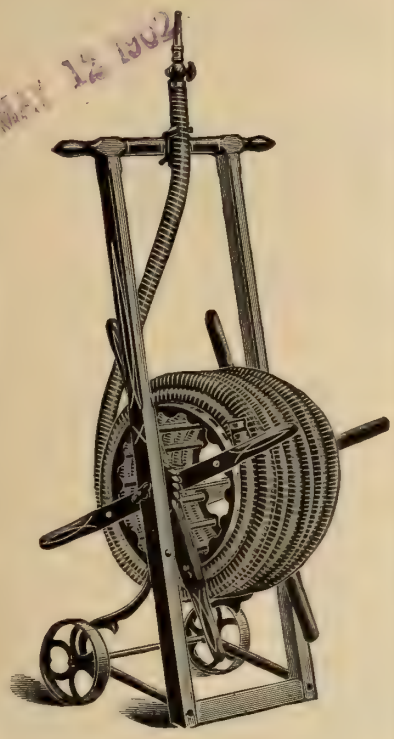
We have a number of dealers who are making the LONDON their leader for the Spring. Nothing wins the farmer's favor like the LONDON. If you push it, it will make you money and draw custom. It's a hustler and a dandy. Get our Spring Catalogue and this year's prices. The LONDON leads the world for building fence.

THE LONDON FENCE MACHINE CO., Limited.
LONDON, CANADA.

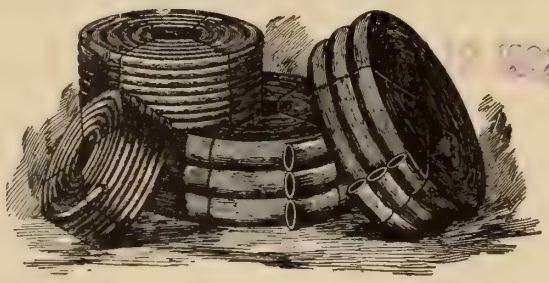
Keep up your stock of

LAWN AND GARDEN GOODS

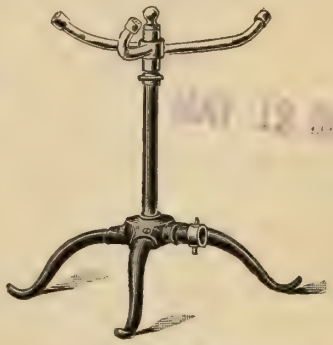
Our prices will help you do it.



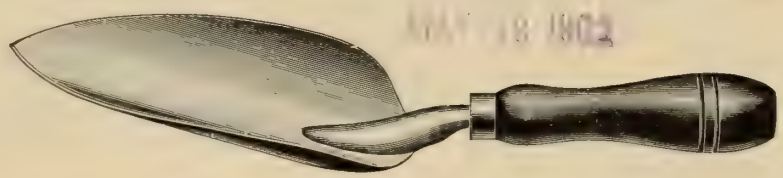
Columbia Hose Reel.



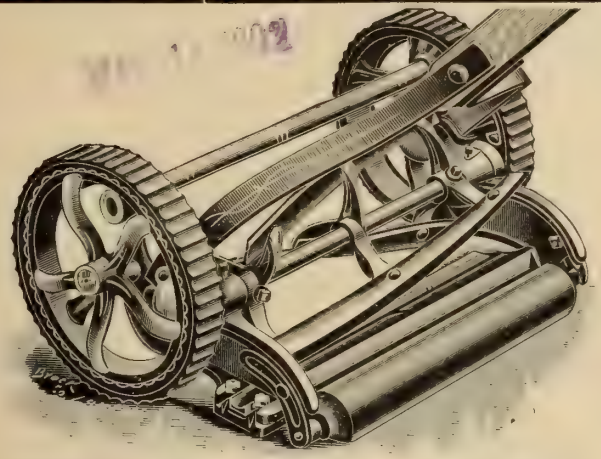
Rubber and Cotton Garden Hose, all grades.



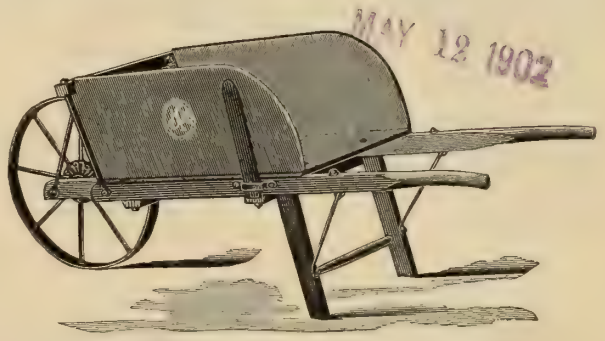
Columbia Lawn Sprinklers.



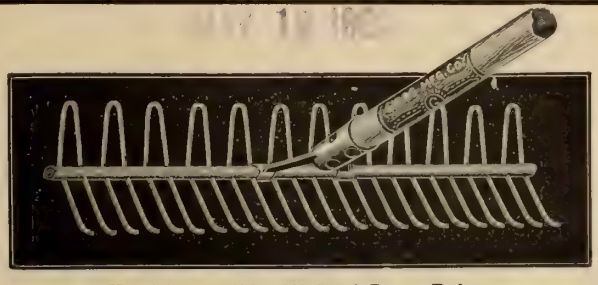
Garden Trowels, in different sizes and finishes.



Maxwell Lawn Mowers, low wheel, 12, 14 and 16 in. cut. High wheel, 12, 14, 16, 18 and 20 in. cut.



Garden Barrow, strong and well finished.



No. 1 Reversible All-Steel Lawn Rake.

Plant Sprayers, Spray Pumps, Hose Menders, Hose Nozzles, Hose Clamps, Hose Couplings, Grass Hooks, Garden Shears, Weeding Hooks, Tree Pruners, Ladies' Floral Sets, etc., etc.

YOURS FOR ORDERS.
THE PROMPT FORWARDERS.

LEWIS BROS. & CO.

TORONTO—87 YORK ST.
OTTAWA—54 QUEEN ST.

MONTREAL.

HENRY ROGERS, SONS & CO.,

SHEFFIELD, ENGLAND

Manufacturers of the celebrated



H R S & C°

IMITATION RUSSIA IRON.
CANADA PLATES, "H. R. S. & CO."
TINPLATES, "ROGERS'" COKES.
"H. R. S. & CO." CHARCOALS
PLAIN GAL'D WIRE.

Canadian Office:

6 ST. SACRAMENT ST., MONTREAL

F. A. YORK, Manager.

ROBLIN'S PATENT MILKING PAILS.



Latest and Best.

These pails are made of IX old method Tin, with patent locking attachment on covers so milk cannot spill, also furnished with strainer in cover, keeping milk pure.

Manufactured by

E. T. WRIGHT & CO., Hamilton and Montreal.

KNOX HENRY

Heavy Hardware and Metal Broker
Room 32 Canada Life Bldg., MONTREAL.



Samples sent free on application.

HORSE NAILS—**"C"** Brand Horse – Nails
Canada Horse Nail Co.

"BRASSITE" GOODS — Gunn Castor Co. Limited. Birmingham, Eng.

STANDARD TIN WORKS

MANUFACTURERS OF

TINWARE AND TIN CANS

Fruit Cans, Meat Cans,
Jacketed Oil Cans,
Baking Powder Cans,
Lard Pails, Etc.

JAS. A. McGOLPIN

156-162 Duke Street, TORONTO.

"A WORD TO THE WISE IS SUFFICIENT."

Gold Dollars at 90c. each won't sell until you have convinced the customer that they are genuine. Have you the time to make the argument to do the convincing?

ALABASTINE is the standard wall-coating **"The World Over."** Would any dealer want to spend the time to convince a customer that a substitute, or something else, is "just as good" as **CHURCH'S**

ALABASTINE ?

Besides, substitution is suspicious, and often bears earmarks of a swindle.

We do not claim to know all that can be learned about the manufacture of wall coatings, but twenty-five years of experience must count for something, and the fact that **ALABASTINE** is the goods that are in demand speaks volumes in its favor.

Never until **M. B. Church** introduced **ALABASTINE** was it found practicable to make wall-coating adapted to be mixed with cold water.

We own the patents on the cold water process, and this statement is our only argument at this time on that point.

ALABASTINE is healthful and beautiful, has stood the test of time; is manufactured in Canada, and recommended by leading sanitarians throughout the country. There is nothing "just as good." Buy only the genuine.

Manufactured by — **THE ALABASTINE CO., LIMITED, Paris, Ont.**

—The Trade supplied by—

Sanderson Pearcy & Co., Toronto, Ont.
G. F. Stephens & Co., Winnipeg, Man.
Miller, Morse & Co., Winnipeg, Man.
Vancouver Hardware Co., Vancouver, B C.
Wood, Vallance & Co, Hamilton, Ont.
William Hill, Montreal, P.Q

STEVENS SINGLE BARREL SHOT GUN.

LATEST AND BEST SINGLE GUN ON THE MARKET.



MADE IN THREE STYLES THREE GAUGES UP-TO-DATE.

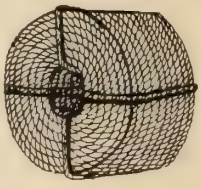
FINEST SINGLE GUN YET PRODUCED.

Our Goods are Handled by the Leading Jobbers.

J. Stevens Arms & Tool Co., P.O. Box 217 Chicopee Falls, Mass., U.S.A.

THE INDEPENDENT CORDAGE CO., Limited,

TORONTO.



Highest Award Pan-American Exposition.

MANUFACTURERS OF ALL KINDS OF

SISAL MANILA **ROPE,** Lath Yarn, Shingle Yarn, Hide Cord, Pulp Cord, Clothes Lines **BINDER TWINE**

Transmission Rope a Specialty.

THE ZANZIBAR PAINT CO., LIMITED

TORONTO

Sole Manfrs.

ZANZIBAR HOUSE PAINTS.

Strong Colors, Durable Gloss, Uniform and Smooth.

ZANZIBAR FLOOR PAINTS.

Easily Spread, Elastic and Durable—Dry Quickly and Hard.

ZANZIBAR ROOF AND BARN PAINTS.

Low Priced, Smooth Body, Weather-Proof.

Zanzibar Shingle Stains contain no anilines, but best pigments—Permanent Colors, Strong Preservative.

NOTE:—We're a strictly Canadian house, buying all we can in Canada, quality being equal, and we will appreciate your patronage or an opportunity to tell you more about ourselves and our goods.

WINDOW GLASS—TO IMPORT.

Prompt Deliveries

EVERY KIND OF PLATE AND WINDOW GLASS IN STOCK.

BENT GLASS of all kinds, our own manufacture. Closest Prices.

TORONTO PLATE GLASS IMPORTING CO.,

Hill & Rutherford

Warerooms and Offices—135 to 143 Victoria St.
Bending Works—209 to 213 Victoria St.

TORONTO

Use Syracuse Babbitt Metal

IT IS THE BEST MADE.



For Paper and Pulp Mills, Saw and Wood Working Machinery, Cotton and Silk Mills, Dynamos, Marine Engines, and all kinds of Machinery Bearings.

Wire, Triangular and Bar Solder, Pig Tin, Lead, Ingot Copper, Ingot Brass, Antimony, Aluminum, Bismuth, Zinc Spelter, Phosphor Tin, Phosphor Bronze, Nickle, etc., always in stock.

CANADIAN WORKS, MONTREAL, P.Q.
AMERICAN " SYRACUSE, N.Y.

Syracuse Smelting Works



Steel Frame Churn.

DAVID MAXWELL & SONS

ST. MARYS, ONT., CANADA.

"Maxwell Favorite Churn"

PATENTED FEATURES: Improved Steel Stand, Roller Bearings, and Foot and Hand Lever Drive, and Detachable Driving Link. Improved for season of 1902. Steel or Wood Frame as desired.

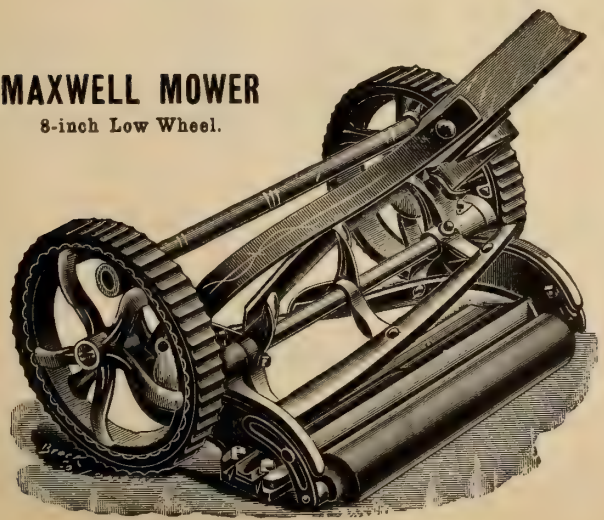
Wheelbarrows. In Four different Sizes.

Lawn Mowers. High and Low Wheels. from 12-in. to 20-in. widths. Cold Rolled Steel Shafting, Crucible Steel Knives and Cutting Plate.

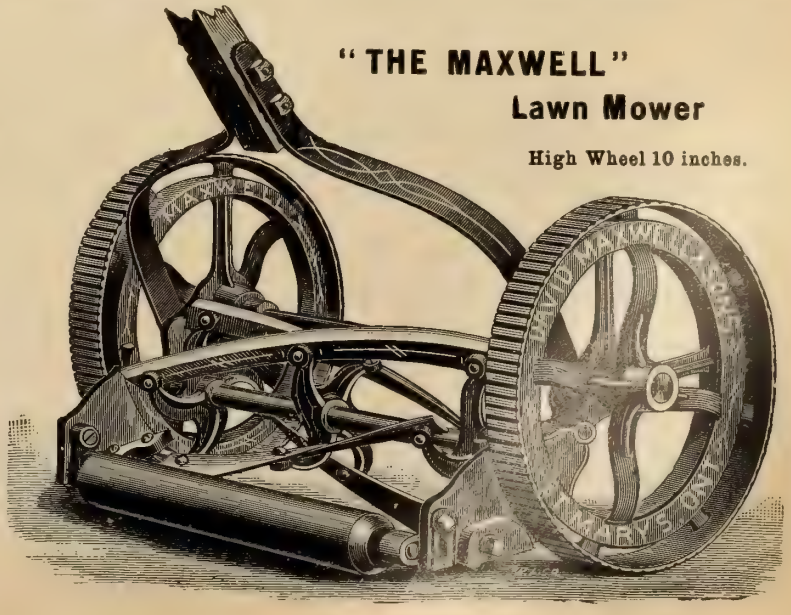
If your Wholesale House does not offer you these articles

SEND DIRECT TO US.

MAXWELL MOWER
8-inch Low Wheel.



"THE MAXWELL"
Lawn Mower
High Wheel 10 inches.



The Popularity of Our Splendid

IMPERIAL OXFORD

Insures Speedy Sales.

Its splendid new features and patented improvements give it a superiority quickly appreciated—its practical ease of regulation and economy with fuel commend it to everyone.

ITS DIFFUSIVE FLUE CONSTRUCTION
FRONT DRAW-OUT GRATE
OVEN THERMOMETER
DRAW-OUT OVEN RACK

and other details of construction appeal irresistibly to the buyer.

Write us for full information, if you aren't handling them.



THE GURNEY FOUNDRY CO., Limited

TORONTO. WINNIPEG. VANCOUVER.

THE GURNEY-MASSEY CO., LIMITED, MONTREAL.



Australasian Hardware and Machinery.

The Organ of the Hardware, Machinery and Kindred trades of the Antipodes.

SUBSCRIPTION $1.25 PER ANNUM,

post free to any part of the world.

PUBLISHING OFFICES:
Melbourne - Fink's Buildings.
Sydney, - - - Post Office Chambers.
AMERICAN OFFICES:
New York, - Park Row Building.
BRITISH OFFICES:
London, - - - 42 Cannon St., E.C.

Specimen Copies on application.

CANADA FOUNDRY COMPANY.
LIMITED.

MACHINE SCREW DEPARTMENT

HEAD OFFICE: TORONTO, ONT.

DISTRICT OFFICES:

MONTREAL, HALIFAX, WINNIPEG, VANCOUVER, OTTAWA, ROSSLAND, B.C.

Square and Hexagon.

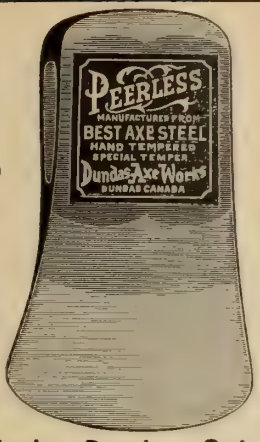


Finished, Semi-Finished.

Cold Pressed Nuts, Machine Screws, Studs, Coupling Bolts, Special Milled Work, etc.

SEND FOR PRICE LIST NO. 1001

A RECORD



Out of 6,000 Axes sold under guarantee in 1901 we did not have six returned broken.

Dundas Axe Works, Dundas, Ont.
W. L. Haldimand, Jr., Montreal Agent.

WIRE ROPE

Wire Rope. OF

GREENING

All Kinds and Sizes
AND FOR
All Purposes.

PRICES RIGHT. PROMPT SHIPMENTS.

The B. GREENING WIRE CO., Limited

Hamilton, Ont. - Montreal, Que.

The Grey and Bruce Portland Cement Company of Shallow Lake, Limited,

Manufacturers of
"HERCULES" BRAND OF

Portland Cement

Unsurpassed for Sidewalks, Floors, and all work requiring the Highest Grade of Portland Cement.

HEAD OFFICE: OWEN SOUND.

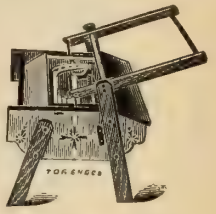


"DAISY" CHURN

Has tempered steel cased bicycle ball bearings, strongest, neatest and most convenient frame. Only two bolts to adjust in setting up. Steel Bow Levers, suitable for either a standing or sitting posture. Has four wheels and adjustable feet to hold stand steady while churning. When churn is locked to stand the bow can be used as handles to move it about on the front wheels as handy as a baby carriage. Open on both sides to centre, giving free space for pail. Made with wood or steel stands, with Cranks only, or Bow Levers as desired.

Vollmar Perfect Washer

Has a most enviable record. A perfection of its kind—will wash more clothes in less time, do it better and easier, with less wear and tear, than any other machine.



THE
Wortman & Ward Mfg. Co., Limited
LONDON, ONT.
Eastern Branch, 60 McGill Street, Montreal, Que.



MAINTAINING THE STANDARD

Standard Silver-Plated Ware has come to be recognized as the Standard-bearer in this branch of manufacture in Canada, and we are doing our best to maintain this reputation.

Our New Patterns for 1902 include many novel and beautiful designs, and we do not hesitate to say they are prettier than ever. Not only are they pretty, but if the **"Standard"** trade mark is on your goods you may feel sure of them, as our absolute guarantee is behind them.

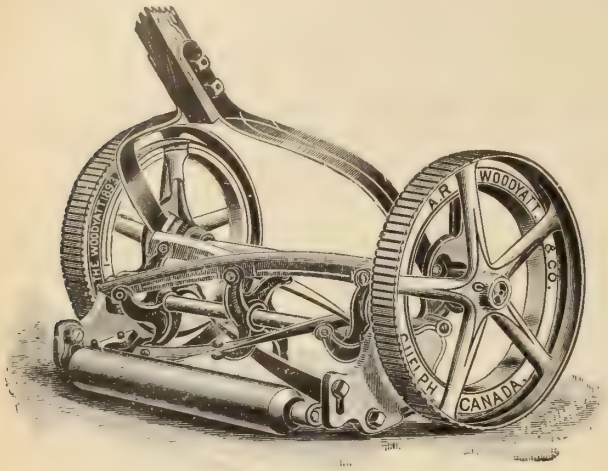
Most Leading Silverware Dealers are selling our goods. Are you? If not, let us send you a catalogue and price list at once.

STANDARD SILVER CO., Limited

31 to 43 Hayter St. **TORONTO.**

"WOODYATT" and "STAR" LAWN MOWERS

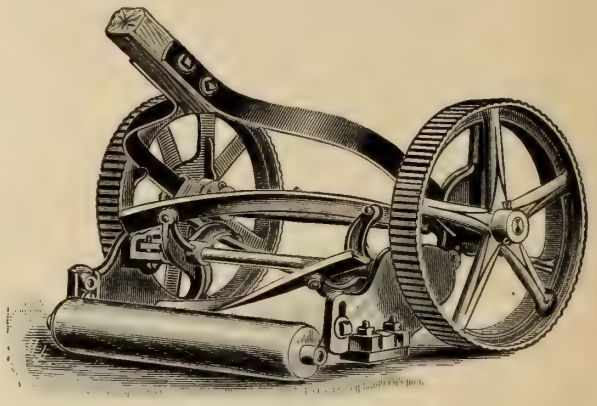
are constructed of the best material we can buy, and together with the simple adjustments, ease in operating, and the perfect work performed makes it mere pastime to use them.



The "Woodyatt" Mower.

We Guarantee all our Machines.

Write for Catalogue.

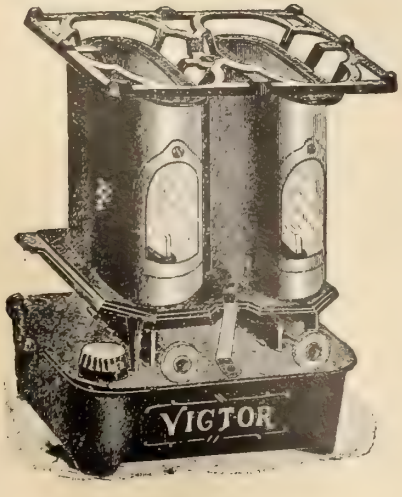


The "Star" Mower.

A. R. Woodyatt & Company, Guelph, Canada.

LARGEST HARDWARE MANUFACTURERS IN CANADA.

KEMP'S "VICTOR" and "DAISY" OIL STOVES Can't be Beat



For lightness, durability and burning qualities.

They have large Oil Founts and 4½-in. Burners, giving larger flame and consequently greater heat than other makes.

They neither smoke nor smell.

They will give your customers perfect satisfaction.

They are made in one, two and three burners.

Increase your trade by handling these leaders.

WE WILL BE PLEASED TO QUOTE YOU.

KEMP MANUFACTURING CO., TORONTO, CAN.

HARDWARE AND METAL

VOL. XIV. MONTREAL AND TORONTO, MAY 3, 1902. NO. 18.

President:
JOHN BAYNE MacLEAN,
Montreal.

The MacLean Publishing Co.
Limited

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P.E. Island and Newfoundland.

OFFICES.

MONTREAL - - - - 232 McGill Street. Telephone 1255.
TORONTO - - - 10 Front Street East. Telephone 2701 and 2702.
LONDON, ENG. - - 109 Fleet Street, E.C. W. H. Miln.
MANCHESTER, ENG. - - 18 St. Ann Street. H S. Ashburner.
WINNIPEG - - - Western Canada Block. J. J. Roberts.
VANCOUVER, B.C. - - - - Flack Block. J. A. Macdonald.
ST. JOHN, N.B. - - No. 3 Market Wharf. J. Hunter White.
NEW YORK - Room 442 New York Life Bldg.

Subscription, Canada and United States, $2.00.
Great Britain and elsewhere - - 12s.
Published every Saturday.

Cable Address { Adscript, London. / Adscript, Canada.

WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

NOT LIKELY TO BE REALIZED.

COMMERCIAL INTELLIGENCE, a journal published in London, England, in the interests of British and Colonial trade, recently contained an article showing the difference in trade between Great Britain and the United States.

"American exports," it says, "to our hospitable shores last year amounted to the neat little sum of £140,000,000, i.e. about half the total exports of the United States. At one time Uncle Sam used to reciprocate, but fiscal barriers have reduced our exports to America to £18,000,000. *** The limit of effective protection against us has been reached, and 80,000,000 Americans buy of us, how much? Goods valued just at 4s. per head per annum. We long suffering 40,000,000 Britishers, on the other hand, buy from the United States to the extent of the handsome figure of £3 10s. per head per annum."

In view of this large balance of trade against Great Britain, The Commercial Intelligence "feels sure that many Americans will blush when they read this."

Our contemporary can scarcely be serious when it ventures the opinion that the Americans must blush when they realize that the balance of trade is so much in their favor.

We have yet to hear that the United States are prepared to blush under any such circumstances, they rather congratulate themselves that their trade has developed so rapidly at the expense of other nations. They are, of course, not to be blamed for this, for they are certainly progressive, and the way their trade has developed is the fruit of this progressiveness. At the same time, the one-sided character of the trade between the United States and many other foreign countries is stirring the latter up to the devising of ways and means for correcting the inequality. It will be remembered that a year or two ago one of the members of the Austrian Government openly preached an alliance among the European nations with the avowed purpose of meeting the keen competition of the United States.

The balance of trade between Canada and the United States is, as our readers are aware, greatly in favor of the latter, and has stirred up a good many in this country to agitate for an increase in the duties on our imports of United States products. This movement is viewed quite seriously by a number of business men in the United States who are interested in Canadian trade, and they are busy on their side preaching closer trade relations with this country in the hope of thereby being able to remove the cause of which the threatened retaliation is the effect.

POLITICS CAUSED THE FAILURE.

A MERCHANT who recent failed ascribes his difficulty to politics. Just how they caused the failure is not explained.

Politics and business seldom mix well. And it is always dangerous to attempt to mix them. A good many people are exceedingly sensitive in regard to political matters, and the merchant who expresses disapproval of the party to which they belong may cause them to transfer their patronage to those who are not likely to give them offence in this respect.

Ontario is in the midst of a general election campaign, and business men will find it the better policy to refrain from discussing politics either with or in the presence of their customers. This is certainly the safer course to pursue, if unpleasant results are to be avoided.

It does not follow that business men should strictly eschew politics. On the contrary, every business man should give some concern to the political affairs of the country. It is the only way in which good government can be secured. But this can be done in a way that will earn the respect, rather than the disapprobation, of customers whose political faith is of the opposite kind.

THE LABOR DISPUTES--A REMEDY.

THERE are strikes and rumors of strikes these days. Coming at a time when trade conditions are so healthy they cannot be viewed with anything else but concern. This is particularly true of the strikes in the building and allied trades. Never in the history of Canada have building operations been carried on so extensively as they are at present, and never, in consequence, has there been such a demand for material and labor. What the effects of a prolonged strike would be under such conditions no one can to the full extent calculate. It can, however, be well expressed in the one word "disastrous."

We do not propose to enter into the merits or demerits of the questions which have led up to the strikes. But those who have given the matter any thought must have wished for the consummation of some practical scheme which would take the place of the strike or lockout as a means of settling disputes between capital and labor.

If those immediately interested in the labor disputes were the only ones to suffer, it would not be so much a matter of concern to the community at large. But the trouble is that trade and commerce also suffer. Anything, therefore, that can be devised, whereby strikes and lockouts can be obviated, would be a benefit to society at large.

If both parties to a dispute would agree upon submitting the same to arbitration, there would be no strikes. Only this week, Chancellor Boyd has agreed to arbitrate the labor dispute between the trackmen and the Canadian Pacific Railway Co. But the trouble is that all parties to a difficulty between employer and employe will frequently not consent to arbitration.

In New Zealand, as our readers are well aware, compulsory arbitration has been in existence for some time. And, while opinion is somewhat divided in regard to the working of the law, the fact that strikes have been prevented is an evidence that compulsory arbitration has succeeded in doing what it was designed to do. The fact that the new Australian Commonwealth has decided to imitate her sister colony is also an evidence that the compulsory arbitration of New Zealand must have some strong features to recommend it to the Commonwealth's Parliament.

Canada, too, is now proposing to take a step in the direction of compulsory arbitration, Hon. Wm. Mulock, who is Minister of Labor as well as Postmaster General in the Dominion Government, having introduced on Tuesday a Bill providing for compulsory arbitration for the settlement of railway disputes. It is therefore a Government measure.

When introducing the Bill he explained that it would apply to Government railways and to all railways under the control of the Dominion Parliament. Strikes and lockouts will be prohibited and penalties imposed for contravention of the provisions of the Bill. Every labor dispute was to be referred to a Provincial Board of Arbitration if the question were of a Provincial character. Larger disputes would be referred to a Dominion board. Each Provincial board would be provided with a clerk who, among other duties, would act as a medium of communication between the parties to the controversy. Each Provincial board would be composed of three arbitrators, one appointed by the railways operating within the Province, another to be chosen by the men, and a third to be chosen by these two. If these two failed to agree on a third, then the third would be chosen by the Governor in-Council. The Dominion board would consist of five members, two chosen out of the seven elected by the railway companies to the Provincial boards, two chosen from the seven elected by the railway employes to the Provincial boards, and a fifth to be named by these four, or by the Governor-in-Council. It would be the duties of these boards, first, to endeavor by conciliatory methods to arrange the matter in dispute; failing in that direction they would be clothed with ample powers to determine the dispute and make an award. On a Provincial board the decision of the chairman and one more would be an award. On the Dominion board the decision of the chairman and two more would be an award. This award would be current for such time, not exceeding a year, as the award should state, with provision that either party may terminate it within a lesser period, but that it must continue in force until another award has been made to take its place. The award shall not be cognizable in any court and shall not be removable to any court for the purpose of review, of amendment, or of being quashed.

It is not the intention of the Government to press the Bill through to its final stages during the present session of Parliament. That will be left to the next session. In the meanwhile the Bill will be printed and distributed, so that everyone interested may be able to thoroughly digest its contents and suggest any amendments that may be deemed necessary.

We believe the Bill is a step in the right direction, and it is to be hoped that it will be possible to eventually extend its principle to industrial disputes of all kinds, for all strikes and lockouts disturb the trade and commerce of the country.

Compulsory arbitration may be deemed by a good many people an interference with the liberty of the subject. But wherever there is an organized society there is interference with the liberty of the subject in order that the greatest good may be provided for the greatest number. And in the matter of compulsory arbitration the idea is certainly the greatest good for the greatest number.

WOULD NOT BE BOUGHT.

THE two tobacco trusts in Great Britain, namely, the American and the home trust, are making desperate efforts to secure control of the retailers.

It seems that the British combination approached the retailers and offered them a fair sum if they would agree to handle none but tobaccos supplied by it. The Americans were willing to go much better than this; in fact, they offered the retailers inducements said to be four times more valuable than those made by the British trust. But even this bait did not catch the retailers. They quietly gave both trusts to understand that they were not in the market to be bought.

The British retailers are certainly to be congratulated upon the stand they have taken. Merchants, either wholesalers or retailers, do not, as a rule, gain anything by binding themselves up to any one interest. The tobacco and all similar trusts only endeavor to get control of the merchants in order that they may use them as their tools. Their thought is their own welfare only, and not that of the merchants.

Merchants cannot afford to allow themselves to be used by any interest. Loss of free will means loss of one of the greatest essentials to success in business.

Successful merchants are those who act and think for themselves.

NEW YORK METAL MARKET.

COPPER—The weakness in copper has crystallized into a decline. The price of Lake, in its downward course, passed 12c. to-day, but the quotation of 11.95c. now made on any delivery, from spot to July, does not appear to be low enough to attract buyers. The latter are not prepared to pay more than 11.75c., that being bid to-day at the close. Both electrolytic and casting copper can be bought at 11.62½c. for spot to July delivery, with buyers not above 11.27½c. Standard copper also was easy. There was a sale of 100 tons for August delivery at 11.15c., and that was asked at the close for any delivery over the year, buyers bidding 10 85c. Offerings of all grades were made freely at the prices mentioned and in large quantities. The downward movement in London made further progress to day under the influences prevailing for some time past. The close was easy at a decline for the day of 5s.

PIG TIN—There were more sellers to-day, and this, in conjunction with weaker advices from London, caused an easier feeling, resulting in a decline of 25 points. Fifteen tons spot sold at 28.10c., and the market closed with that asked for spot and May, while 27.87½c. was bid for the former and 27.80c. for the latter delivery. June was quoted at 27.75c. bid and 28c. asked, and July at 27.50 to 28c. The London market broke 15s. before noon, and closed the day £1 lower than last night on spot and 12s. 6d. lower on futures, a considerable business having been done in the latter. The tone of the English market at the close was easy.

PIG LEAD—The market was dull, with prices steady, however, at 4 10 to 4 15c., as to quantity and date of delivery. St. Louis was steady at 3 97½ to 4c., and there was no further change in London.

SPELTER—There is little demand and the tone of the market is rather easy at 4 42½c. for spot; 4 37½c. for May, and 4.35c. for June shipment from the West. In St. Louis the market was firm, with sales of 100 tons at 4 17½c. and 100 tons at 4.20c. London was unchanged.

REGULUS ANTIMONY — The demand is moderate and prices are unchanged at 10½c. for Cookson's; 8 to 8¼c. for Hallett's, and 7½ to 8c. for other brands.

IRON—The situation in the iron market is practically the same as for several weeks past. While the tone is extremely firm reports like those circulated yesterday that prices are advancing, appear to have no other foundation than occasional forced purchases of small lots for specified deliveries upon which the buyers are obliged to pay whatever the holder who has the material to spare demands. Less anxiety concerning the future seems to be felt by actual consumers of pig iron than speculative operators who, it is claimed, are anxious for reasons of their own to see the market advance. A Philadelphia report presents the situation as it appears in all markets concisely as follows: "The market appears to have been sold to a standstill. There is practically nothing offering, and those who need iron have to go around until they find someone who has it to spare. Buyers appear to be less anxious, however, so that the demand is not nearly as urgent as it was two or three weeks ago, although prices are firm at the full figures then ruling."

There seems to be no relief of the stringency in supplies of finished material in sight. The mills seem to have all the work they can handle, particularly in structural iron, and new business for anything like early delivery goes begging. Whatever stock can be picked up from second hands commands high premiums, but the list prices do not change. As for weeks past, steel billets are exceedingly scarce, and it is impossible to give a quotation, as under the circumstances there is no market. Up to $32.50 to $33 delivered has been paid for small lots, but whether this could be duplicated or not could only be determined by a very thorough canvass of the market to find a seller. There is nothing offered openly at any price. Figures of imports of iron and steel prepared from Government returns by the New York Metal Exchange show an increase of over 100 per cent. in the imports, including iron ore, for the first three months of 1902, as compared with those for the corresponding time last year, the figures of the first-named period being 281,120 tons. Exports, on the other hand, decreased more than 50 per cent., being 110,097 tons for the three months of this year, against 229 862 tons for the same period in 1901.

TINPLATE—There was no change in the situation, the market being very quiet at the previous quotations.—New York Journal of Commerce, April 30.

GOOD MONEY

and plenty of business-increasing helps go hand in hand with

THE SHERWIN-WILLIAMS
PAINT AND VARNISH AGENCY.

There's no paint that is so well known and advertised, that is so easily sold, that is of such uniformly high quality, that gives so much genuine satisfaction, that brings so much profit to the dealer as The Sherwin-Williams Paint. It is a pure lead zinc, linseed oil paint, made by the largest paint and varnish makers in the world. It is a paint that brings with it advertising helps that build up business, that make the paint department the best paying department, that advertise the entire store—helps that never fail to win trade if properly employed.

The same is true of The Sherwin-Williams Varnishes. They are the most economical varnishes made. They are uniformly good and always true to the label. Dealers who sell them have no difficulty in getting and holding the Painters' and Decorators' trade.

If you are not now a Sherwin-Williams agent it will pay you to write at once for the B-13 Booklet, which describes briefly The Sherwin-Williams Paints and Varnishes, and tells how they can be sold by any dealer anywhere with profit and satisfaction. Better write for it now—a postal card will bring it.



THE SHERWIN-WILLIAMS CO.
PAINT AND VARNISH MAKERS.
CLEVELAND.
CHICAGO, NEW YORK, NEWARK, MONTREAL, BOSTON, TORONTO, SAN FRANCISCO, KANSAS CITY



GERMAN CUTLERY INDUSTRY.

A cable from Berlin says: "A report of the Chamber of Commerce of Solingen, Prussia, says the depression in the cutlery industry has been partly relieved by large American orders. Although Solingen goods are now largely made in the United States, behind the tariff wall, the report goes on to say, still the American manufacturers are unable to meet the demand which requires them to supplement their production with German goods."

STEAM POWER IN THE FILE WORKS.

SHORTLY after The Nicholson Co., of Providence, U.S.A., purchased The Globe File Manufacturing Co.'s business at Port Hope, they discovered that it would be impossible for them to be enabled to supply the demand for their goods by operating their works altogether by water-power, on account of the uncertainty and limited amount of power at their disposal. Consequently, as soon as they had completed the extensive changes and additions made to this factory, they decided to put in a 175 horse-power engine and boiler, which will give them all the power required in the different departments, and will enable them to run their works full blast all through the year and will make them independent of the water power.

No expense has been spared to place this plant on an equal footing with any of their six American manufactories. The daily output of the different brands, which they now control, will soon enable them to execute all back orders, and they advise their many customers that they will be in a position by June 1 to execute all orders promptly.

This industry has proved a great boon to Port Hope, as they have supplemented the working staff of the old company by bringing in a number of experienced mechanics, who will become permanent residents.

FAILURE OF A HARDWARE FIRM.

Thomas Dunn & Co., wholesale and retail hardware merchants, Vancouver, have assigned with liabilities of $275,000. Of this $150,000 is owing to a bank in Ontario which holds chattel mortgages as securities, it is claimed. Thomas and Peter Dunn, the original members of the firm, sold out in 1894 to a joint stock company with a capitalization of $250,000, the two partners holding the largest amounts of stock. Branches had been opened in Atlin and Dawson, but they are now closed. The creditors will hold a meeting on May 6. Several Toronto houses suffer by this failure.

WINDING UP A TIRE COMPANY.

E. R. C. Clarkson is winding up The American Tire Co., Toronto, but there will be but little realized from the estate. The liabilities are about $150,000. The plant, which has a nominal value of $30,000, will be offered for sale in a day or so. The late manager, H. P. Davies, is believed to be in Mexico. A judgment against him for $8,000 was recently secured by the liquidator.

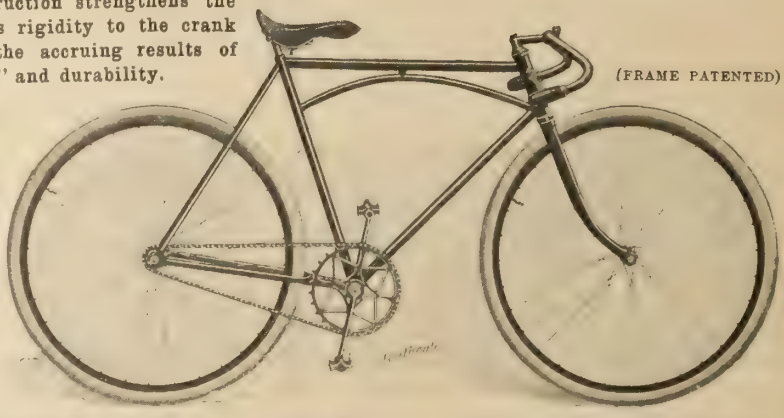


A Bicycle so constructed that, with each thrust of the pedal, its hanger is forced to move out of alignment, **RUNS HARD** and will not wear well, as chain, sprockets, bearings and rear wheel are all subjected to unusual strains.

The Iver Johnson Truss Frame is the Solution

as this construction strengthens the frame and adds rigidity to the crank hanger, with the accruing results of "easy running" and durability.

(FRAME PATENTED)



Agents wanted in unoccupied territory.

Catalogues mailed free upon application.

IVER JOHNSON'S ARMS & CYCLE WORKS,

New York Salesrooms- 99 Chambers St. FITCHBURG, MASS.

THE OAKVILLE BASKET CO.,



Manufacturers of

1, 2, 3 Bushel

Grain

AND

Root

BASKETS

THE OAKVILLE BASKET CO.

Buy the Best.



HERCULES

Sash Cord.

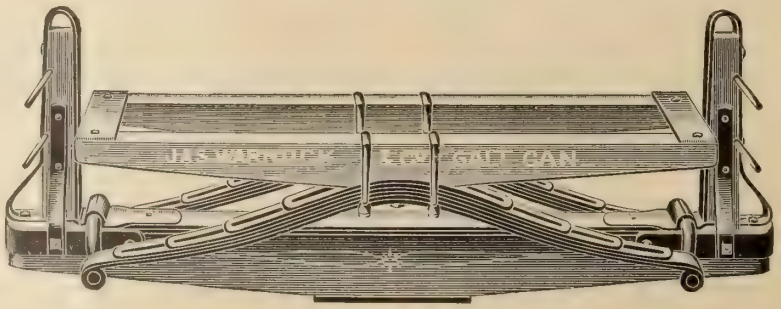
Star Brand Cotton Rope

Star Brand Cotton Clothes Lines

Star Brand Cotton Twine

For Sale by all Wholesale Dealers

"The Peerless" is the best Bolster Spring ever produced. A fine line for the hardware trade. Write Us For Prices.



James Warnock & Co. = Galt, Ont.

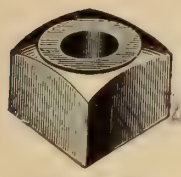
H. S. HOWLAND, SONS & CO.

WHOLESALE ONLY

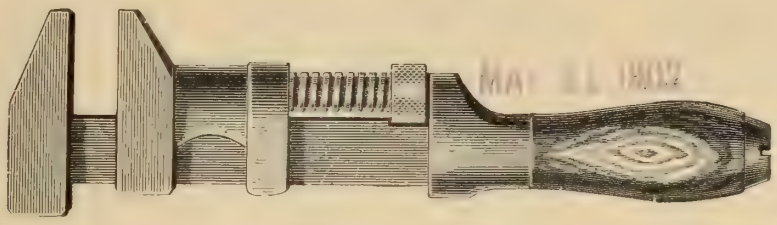
37-39 Front Street West, **Toronto.**

ONLY WHOLESALE

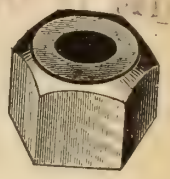
Wrenches.



Square Nuts.



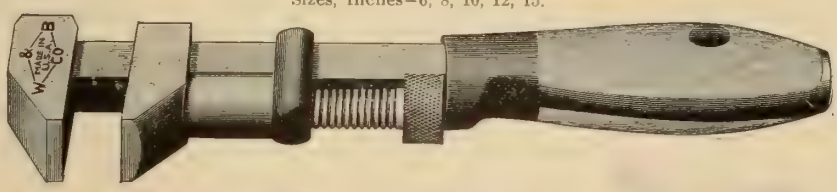
Agricultural Wrenches.
Sizes, Inches—6, 8, 10, 12, 15.



Hexagon Nuts.



"Acme"
6, 8, 10, 12, 15-inch.

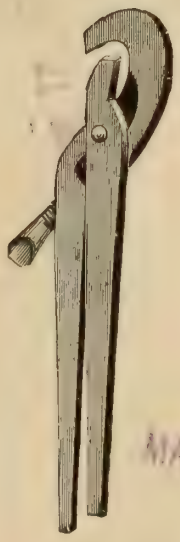


Whitman and Barnes' Knife Handle.
Sizes, Inches—6, 8, 10, 12, 15, 18, 21.



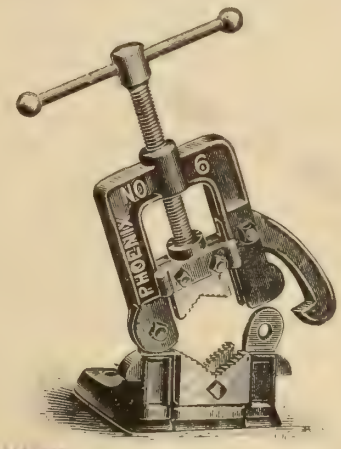
"Russwin"
Sizes, 10, 12, 15-inch.

Pipe Vises and Wrenches.



Brown's Pipe Tongs.

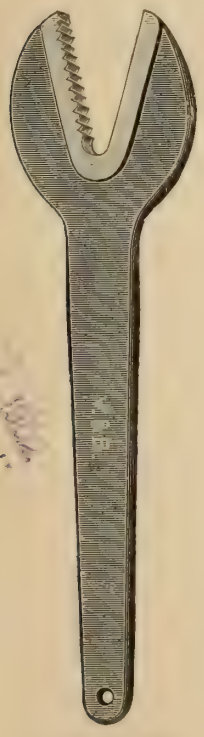
No.	Hold Pipe.
1	$\frac{1}{4}$ to $\frac{3}{4}$
$1\frac{1}{2}$	$\frac{3}{4}$ to 1
2	$\frac{1}{2}$ to $1\frac{1}{4}$
3	1 to 2
4	$1\frac{1}{2}$ to 3



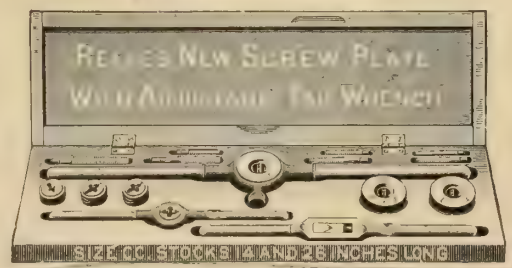
Pipe Vises.
Hold Pipe $\frac{1}{8}$ to 3-inch.

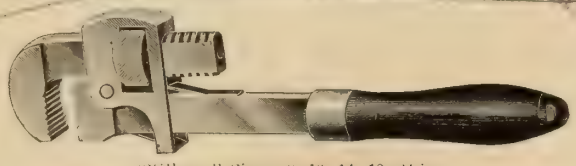


V. & B. Pipe Tongs.
20-in. long.
Hold Pipe
$\frac{1}{2}$ to 2-in.



"Handy," all steel.
9, 15, 22, 30-inch.





"Stillson," Sizes—8, 10, 14, 18, 24-in.



Bemis & Call.
Sizes, 10, 12, 15-inch.

For Prices and Fuller Particulars see our No. 12 Catalogue.

H. S. HOWLAND, SONS & CO., Toronto.

WE SHIP PROMPTLY

Graham Nails are the Best.

OUR PRICES ARE RIGHT

Factory: Dufferin Street, Toronto.

NOVA SCOTIA MARKETS.

HALIFAX, April 29, 1902.

THE spring demand for hardware still continues unusually heavy, and, since the opening of the season, there has been a brisk demand in nearly every line of rade, though some lines are more called for at this season than others. Continuous orders of good value are coming in from the travellers on the road, and members of the trade are kept very busy filling and shipping orders.

* * *

There is a specially heavy demand for builders' hardware and materials in that line. The demand in these commenced early and still continues without any abatement, indicating that there is a heavy building boom on in almost every part of the Province. There is not so great a demand for these at Sydney as for the last two years, but Sydney Mines, the location of the Nova Scotia Steel and Coal furnaces, is a big market this season, as is also Glace Bay. Halifax is doing fairly well in this line, with heavy improvements at North Street Station, a new Customs House, many buildings, public and private, and, possibly, the $75,000 Carnegie gift library building.

* * *

In Halifax, where nearly every wholesaler is also a retailer, it is hard to distinguish between the activity of one and the other, but those who do a retail trade only have nothing to complain of in the way of activity. Both wholesalers and retailers report money plentiful and payments met with unusual promptness. All concur in the opinion that the season, so far, has been remarkably good, and the prospects for a continued demand in all lines of the trade are excellent.

* * *

Prices remain much the same as previously reported, but the iron and steel markets abroad remain so firm that advances at any time are expected. Large stocks of glass, zinc and cement arrived lately from Antwerp by steamer Albuera and by English steamers, and orders which were waiting have been filled. Prices remained stationary. Turpentine is weaker, on account of a recent report of a drop of $4 per bbl. at Savannah, but local prices are unchanged. There is also an easier feeling in linseed oil, and, the present spring demand over, prices may decline somewhat in both oil and turpentine.

* * *

The cordage situation is unsatisfactory. Recent advances have been made, and further advances are looked for. Manila rope, now unusually high, has been advanced, also jute wool twine, lathyarn and other lines. Foreign markets are very firm in these lines—no doubt in sympathy with the cotton situation—and, if anything, higher prices are expected. Manila is now quoted at 16c. base ; British Manila 14½c.; sisal 13c.

* * *

Some of the commodities most in demand now are : Wire and cut nails, quoted at, cut, $2 35 base ; wire, $2.55 base. Wire fencing, at $3 base for fencing, and 4 to 4½c. for staples, which lately advanced. Linseed oil, raw, 85c. ; boiled, 88c. Turpentine, at 28c. in bbls. White lead, at $5.87½ for pure, and $5 50 for No. 1. Roofing, three ply at $1.50 per roll ; two ply, 90c.; tarred felt, $1 80 ; tarred sheathing, 40c.; dry, 30c. Cement, $2 40 for Belgian ; $2.75 for English. Glass, in 50-foot boxes, first break, $2.10 ; second break, $2.20 ; in 100-foot boxes, first, $4 ; second, $4.25 ; third, $4.85 ; fourth, $5.25. Pig lead, which has advanced 25c , $3.75 to $4.

R. C. HAMILTON.

MONTREAL PLUMBERS' STRIKE.

THE long promised strike of the plumbers of Montreal commenced on May 1, when about 145 men quit work. The places affected were those of Ald. Jos. Lamarche, J. W. Hughes, Ogilvie Bros., Blouin & Desforges, Telesphore Latourelle, David Ouimet, Thomas O'Connell, Thos. Moole, Denman & Bethune, M. Walsh & Co., M. Roussin, Drapeau & Champagne, M. Charest, H. Thibault, Chas. Garth & Co., Gordon & Egan, W. H. Stevens, Marier & David, E. Lesperance and W. J. Maguire.

The demands of the men are :

1. Nine hours (9) shall constitute a day's work, and the salary paid shall not be less than twenty-five (25) cents an hour.

2. That all master plumbers employing journeymen plumbers, gas and steam and hot water fitters, in the city of Montreal and vicinity, bind themselves to employ none but good standing members of Local Union 144.

3. Five years (5) shall constitute the time each apprentice shall have to serve before he shall be recognized as a journeyman plumber, gas or steam and hot water fitter, and be entitled to admission and protection of this Union 144.

4. All overtime shall be paid at the rate of time and a half, and double time for the following holidays: Sundays, Christmas, New Years, Labor Day and Dominion Day.

5. All members of this Local working outside the city shall be governed by the rules of this Local, and shall have their transportation and board paid, and shall receive single time pay, during travelling, day, night, Sunday, or holiday.

6. No members of Local 144 shall be permitted to take sub-contracts, or do any jobbing, or to work for any person who shall take such sub-contracts or jobbing.

7. No members of this Local shall install any material which shall not be furnished to him by a Master Plumber, under a fine of twenty-five ($25) dollars or expulsion of this Local Union.

8. No member of Local Union 144 shall install any material supplied by wholesale houses or other which shall not protect the trade.

9. No member of this Local Union shall have more than one helper, except when working on 2½ in. pipe or over, or over 6 in. soil pipe, or in any dangerous place.

10. All members starting a day's work shall be employed by his boss the entire day or shall be entitled to a day's pay.

The above agreement is to be in force for one year. Most of the city master plumbers signed the agreement, but many still hold out. The advance in wages would likely be allowed by all the employers, though one or two have declared that to give higher wages they would have to increase their charges, and instead of charging 40c. per hour, as now, would be compelled to ask 60c.

But the chief objection to the demands of the men is in the second clause, which requires the master plumbers to employ none but men of the local union. This would not allow them to bring in men from outside the city if that were necessary in order to complete a big contract, and the failure of filling which would make them liable to damages.

The union, however, expects the strike to end shortly. The men declare that the employers are rapidly coming around to the proposed agreement, and that the affair will be settled in a few days.

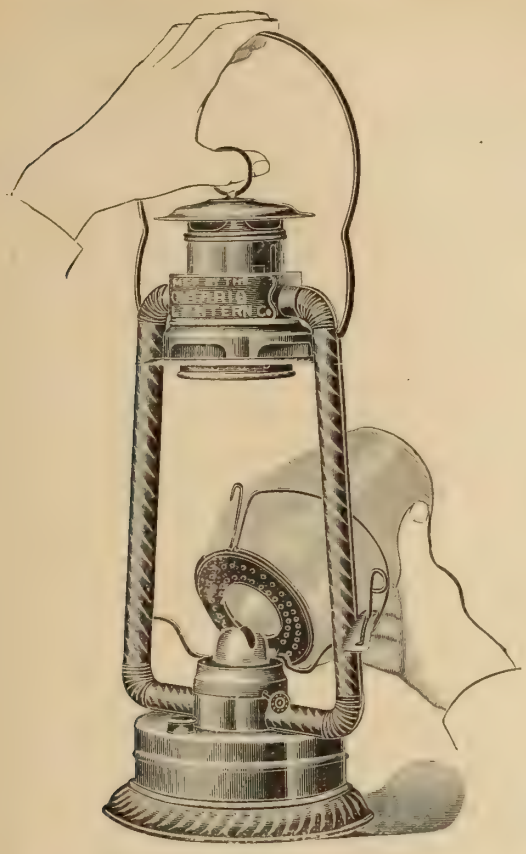
ELECTRIC PLANT IN THE SLOCAN.

AN application for the water rights of Box Canyon, in the Slocan, British Columbia, has been filed at New Denver, by N. J. Cavanagh and Oscar V. White. The application calls for 1,000 inches of the water of Carpenter Creek, to be used in developing electric energy. The White Company intends to put in a large electric plant with which to supply Sandon, Three Forks, New Denver, Silverton, and Slocan City with light, besides furnishing power to mines, compressors, concentrators, etc., all over the Slocan district. The site chosen is probably the best unoccupied site for a power plant in the district.

With 1,000 feet, there can be developed a flume head of nearly 250 feet, and this, with 1,000 inches of water, will furnish upwards of 2,000 horsepower, if that much power should be necessary.

Sandon alone uses 1,200 lights, and the company now supplying the electric energy has no exclusive franchise. There is probably room for 100 lights in Three Forks, 500 in New Denver, 300 in Silverton, and 600 in Slocan City, or 2,800 lamps altogether. And the mines will also furnish a big demand for electricity, both for power and light. The White Company have not yet decided what style of generators they will install and will not start work until the water rights are granted.

Murray A. Kerr, president of The Hamilton Steamboat Co., Hamilton, Ont., is dead.



We also manufacture the celebrated
"RADIANT SHELBY" INCANDESCENT LAMP.
WRITE FOR PRICES.

Standard Light Producing Goods:

"Banner," Cold Blast
"Banner Junior," Brass
"Climax," Safety
"Little Bobs"

LANTERNS

Superior to all others. Perfect in Combustion.

Handsome in Appearance.

For sale by all prominent Hardware and Lamp Goods Merchants throughout the Dominion.

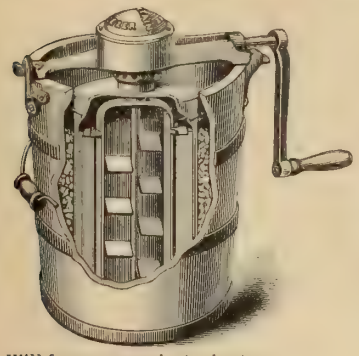
WRITE FOR CATALOGUE AND PRICES.

Manufactured by

The Ontario Lantern Co., - Hamilton

WALTER GROSE, Selling Agent, Montreal.

It Pays the Dealer



Will freeze cream in 4 minutes.

TO HANDLE THE

White Mountain Freezer

BECAUSE

It is the best acting, best looking, strongest, most durable and best selling freezer manufactured.

There is not a weak point about it or a waste part to it.

It embraces all the good features to be found in all other freezers, and many more besides that are peculiar to itself.

SOLE AGENTS FOR CANADA:

THE McCLARY MANUFACTURING CO.,

London, Toronto, Montreal, Winnipeg, Vancouver, St. John, N.B.

CORDAGE

ALL KINDS AND FOR ALL PURPOSES.

Manila Rope	Lathyarn
Sisal Rope	Shingleyarn
Jute Rope	Bale Rope
Russian Rope	Lariat Rope
Marline	Hemp Packing
Houseline	Italian Packing
Hambroline	Jute Packing
Clotheslines	Drilling Cables
Tarred Hemp Rope	Spunyarn
White Hemp Rope	Pulp Cord
Bolt Rope	Lobster Marlin
Hide Rope	Paper Cord
Halyards	Cheese Cord
Deep Sealine	Hay Rope
Ratline	Fish Cord
Plow Lines	Sand Lines

"RED THREAD" Transmission Rope from the finest quality Manila hemp obtainable, laid in tallow.

CONSUMERS CORDAGE COMPANY, Limited

Western Ontario Representative—
WM. B. STEWART,
Tel 94. 27 Front St. West, TORONTO.

MONTREAL, QUE.

RESOURCES OF THE CANADIAN NORTHWEST.

REPORTS of sermons are not, as a rule, published in the columns of the trade and financial press. A sermon, or, more strictly speaking, an address that was delivered in a Toronto church on Sunday last was so filled with matter of interest to the commercial world, that no apology is necessary for reproducing a summary of it in the columns of "The Canadian Grocer."

The preacher was Rev. John McDougall, who, for 42 years, has been a missionary in the Canadian Northwest, except during a few months in 1885, when he acted as a scout for the Canadian troops during the Riel Rebellion.

His subject was the

"RESOURCES OF THE CANADIAN NORTHWEST."

He said he spoke fron an experience of 42 years in travel and work throughout every part of the Northwest, and yet confessed that he knew only a part of it, notwithstanding the fact that the pastor had introduced him as a man knowing more, perhaps, about it than any other living person.

Mr. McDougall took as an illustration of the greatness of that country a block of land 1,000 miles square (640,000,000 acres), abutting the 49th parallel, and lying between the Rockies and the western boundary of Ontario. This great stretch of territory contained, in his estimation, more acres capable of agriculture and of responding to the thrift and mechanical operation of industrious men than any other stretch of like dimensions on the face of the globe. He called it the very acme of God's work in this respect. Of this great block of land he took 100,000,000 acres, less than one-sixth of it, and placed a conservative estimate of a yield, when cultivated, of 15 bushels an acre. Then he took the bulk estimate, and asked what it would mean to move it to the markets of the world. Looking at it as Mr. McDougall presented it, the haulage necessary seems enormous. He took a train of 40 cars leaving Winnipeg for the east. Each car would carry 1,000 bushels, making an aggregate cargo of 40,000 bushels. Then he asked how many trains of that kind it would take to move the conservative estimate of 15 bushels an acre of one sixth of his selected block. He had found that it would take 37,500 trains of 40 cars, or a little more than 102 trains a day for every day of the year. Figuring more finely still, he had found that it would keep one of such trains moving out of Winnipeg every 15 minutes, day and night, for 365 days to move the wheat crop of but one sixth of that stretch of country.

OTHER THINGS THAN WHEAT.

But Mr McDougall did not confine his estimates to wheat alone. He supposed that in time live stock would be raised in that part of the country. He had waited 23 years for a railway, and had come to know the virtue of patience. The country was rich in pasture land and grasses of rich butter and cheese producing qualities, so that it promised great possibilities. Mr. McDougall allowed one fat bullock a year for shipping purposes to every 40 acres of one-sixth of the block 1,000 miles square. That meant 16,000,000 head of cattle a year. At 20 head a car it meant 40,000 trains of 20 cars each, or a little more than 100 trainloads of cattle moving out of Winnipeg every day for a year. To every 10 acres he allowed one fat sheep and one marketable hog. That meant 64,000,000 of each, which, loaded 200 to a car, would show 32,000 trains of 20 cars each moving out of Winnipeg—one about every 15 minutes, day and night, for a year. Butter and cheese were not overlooked, but of wheat and live stock alone, at this very conservative estimate, it was shown that 109,500 trains of 20 cars each would pass out of Winnipeg every year, or one train every five minutes, to the markets of the world.

Mr. McDougall said that he himself had traced along the eastern base of the Rockies 500 miles long and 200 miles wide one great bed of rich anthracite and bituminous coal, or, in other words, 100,000 square miles of it. He had heard that China had the largest coal beds in the world, but his own observations had led him to believe that she had not one-fifth as much as this one block.

Then there were great water powers. Mr. McDougall, in his travels, had found strong and persistent currents. He and a companion, in an old punt, had once gone with the current down the big Saskatchewan 160 miles in 28 hours. There were also great natural reservoirs of water, with splendid tumbling power. The country along the valley of the North Saskatchewan was compared with England. It looked to Mr. McDougall as if some great race had lived there centuries ago, so splendid were the terraced forests and natural beauties.

CATALOGUES, BOOKLETS, ETC.

A PUMP CATALOGUE.

The fifty-third annual catalogue of Rumsey & Co., Limited, manufacturers of hydraulic engines, Seneca Falls, N.Y., is a book of 250 pages, substantially bound in red cloth. In it are lists and prices of different pumps made by them, from the common well and cistern to the huge force pumps for railways and mines. This firm are also the makers of hydrants, hydraulic rams, fire alarm bells and hand fire engines. The catalogue contains illustrations and descriptions of all of these, and, besides, a telegraphic cipher code and some tables of interest to those who have work in connection with pumps and other lines mentioned above.

This book, which is fully indexed, will be sent on application to any of our readers writing and mentioning "Hardware and Metal."

A PAINT FIRM'S BLOTTING PAPERS.

Stewart & Wood, paint and oil merchants, Toronto, are sending out to their customers blotting paper, on one side of which is the card of the firm and a handsome engraving in colors. The designs comprise bunches of roses, a group of children under an umbrella, beautiful Eastern girls, and others.

A TOOL CATALOGUE

Among the leading lines of goods manufactured by North Bros. Manufacturing Co., Philadelphia, are their "Yankee" tools and ice-cream freezers. These are noted for their simplicity, durability, smoothness of working and moderate cost. Their Yankee tools are accurately and strongly made, and tested before being put on the market, and their freezers are durable and contain many special features making them simple to operate. They have just issued a catalogue containing descriptions, engravings and prices of all these and other lines that are worth writing for by any of the readers of "Hardware and Metal."

Messrs. Douglas, Pike & McWilliams, representing a large linseed oil concern in Minneapolis, are in Winnipeg seeking a site for the location of linseed oil mills there.

W. A. Sherrin and J. Y. Bambridge, who conducted a hardware business in Souris, Man., under the name of J. Y. Bambridge & Co., have dissolved partnership, and the business henceforth will be conducted by Mr. Bambridge under the name of Bambridge & Co.

WIRE NAILS
TACKS
WIRE

Prompt Shipments

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

WE have the nicest set of Hose samples ever shown to the Canadian trade. Don't fail to see them.

HOSE

GARDEN
STEAM
SUCTION

ETC.

Send for samples and quotations.

WE make Hose of all kinds for all purposes. Our equipment is the most modern and our goods are perfection.

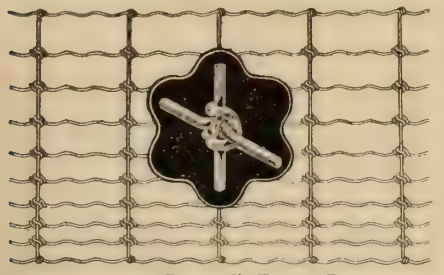
MANUFACTURED BY

THE DURHAM RUBBER CO., LIMITED

Bowmanville, Ont.

IDEAL WOVEN WIRE FENCING

Complete in the roll. A heavy one-piece stay that will not buckle up and cannot slip. Note the lock. No. 9 hard spring wire throughout. A fence that **will last.**



The McGregor, Banwell Fence Co., Limited
WINDSOR, ONT.
COILED SPRING AND OTHER FENCE WIRES.

WOULD you know how to control the paint trade of your town?

Sell the paints giving the most lasting results.

WE HAVE THEM.

HOLLYWOOD TRADE MIXED MARK PAINT

THE HOLLYWOOD PAINT CO., Limited

New York, Buffalo, Chicago, Columbus, O.

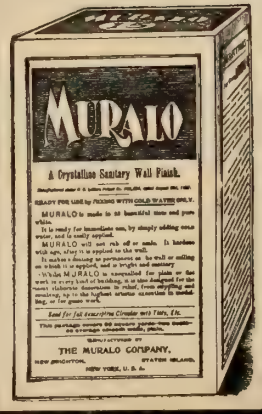
CANADIAN WORKS - HAMILTON, ONT.

It is the little leaks that make the big hole. You will avoid some of these when you use

Wrapping Papers

that come from these mills. Good in quality and thus saving waste in use. 480 sheets to the ream always —full weight in every case.

CANADA PAPER CO., Limited
TORONTO, and MONTREAL.



MURALO

The only sanitary and the best of all **cold water** wall coatings **in 5-lb. packages.**

Agents:

A. RAMSAY & SON, - - - MONTREAL
J. H. ASHDOWN, - - - WINNIPEG
McLENNAN, McFEELY & CO., - VANCOUVER

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

THE creditors of D. Meharey, general merchant, Russell, Ont., have held a meeting, and the stock has been sold at 73½c. on the dollar.

George C. Smith, painter, Montreal, has assigned.

G. A. Dugal, tinsmith, etc., Masson, Que., has effected a compromise.

A consent of assignment of George C. Smith, trader, Montreal, has been filed.

George H. Harshaw, general merchant, Camilla, Ont., has assigned to John M. Bennett.

Jos. Savaire, general merchant, Ste. Anne du Sault, Que., is offering to compromise.

Octave Roberge, sawmill owner, St. Paul de Chester, Que., is offering to compromise at 15c. on the dollar.

The creditors of the estate of E. C. Gooden, general merchant, Baie Verte, N.B., held a meeting on April 28.

James Glanville, Toronto, has been appointed curator of Hawkins Bros., general merchants, Blind River, Ont.

Dryden & Gibson, agricultural implement agents, Moncton, N.B., are offering to compromise at 25c. on the dollar.

John Hyde and John J. Griffiths have been appointed curators of C. A. Miller, general merchant, Windsor Mills, Ont.

The creditors of Thomas Dunn & Co., Limited, wholesale and retail hardware merchants, Vancouver, B.C., meet on May 6.

PARTNERSHIPS FORMED AND DISSOLVED.

Greer & Wigmore, painters, London, Ont., have dissolved.

The Deering Harvester Co., Montreal, have dissolved and registered.

Lilly & Carter, general merchants, Dauphin, Man., have dissolved.

Leroux and Therien, wood and coal merchants, St. Louis de Mile End, Que., have dissolved.

Thomas Myles & Sons, coal merchants, Hamilton, Ont., have dissolved. A. H. Myles retires.

Oakley & Holmes, stoneworkers and contractors, Toronto, have dissolved. Frederick Holmes continues.

George A. Bull, agricultural implement agent, Yorkton, N.W.T., has admitted E. E. Pettit into partnership.

W. H. Kemp, livery and implement agent, Innisfail, N.W.T., has admitted as partner, H. A. Hetherington.

Charles Kearney & Son, general merchants, Florenceville, N.B., have dissolved; J. V. Kearney continues.

SALES MADE AND PENDING.

Elliott & Burdick, carriagemakers, Lacombe, N.W.T., have sold out.

The stock of Louis Doyon & Cie., general merchants, St. Victor de Tring, Que., has been sold at 67½c. on the dollar.

The stock of Daniel Johnson, general merchant, Combermere, Ont., has been sold.

The stock of The American Tire Company, Limited, Toronto, is advertised to be sold by auction commencing May 8.

The assets of John W. Lavallee, general merchant, St. Charles, Bellechasse, Co., Que., have been sold by auction to The V. & B. Sporting Goods Co., Quebec.

CHANGES.

Berube & Lachance, blacksmiths, Montreal, have registered.

The Dominion Sporting Goods Co. has registered at Montreal.

Lemair & Boivin, hardware merchants, Magog, Que., have registered.

Bennett & Moncel, electrical contractors, Montreal, have registered.

Samuel Moore, mason, Parrsboro', N.S., has removed to Port Greville.

Asselin & Smith, general merchants, St. Telesphore, Que., have registered.

Lamarre Freres, hardware, paint and oil merchants, Montreal, have registered.

G. W. McKay, general merchant, Moncrieff, Ont., has sold out to J. A. McKay.

A. McLarty, machinist, Portage la Prairie, Man., is succeeded by S. Robinson.

Marie Honorine Chamberland has registered for E. Clement, leather merchant, Quebec.

C. W. Gaetz, general merchant, Pine Lake, N.W.T., has sold out to C. D. Jermyn.

Simon Dragon, general merchant, Fernie, B.C., is succeeded by Dragon & Stensick.

J. R. McLaurin, general merchant, Vankleek Hill, Ont., has sold out to John S. McIntosh.

James Thompson, general merchant, East Templeton, Que., is succeeded by X. Mongeon.

G. H. Karstedt, tinware merchant, Georgetown, Ont., has sold out to Esther J. Karstedt.

Morkill & Whitworth, lumber and implement agents, Lowe Farm, Man., are succeeded by E. McTavish.

John White has registered at Halifax under the style of John White & Co., tinware merchants, Halifax.

Emilien and Wilfrid Lupien, sawmill owners, have registered at West Wickham, Que., under the style of Lupien & Lupien.

FIRES.

Robert Paul, sash, blinds, etc., Newburgh, Ont., has lost slightly by fire.

Charles Galbraith, blacksmith, North Augusta, Ont., has been burned out.

James York's sash and door factory at Chesterville, Ont., was recently burned.

T. E. Warren & Co., general merchants, North Augusta, Ont., have been burned out.

A. N. McLean & Co., lumber merchants, Windsor, Ont., have sufffered loss by fire.

Edwin Stickney's foundry and machine shop at Newburgh, Ont., has been burned.

The mill of John Cooper, lumber merchant and stavemill owner, Wallaceburg, Ont., was burned.

The Alex. Fleck Co., Limited, machinists and founders, Ottawa, were slightly damaged by fire; the premises were insured.

DEATHS.

Thomas McCrum, gunsmith, Brockville, Ont., is dead.

Samuel Chapman, harnessmaker, Sussex, N.B., is dead.

W. K. Karns, general merchant, Treadwell, Ont., is dead.

Wm. Reardon, brush and broom manufacturer, Ottawa, is dead.

J. Wesley Ross, wood merchant, North East Margaree, N.S., is dead.

Daniel MacLaren, of MacLaren & Co., general merchants, Strathcona, N.W.T., is dead.

WIRE ROD AND WIRE NAIL PRODUCTION.

According to The Bulletin of the Iron and Steel Association the production of iron and steel wire rods in the United States in 1901 amounted to 1,365,934 gross tons, against 846,291 tons in 1900, 1,036,398 tons in 1899 and 1,071,683 tons in 1898, showing an increase of 519,643 tons, or over 61 per cent., in 1901 as compared with 1900. Of the total production in 1901, 1,365,459 tons were steel and 475 tons were iron rods. The following gives the production (in gross tons) in the last three years:

States	1899.	1900.	1901.
Mass., Conn., Rhode Island, New York and New Jersey.	139,945	134,502	176,101
Pennsylvania	319,058	240,533	386,037
Kentucky, Alabama and Ohio	312 620	244,731	422,679
Indiana and Illinois	264,775	226,525	381,117
Totals	1 036,398	846,291	1,365,934

Pennsylvania made the largest quantity of wire rods in 1901, with Illinois a close second, Ohio third, and Massachusetts fourth. Seven other States, Rhode Island, Connecticut, New York, New Jersey, Kentucky, Alabama and Indiana, also rolled wire rods in 1901. With the exception of Rhode Island, which first rolled rods in 1901, all the States named also produced rods in 1900. The production of steel wire nails in the United States in 1901 amounted to 9,803,822 kegs of 100 lb., as compared with 7,233,979 kegs in 1900, an increase of 2,569,843 kegs, or over 35 per cent. In 1899 the production amounted to 7,618,130 kegs, in 1898, to 7,418,475 kegs, in 1897, to 8,997,245 kegs, in 1896, to 4,719,869 kegs, and in 1895, to 5,841,403 kegs. The wire nails produced in 1901 were manufactured by 61 works, as compared with 56 in 1900. The production in 1901 was greatly in excess of that of any other year, exceeding by 906,577 kegs that of 1897, the next year of largest production. The following gives the production of wire nails in 1900 and 1901 in kegs of 100 lb.:

States.	1900.	1901.
Mass., Rhode Island and Con	212,584	71,553
New York	63,466	136,118
Pennsylvania	2,158,399	3,118,508
Md., W. Va., Ky., Ala. and Ohio	2,516,391	3,613,894
Indiana and Illinois	2,195,672	2,716,748
Mich., Wisconsin and California	87,467	127,001
Totals	7,233,979	9,803,822

What do you require in the way of

CANS?

We manufacture the very best quality of

Paint and Color Cans, round and square.
Varnish and Oil Cans. Paint Irons
Paint Packages. Lye Tins.

and every description of Tin or Can required by the trade. We shall be pleased to send you quotations for anything you need in our line.

The Acme Can Works,

OFFICE AND FACTORY:

Ontario St. and Jeanne D'Arc Ave.,

MONTREAL.

JAS. B. CAMPBELL. WILLIAM PRATT.



THE "NEW GEM" SAFETY RAZOR.

Shaves the STRONGEST as well as the MILDEST BEARDS - utterly impossible to cut the face. It is the Simplest and Surest shaving device ever invented. The AUTOMATIC STROPPING MACHINE KEEPS THE BLADES IN KEEN CUTTING ORDER – a novice gets as good results as an expert. Sold by leading CUTLERY and JEWELERY dealers all over the civilized world, or mailed post-paid by the makers at the following prices:

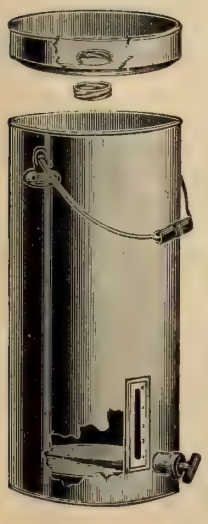
Razor, in Tin Box	$2.00
Razor, with Two Blades, in Handsome Morocco Case	3.50
Automatic Stropping Machine, with Strop	2.00

When making your purchase be SURE and take none without the above "Trade Mark" and "Guarantee Ticket." It permits you to have the Blades REHONED or RESHARPENED FREE OF CHARGE. Catalogue Mailed Free from the following distributing agents: **Montreal**–Caverhill, Learmont & Co.; **Quebec**–Chinic Hardware Co.; **Berlin**–Jno. Fennell & Son; **Hamilton**–Wood, Vallance & Co.; **St. John, N.B.**–Kerr & Robertson; **Halifax, N.S.**–A. M. Bell & Co.; **Winnipeg, Man.**–J. H. Ashdown Hardware Co.; **Vancouver, B.C.**–McLennan, McFeely & Co.; **Victoria, B.C.**–M. & H. A. Fo ; or direct from the makers, **The Gem Cutlery Co.**: Works - 34 Reade St., **N.Y.C.**; 9 London St., E.C., **London**; 9 Pickhuben St., **Hamburg, Germany.**

Dealers can be supplied at a large discount from the above firms.

A Good Trade

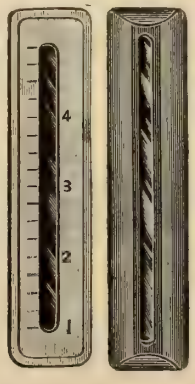
does not necessarily imply buying at a reduction. It means an exchange in which each is gainer.



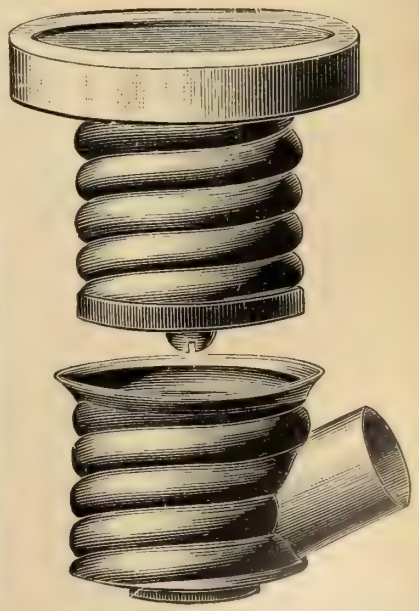
Practical Dealers Cannot Fail
to appreciate the good features of our

"SLIP COVER"
Creamer Trimmings

THEY make a quick Cover to ADJUST, permit the full submerging of the Can, are made to lock, Cover can be used as MILK STRAINER, and are same price as old style.



Front view. Back view.
Short, Tight,
Easily Soldered.



Cheaper, Neater, Cleaner, Stronger than any other top made. Will not stick nor rust.

They teem with selling points, and will largely increase your trade.

THE THOS. DAVIDSON MFG. CO., Limited

ESTABLISHED 1869. MONTREAL, CANADA. INCORPORATED 1895.

MANITOBA MARKETS.

WINNIPEG, April 28, 1902.

WHOLESALE houses are still busy, and, owing to the great delay in getting goods forward, are still occupied in getting spring goods out. A number of new stores have started in various parts of the Province, and this has been an additional incentive to business.

The only change in price reported for the week is the further advance in harvest tools, the quotation now being 60 per cent. as against 60 and 10 per cent. last week. Indications are that sales of harvest tools will be very heavy this year. In paints, oils and glass, the trade is heavy and steady, with no change in prices to record. The advance in the price of gasoline in the United States has not as yet effected prices here, but an advance is expected next week.

Implement men are winding up their spring business, which is reported both heavy and satisfactory.

BINDER TWINE—Business is practically at a standstill here at present, and the opening list of prices is nominally quoted.

The price list for the week is as follows :

Barbed wire, 100 lb	$3 30
Plain twist	3 40
Staples	3 95
Oiled annealed wire No. 10	3 85
" " 11	3 90
" " 12	3 95
" " 13	4 10
" " 14	4 25
" " 15	4 35
Galvanized wire, 6 to 8 gauge	4 00
" 9 "	3 50
" 10 "	4 05
" 11 "	4 20
" 12 "	3 65
" 13 "	3 75
" 14 "	4 45
" 15 "	4 60
" 16 "	4 75
Wire nails, 30 to 60 dy, keg	3 25
" 16 and 20	3 35
" 10	3 35
" 8	3 45
" 6	3 50
" 4	3 65
" 3	3 90
Coil chain, 3-16 inch	10½
" ¼ inch	8¾
" 5-16 inch	5½
" ⅜ inch	5¼
" 7-16 inch	5
" ½ to ¾ inch	4¾
Cut nails, 30 to 60 dy.	3 05
" 20 to 40	3 10
" 10 to 16	3 15
" 8	3 20
" 6	3 25
" 4	3 35
" 3	3 70
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to No 1	4 65
No. 2 and larger	4 40
Snow shoes, No. 0 to No. 1	4 90
No. 2 and larger	4 40
Steel, No. 0 to No. 1	4 95
No. 2 and larger	4 70
Bar iron, $2.70 basis.	
Swedish iron, $5.00 basis.	
Sleigh shoe steel	3 25
Spring steel	3 25
Machinery steel	3 75
Tool steel, Black Diamond, 100 lb	8 50
Jessop	13 00
Sheet iron, black, 10 to 20 gauge, 100 lb.	3 50
20 to 26 gauge	3 75
28 gauge	4 00
Galvanized American, 16 gauge	2 79
18 to 22 gauge	4 75
24 gauge	5 00
26 gauge	5 25
28 gauge	5 50
Genuine Russian, lb	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 75
26 gauge	8 00
28 gauge	8 50
Tinplate, IC charcoal, 20 x 28, box	11 00
" IX "	13 00
" IXX "	15 00
Ingot tin	33
Canada plate, 18 x 21 and 18 x 24	3 25
Sheet zinc, cask lots, 100 lb	7 00
Broken lots	7 50
Pig lead, 100 lb	6 00
Wrought pipe, black up to 2 inch	50 and 10 p.c.
" Over 2 inch	50 p.c.
Rope, sisal, 7-16 and larger	$13 50
" ⅜	14 00
" ¼ and 5-16	14 25
Manila, 7-16 and larger	17 00
" ⅜	17 50
" ¼ and 5-16	18 00
Solder	18
Cotton Rope, all sizes, lb	17
Axes, chopping	$ 7 50 to 12 00
" double bitts	12 00 to 18 00
Screws, flat head, iron, bright	87½
Round " "	82½
Flat " brass	80
Round " "	75
Coach	57½ p.c.
Bolts, carriage	50 p.c.
Machine	50 p.c.
Tire	60 p.c.
Sleigh shoe	65 p.c.
Plough	40 p.c.
Rivets, iron	50 p.c.
Copper, No. 8	26
" No. 12	30
Bluestone, cask lots	$5 50
Spades and shovels	40 p.c.
Harvest tools	60 p.c.
Axe handles, turned, s. g. hickory, doz.	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 75
No. 1	1 25
Files common	70, and 10 p.c.
Diamond	60
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	30 p.c.
" military	15 p.c.
American R.F.	30 p.c.
C.F. pistol	5 p.c.
C.F. military	10 p.c. advance.
Loaded shells :	
Eley's soft, 12 gauge black	16 50
chilled, 12 gauge	18 00
soft, 10 gauge	21 00
chilled, 10 gauge	23 00
Shot, Ordinary, per 100 lb	6 25
Chilled	6 75
Powder, F.F., keg	4 75
F.F.G.	5 00
Tinware, pressed, retinned	75 and 2½ p.c.
" " plain	70 and 15 p.c.
Graniteware, according to quality	50 p.c.

PETROLEUM.

Water white American	25½ c.
Prime white American	24c.
Water white Canadian	22c.
Prime white Canadian	21c.

BINDER TWINE.

Sisal and Standard f.o.b. Winnipeg	$ 11⅝
Manila, 550 feet	12⅞
Manila, 600 feet	14⅛
Pure Manila	15⅝

Five-ton lots ⅛c. less per lb., and car-lots ¼c. less.

SCRAP.

No. 1 cast iron	$13 to $14 per ton
No. 2 "	5 to 6 "
Wrought iron scrap	5 "
Copper (heavy)	7c. per lb.
Yellow brass (heavy)	8c. "
Light brass	5c. to 6c. "
Lead pipe, or tea lead	2c. to 2½c. "
Zinc scrap	1c. "

PAINTS, OILS AND GLASS.

Turpentine, pure, in barrels	$ 80
Less than barrel lots	85
Linseed oil, raw	85
Boiled	88
Lubricating oils, Eldorado castor	29
Eldorado engine	28½
Atlantic red	29½
Renown engine	41½
Black oil	20
Cylinder oil (according to grade)	55 to 74
Harness oil	65
Neatsfoot oil	90
Steam refined oil	85
Sperm oil	2 00
Pure castor oil, East India	11
Lubricating	10
Glass, single glass, first break, 16 to 25 united inches	2 50
26 to 40 per 50 ft.	2 75
41 to 50 " 100 ft.	6 00
51 to 60 " " "	6 50
61 to 70 per 100-ft. boxes	7 00
Putty, in bladders, barrel lots per lb.	2½
kegs "	2¾
White lead, pure per cwt.	6 50
No. 1 "	6 00
Prepared paints, pure liquid colors, according to shade and color, per gal.	$1.30 to $1.50

NOTES.

The Brandon Hardware Co., Limited, has been incorporated, and will take over the business of The Jas. Robertson Co.

Representatives of some of the large linseed oil mills in Minnesota are now looking over the ground here with a view to establishing mills.

The Winnipeg linseed oil mill has closed for the season after a run of about six months. It will not open again until the new crop comes in.

Merrick, Anderson & Co. have been appointed agents for the Imperial standard scales, and will not only carry a large stock here, but are putting in a scale-repairing department in connection with their business.

PERSONAL MENTION.

Mr. Samuel A. Crowell, of S. A. Crowell & Co., wholesale and retail hardware merchants, Yarmouth, N.S., paid a visit to Montreal this week, accompanied by his wife and daughter.

The Canadian representative of Jenkins Bros., Boston, Mr. W. R. Stavert, has started on a tour of Ontario. He will visit the hardware trade as far west as Sault Ste. Marie.

H. M. Davies, treasurer of The Dominion Iron and Steel Company, Sydney, C.B., has resigned to accept the management of an extensive cement industry at Rochester, N.Y.

NAILS
Right Prices
Quick Shipments
Quality Guaranteed
Also
STAPLES
Write, Telegraph or Telephone
Page Wire Fence Co.
Limited
Walkerville, Ontario

John Bowman

HARDWARE & COAL CO.

LONDON, ONT.

Our stock of goods for the spring trade is now complete, and we can fill all orders promptly on the following lines :

Wire, Nails, Cordage, Window Glass, White Lead, Paints, Whiting, Churns, Linseed Oil, Spades and Shovels, Screen Doors, Wove Wire, Poultry Netting, Builders' Hardware, Guns and Sporting Goods. Finest stock in the Province of Cutlery.

Prompt Shipment. Prices Right.



We would call your attention to our **DOMINION** Steel Wire Nails. Best Wire Nails made. A full line of standards always in stock. Any special Nail made to order.

WE ALSO MANUFACTURE

STEEL Wire for all purposes.
BRASS and COPPER Wire.
BRIGHT Wire Goods.
WOOD SCREWS, Jack Chain.
Galvanized and Barbed Fencing.
Cotter Pins, Staples.
"Crescent" Hat and Coat Hooks.

All our packed goods are put up in strong and attractive packages. Be sure you get **DOMINION** goods.

MANUFACTURED ONLY BY

DOMINION WIRE MANFG. CO., LIMITED

MONTREAL

Locks and Builders' Hardware.

We have a most complete line of all these goods, including the very newest ideas in

Bronze and Brass Knobs, Door Sets and Escutcheons.

LOCKS AND LATCHES OF ALL KINDS.

Any dealer asking for a catalogue will be sent full prices, discount sheets, etc., etc. Drop a card.

ESTABLISHED 1843. **INCORPORATED 1893.**

THE Gurney-Tilden Co., LIMITED

Hamilton. Toronto. Montreal.

AGENCIES:—ST. JOHN, N. B., VANCOUVER, B. C.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

Montreal, May 2, 1902.

HARDWARE.

THE trade of the week has been quite satisfactory all round, showing a considerably larger volume than for the same period of last year. All such lines as screen doors and windows, garden hose, poultry netting, lawn mowers and shears, fishing tackle, etc., etc., are moving well. Ice-cream freezers have also begun to sell rapidly. Cut nails have been advanced, and are now on a base of $2.45 instead of $2.35. It is expected that wire nails will soon follow this advance, but how soon cannot be determined. Pressed spikes are now discounted at 22½ per cent. instead of 25 per cent. A new shoe finders' discount sheet has been issued. The changes made are in shoe nails, in iron and soft steel, which are both 60 per cent. off now, and in clinch points, brass, which are discounted at 45 per cent. The prices fixed by the Canadian Handle Association last week give an advance in some cases. Second growth in extra ash goods are now discounted to the trade at 25 per cent.; all other grades, in ash goods, 35 per cent.; extra Nos. 1 and 2 hickory sledge hammer and hatchet handles, 50 per cent.; all other lines and grades in hickory goods, 35 per cent. Terms, four months, or 3 per cent. off for cash in 30 days.

SCYTHES.—There is a continued improvement in the trade in scythes. Business this week has been very good. We quote: Lance, No. 80, $5.50; Hurd's Clipper, $6.50; concave, $7.50; Sibley, $8.50; Cradle scythes, cast steel, $8.50; silver steel, $9.50; "Harvest King," $10.50. Bush scythes, $6.50.

BARB WIRE.—The inquiry for barb wire keeps up well, but supplies are becoming scarcer and some jobbers are having a little difficulty in filling all orders as promptly as they would wish. The price per 100 lb. f.o.b. Montreal is $3.

GALVANIZED WIRE.—A fairly good business is being done. We quote as follows: Nos. 6, 7 and 8 gauge, $3.45; No. 9, $2.80; No. 10, $3.55; No. 11, $3.65; No. 12, $2.95; No. 13, $3.05; No. 14, $4.05; No. 15, $4.55; No. 16, $4.80; No. 17, $5.20; No. 18, $5.45.

SMOOTH STEEL WIRE.—There is nothing new to report in this market. Trade is not active. We quote as follows: Bright iron and annealed on a base of $2.60 per 100 lb. f.o.b. Montreal, Toronto, Halifax, London, Hamilton and St. John. Net extras per 100 lb. are as follows: Coppered wire, 60c.; tinned wire, $2; oiling, 10c.; spring wire, $1.25; best steel wire, 75c.; bright soft drawn, 15c.; special hay-baling wire, 30c.

FINE WIRE.—The market has shown no improvement, and business is still quiet. The discount remains at 22½ per cent.

BRASS AND COPPER WIRE.—There is not much doing. Discount, 60 per cent.

FENCE STAPLES.—These are among the most active lines in the hardware trade at present. The demand, however, is somewhat greater than the supply. We quote: Bright, $2.90 per 100-lb. keg; galvanized, $3.25. An extra of 25c. is charged for 25 and 50-lb. packages.

WIRE NAILS.—The demand for wire nails is fairly good, and some dealers are looking for higher prices in the near future. We quote as follows: $2.55 for small lots and $2.50 for carlots f.o.b. Montreal, London, Hamilton, Toronto, Gananoque, Brantford, Windsor, Ont., St. John and Halifax.

CUT NAILS.—As was anticipated, an advance of 10c. has been made in cut nails, and the present price is $2.45 per keg, in small lots, and $2.37½ in carlots. There is a good demand. Flour barrel and coopers' nails are discounted at 40 per cent.

HORSE NAILS.—Business is still quiet active, and prices are unchanged. We quote: "C" brand, 50 and 7½ per cent. off; "M" brand, for "Oval" and "New City" heads, 60 per cent. off, and for "New Countersunk" heads, 66 2-3 per

When King "Sol" Decides.

Old King "Sol" may decide to give us hot weather any day now, and the chances are he won't give much notice.

When he does there will be a sudden rush of your customers for warm-weather goods, and if you do not have them in stock you'll lose the cream of the trade.

Telephone, Telegraph, or Write for any of the following goods and we'll ship them the same day:

"LEONARD CLEANABLE" AND "MODEL" REFRIGERATORS

"WHITE MOUNTAIN" ICE CREAM FREEZER

"DANGLER," "GOLDEN STAR," "SUMMER QUEEN," and "TRIUMPH" OIL STOVES.

The McClary Manufacturing Co.,

LONDON, TORONTO, MONTREAL, WINNIPEG, VANCOUVER, AND ST. JOHN, N.B.

"Everything for the Tinshop"

ENGLISH
GERMAN
BELGIAN
CANADIAN
AMERICAN
} PORTLAND CEMENTS.

FIRE
BUILDING
ENAMELLED
SILICA
MAGNESIA
} BRICKS.

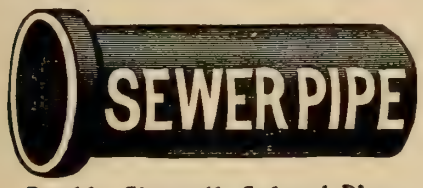
DRAIN
CULVERT
} PIPES.

F. HYDE & CO.

31 WELLINGTON ST., MONTREAL

. . FULL STOCK . .

Salt Glazed Vitrified



Double Strength Culvert Pipe a Specialty.

THE CANADIAN SEWER PIPE CO.

HAMILTON, ONT. TORONTO, ONT.
ST. JOHNS, QUE.

Deseronto Iron Co.

LIMITED

DESERONTO, ONT.

Manufacturers of

CHARCOAL PIG IRON

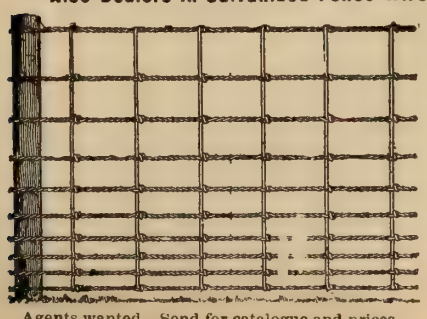
BRAND "DESERONTO."

Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

The Oshawa Wire Fence Co.

OSHAWA, ONT. Limited

Manufacturers of . . .
Woven Wire Fencing, Gates, Etc.
Also Dealers in Galvanized Fence Wire.



Agents wanted. Send for catalogue and prices.

cent. off. "Monarch" horse nails are also discounted at 66 2-3 per cent.

HORSESHOES.—The demand keeps up. Our quotations are as follows: Iron shoes, light and medium pattern, No. 2 and larger, $3.50; No. 1 and smaller, $3.75; snow shoes, No. 2 and larger, $3.75; No. 1 and smaller, $4.00; X L steel shoes, all sizes, 1 to 5, No. 2 and larger, $3.60; No. 1 and smaller, $3.85; feather-weight, all sizes, $4.85; toe weight, steel shoes, all sizes, $5.95 f.o.b. Montreal; f.o.b. Hamilton, London and Guelph, 10c. extra.

SCREWS.—There is a very good business doing in screws, and the market is steady at our present quotations. The discounts are: Round head bright, 82½ and 10 per cent.; flat head bright, 87½ and 10 per cent.; brass, round heads, 75 and 10 per cent.; brass, flat heads, 80 and 10 per cent.

BOLTS.—The trade during the past week in bolts and nuts has been satisfactory all round, and no quotable change has occurred. Our quotations are as follows: Norway carriage bolts, 55 per cent.; common, 50 per cent.; full square carriage bolts, 55 per cent.; machine bolts, 50 and 5 per cent.; coach screws, 66 2-3 per cent.; sleigh shoe bolts, 65 and 5 per cent.; blank bolts, 50 and 5 per cent.; bolt ends, 50 and 5 per cent.; plough bolts, 50 and 5 per cent. To any retailer an extra discount of 10 per cent. is allowed. Tire bolts, 67½ per cent.; stove bolts, 67½ per cent. Nuts, square, 3¼ per lb. off list; hexagon nuts, 3¾c. per lb. off list. To all retailers an extra discount of ¼c. per lb. is allowed.

BUILDING PAPER.—This continues to sell rapidly at current prices. We quote: Tarred felt, $1.70 per 100 lb.; 2-ply, ready roofing, 85c. per roll; 3-ply, $1.10 per roll; carpet felt, $2.25 per 100 lb.; dry sheathing, 30c. per roll; tar sheathing, 40c. per roll; dry fibre, 50c. per roll; tarred fibre, 60c. per roll; O K and I X L, 65c. per roll; heavy straw sheathing, $30 per ton; slaters' felt, 60c. per roll.

CORDAGE.—Business is going along at a good pace, and the market is steady. Quotations follow: Manila, 16c.; British manila, 14½c.; sisal, 13c.; lathyarn, 11½c. Prices on binder twine are as follows: Blue Ribbon, 650 feet to the pound, 15c.; Redcat, 600 feet to the pound, 14c.; Tiger, 550 feet to the pound, 13c.; Standard, 500 feet to the pound, 11½c.; sisal, 500 feet to the pound, 11½c. Prices are subject to a rebate of ¼c. in carload lots.

RIVETS AND BURRS.—There is no change in prices. The market is steady under a good demand. Quotations are: Best iron rivets, section, carriage, and wagon box, black rivets, tinned do., coopers' rivets and tinned swedes rivets, 60 and 10 per cent.; swedes iron burrs are quoted at 55 per cent. off; copper rivets, with the usual proportion of burrs, 45 and 10 per cent. off, and coppered iron rivets and burrs, in 5-lb. carton boxes, are quoted at 60 and 10 per cent. off list.

SCREEN WIRE CLOTH.—The price per 100 square feet for screen wire cloth is $1.37½. The market is active.

POULTRY NETTING.—The inquiry for poultry netting is active, and no change has been made in the price. Canadian or English is discounted as follows: 60 per cent. off 2 x 2 mesh, 19 wire, and 55 per cent. off 2 x 2 mesh, heavier, Canadian list.

HARVEST TOOLS.—No further change

IRON STEEL AND METALS

Close prices to wholesale buyers.

Sanderson's Steel in stock.

A. C. LESLIE & CO.

MONTREAL.

THE R. McDOUGALL CO., Limited,
GALT, ONT.

Manufacturers of



Iron and Brass PUMPS

FOR ALL SERVICES.

FORCE PUMPS,
LIFT PUMPS,
CISTERN PUMPS,
HAND OR POWER PUMPS
OF ALL KINDS.

Catalogue for the asking.

OUR MOTTO: "The best quality and right prices."

ADAM HOPE & CO.

Hamilton, Ont.

We offer for prompt shipment

Pig Tin,
L. & F. and STRAITS.
Ingot Copper, O.C.
Pig Lead.
Spelter.
Antimony.

NOVA SCOTIA STEEL & COAL CO., Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

OPEN HEARTH STEEL.

DON'T YOU THINK



it would be good business to stop your opposition from taking some of your trade away if you knew how to do so? The best way we know of is to keep him from getting the agency for

Elastilite Varnish.

It gives your store a good name, because it satisfies all customers all the time.

In tins only—from ½-pints to 1-gallon.

MANUFACTURED ONLY BY

The Imperial Varnish & Color Co. LIMITED

Toronto, Ont., Canada.

Canadian Agents for Buehne's "Red, White and Blue" Brand Steel Wool.

"Ark Brand" Paint

will please your customers.

We know it.

It pleses the customers of those who have secured the agency for their town.

They tell us so, and their sales indorse it.

Secure the agency for your town.

We back all we claim of "Ark Brand" with a strong guarantee.

THE FRANCIS-FROST CO. Limited

TORONTO.

Canadian Distributing Agents for Grippin's Crack Filler.

has occurred since the advance of last week. The whole advance in harvest tools is now about 33 1 3 per cent. The discount is 60 per cent.

FIREBRICKS.—The market remains quiet and featureless. We quote: Scotch, $19 to $23.50, and English, $18.50 to $22.50 per 1,000.

CEMENT.—Nothing new has occurred. Jobbers are still awaiting the first shipments. Our quotations are as follows: German cement, $2.30 to $2.40; English, $2.25 to $2.35; Belgian, $1.70 to $1.95 per bbl. ex-wharf, and American, $2.20 to $2.30 ex-cars.

METALS.

The local market for almost all kinds of metals is active, with firm prices. Ingot tin is scarce and higher. In Canada plates, 52 sheets, we quote a lower price this week. Bar iron has been advanced by some houses, while others still sell at the old figure. On the English markets there have been no further advances, and though the position of all metals is still strong, the continual advances have ceased for the time.

PIG IRON.—There is still a fair amount of business passing in pig iron. The price of Canadian is $18.50 to $19 and of Summerlee, $21 to $21.50.

BAR IRON.—Some sizes in this are very scarce. A considerable quantity of English has been coming into this market recently, and this has had some effect on the market. The price of merchants' bar, in small lots, has been advanced to $2 by the majority of the houses. But except in very small quantities, other jobbers are still quoting $1.95. Horseshoe iron remains at $2.20. The demand for bar iron has been very heavy, and the reason for the advance given by those houses quoting it is merely that of supply and demand.

BLACK SHEETS.—These are moving rapidly, and stocks on hand have become very small. We quote as follows: 28 gauge, $2.65; 26 gauge, $2.60; 20 to 21 gauge, $2.50, and 8 to 20 gauge, $2.50.

GALVANIZED IRON.—There is an active inquiry and the market is fully as firm as ever. We quote as follows: No. 28, Queen's Head, $4.10; "Bell" brand, $4.30; Apollo, 10¾ oz., $4.40; Comet, $4.25, with 10c. extra for less than case lots.

INGOT COPPER.—The price of ingot copper has not been changed from 14c. Business is about as usual and shows no improvement.

INGOT TIN.—There has been an advance of 1c. in Straits, which is now quoted at 31c. This is likely to be advanced another cent before a week's time. There is not any great demand, but supplies are hard to obtain, and the market is firm in consequence.

PIG LEAD.—There has been no change in this market. Trade continues on the quiet side, and the price is unchanged from $3.25.

LEAD PIPE.—The market is fairly active at the prices we quote, which are unchanged from last week. Composition waste sells for 7½c., and ordinary for 7c. The discount is 37½ per cent.

IRON PIPE.—There is a very good demand for iron pipe. No quotable change has occurred, and quotations are as follows: Black pipe, ⅛, $3; ¼, $2.40; ⅜, $2.65; ½, $3; ¾, $3.70; 1-in., $5.25; 1¼, $7.40; 1½, $8.90; 2-in., $12.40. Galvanized, ¼, $3.20; ⅜, $3.45; ½, $4; ¾, $5.05; 1-in., $7.25; 1¼, $10.10; 1½, $12.15; 2-in., $16.70. Extra heavy pipe, plain ends, are quoted, per 100 ft., as follows: Black, ½, $4.35; ¾, $5.30; 1-in., $7.60; 1¼, $10.60; 1½, $12.70; 2-in., $17.45. Galvanized, ½, $5.35; ¾, $6.70; 1-in., $9.60; 1¼, $13.30; 1½, $15.95; 2-in., $21.75. For threads and couplings 5 per cent. is added.

TINPLATES.—There has yet been no advance made in the price of tinplates on this market, but the feeling is somewhat stronger. Charcoal tinplates are quoted at $4.75 to $5.25. The price of cokes is $4.25 per box.

CANADA PLATE.—Although we quote a lower price this week for large quantities of Canada plates, 52 sheets, this is not to be taken as an indication that the market is easier. On the contrary, it retains all its firmness, under an excellent demand. There is an active inquiry now for Canada plates for roofing purposes. The market has further been cleaned up by a Toronto firm, which bought up all the goods procurable in Montreal. We quote: 52's, $2.70 to $2.80; 60's, $2.85 to $2.90; 75's, $2.80 to $2.85; full polished, $3.75, and galvanized, $4.25 to $4.35.

STEEL.—There is a good demand for steel at the prices here given: Sleighshoe, $2.10; tire, $2.15; bar, $2.05; spring, $2.85; reeled machinery, $2.85; toecalk, $2.70.

SHEET STEEL.—The inquiry for sheet steel is not active, and the market has not noticeably improved over a week ago. Our quotations are as follows:

Nos. 10 to 20, $2.50; 3-16, $2.50; ¼, 5-16 and ⅜, $2.40.

TOOL STEEL.—The market is quiet and featureless. No quotable change has occurred. Jessop's is quoted at 13c.; Diamond, 8c., and Leonard's at $7.50 per 100 lb.

TERNE PLATES.—There is still only a small amount of business passing, and the price remains at $7.75 to $8.

COIL CHAIN.—Since the advances of a week ago no further changes have occurred in the price of chain. A moderate trade is being done at the following quotations: No. 6, 12½c.; No. 5, 10½c.; No. 4, 10c.; No. 3, 9½c.; ¼-inch, 7¼c. per lb.; 5-16, $5; 5-16 exact, $5.25; ⅜, $4.25; 7-16, $4.05; ½, $3.95; 9-16, $3.85; ⅝, $3.55; ¾, $3.50; ⅞, $3.45; 1-inch, $3.45. In carload lots an allowance of 10c. is made.

SHEET ZINC.—The market is quiet. An advance of 10c. has been made, which brings the price up to $5.85 to $6.25.

ANTIMONY.—There is still a very small demand for antimony, and the market is quiet and steady. The price is unchanged from 10c.

ZINC SPELTER.—The price of spelter remains at 5c. The feeling on the primary market is steadier, and no further advance was made. Locally, there is a moderate inquiry.

SOLDER.—The market for solder is quite active and there is a firmer feeling in sympathy with the advance in tin. We still quote, however, 18c. for bar solder and 20c. for wire solder.

PAINTS AND OILS.

The sharp revival of the demand for paris green forms the chief feature of the paint and oil market this week. As is usual in May, when the first few days of warm weather make their appearance, paris green is bought largely for spraying purposes, and this important article, which has been rather sluggish for some time, now bids fair to be in lively demand for the next two months. Turpentine has not changed in price. The market has certainly shown no further weakness, and is considered by most operators to be in a stronger condition. Linseed oil is still scarce on the local market, and will continue to be so until the first arrivals from England, which are expected in a week or ten days. Even with the new oil here, though, the market is not likely to be materially affected, for there are only sufficient goods on the way now to supply the demand for immediate consumption. We quote as follows:

WHITE LEAD.—Best brands, Government standard, $5.87½; No. 1, $5.50; No. 2, $5.12½; No. 3, $4.75; No. 4, $4.37½ all f.o.b. Montreal.

DRY WHITE LEAD.—$5.25 in casks; kegs, $5.50.

DRY WHITE ZINC.—Pure dry, 6¼c.; No. 1, 5¼c.; in oil, pure, 7¼c.; No. 1, 6¼c.; No. 2, 5¼c.

PUTTY.—We quote: Bulk, in bbls., $1.90 per 100 lb.; bulk, in less quantity, $2.05; bladders, in bbls., $2.25; bladders, in 100 or 200-lb. kegs or boxes, $2.40; in tins, $2.55 to $2.65; in less than 100-lb. lots, $3 f.o.b. Montreal, Ottawa, Toronto, Hamilton, London and Guelph. Maritime Provinces, 10c. higher, f.o.b. St. John and Halifax.

ORANGE MINERAL.—Casks, 7c.; 100 lb. kegs, 7¼c.; smaller quantities, 8¼c.

RED LEAD.—Genuine red lead, in casks, $4.50; in 100-lb. kegs, $4.75; in less quantities, $5.75 per 100 lb. No. 1 red lead, casks, $4.25; kegs, $4.50, and smaller quantities, $5.50.

LITHARGE.—Ground, casks, 5c.; less quantities, 5½c.; flake litharge, casks, $5.25; smalls, $5.75 per 100 lb.

LINSEED OIL.—Raw, 80c.; boiled, 83c. In 5 to 9 barrels, 1c. less. Terms, net cash in 30 days. Delivered in Ontario, between Montreal and Oshawa, at 2c. per gallon advance, and freight allowed.

TURPENTINE.—Single barrels, 70c.; 2 to 4 barrels, 69c. Terms, net cash in 30 days.

SHELLAC VARNISH.—Pure white, $2.35 to $2.45; orange, $2.25 to $2.35.

MIXED PAINTS.—$1.20 to $1.45 per gallon.

CASTOR OIL.—8¾ to 9¼c. in wholesale lots, and ½c. additional for small lots.

SEAL OIL.—47½ to 49c.

COD OIL.—32½ to 35c.

PARIS GREEN.—Petroleum, bbls., 16¾c. per lb.; arsenic kegs, 17c.; 50 and 100-lb. drums, 17½c.; 25-lb. drums, 18c.; 1-lb. packages, 18½c.; ½-lb. packages, 20½c.; 1-lb. tins, 19½c.; ½ lb. tins, 21½c. f.o.b. Montreal. Terms: 3 per cent. 30 days, or four months from date of delivery.

SCRAP METALS.

The local price of iron has been somewhat affected by the fact of the rolling mills having placed heavy orders for foreign scrap, to arrive on the opening of navigation. But, taking the market as a whole, it continues very firm. A few American buyers have continued to visit this market, but the demand on United States account is mostly for some special orders, the prices in that market not warranting their buying here and paying a heavy duty. The prices remain unchanged, and our quotations are now as follows: Heavy copper and wire, 11c. per lb.; light copper, 8c.; heavy red brass, 11c.; heavy yellow, 9c.; light brass, 5c.; lead, 2⅝ to 2¾c.; zinc, 2¼c.; iron, No. 1, wrought, $17; No. 2, $7 per ton; machinery scrap, $15; stove plate, $10 to $11; malleable and steel, $5; mixed country rags, 60 to 70c. per 100 lb.; old rubbers, 6¼c. per lb.

GLASS.

There is nothing new to report in this market. A batch of invoices were received last week, and shipments are expected to arrive shortly. We quote as follows: First break, 50 ft., $2.10; second, $2.20 for 50 ft.; first break, 100 ft., $4; second break, $4.20; third break, $4.70; fourth break, $4.95.

HIDES.

There is a fairly good business doing in hides and skins. Calfskins are plentiful and unchanged in price. Sheepskins are 5c. higher, and beef hides, which are becoming scarce, show signs of advancing. Some advances have taken place already, it is rumored. We quote: No. 1 hides, 9c.; No. 2, 8c.; No. 3, 7c. No. 1 calfskins, 12c. Sheepskins, 70c. Lambskins, 10c. per lb.

MONTREAL NOTES.

Sheepskins are up 5c.

Cut nails are 10c. higher.

Pressed spikes have advanced, and are now discounted at 22½ per cent.

Ingot tin has gone up 1c., and a further advance is expected next week.

We have on hand a large stock of steel sheets for making

EMBOSSED CEILINGS,

etc., and are now prepared to make prompt shipment of anything required in our line, and shall be pleased to receive your orders, which shall have our best attention.

The Metallic Roofing Co.
LIMITED
Wholesale Manufacturers,
TORONTO, - - - CANADA.

ONTARIO MARKETS.

TORONTO, May 2, 1902.

HARDWARE.

BUSINESS has shown increased activity during the week, and the month promises to see a brisk trade in wholesale hardware. In all seasonable staple lines the demand is brisk. Fencing wires are not going out as briskly as they were. Wire nails are in fair demand. In bolts, nuts, and rivets and burrs business is characterized by its activity. Spades and shovels and harvest tools are going out well, and in the latter a further advance is looked for within the next few days. The movement is becoming brisk in lawn mowers. Builders' hardware is going out in large quantities in spite of the higher prices. There have been a few changes in prices during the past week. Cut nails have advanced 10c. per keg. The discount on pressed spikes has been reduced to 22½ per cent. New discounts are also out on shoe nails, and clinch and duck rivets. Poultry netting has been advanced 10 per cent. by the makers. Payments are as a rule fair.

BARB WIRE—There is a fair movement, although business is not as brisk as it was a week or two ago. This is no doubt due to the fact that the farmers are busily engaged in seeding. An improvement may be expected in the course of a few weeks. We quote as follows: F.o.b. Cleveland, $2.77½ for less than carlots, and $2.65 for carlots. From stock, Toronto, $3.

GALVANIZED WIRE—Trade has eased off a little, although there is still a fair movement. We quote as follows: Nos. 6, 7 and

8, $3.50 to $3.85 per 100 lb., according to quantity ; No. 9, $2.85 to $3.15 ; No. 10, $3.60 to $3.95 ; No. 11, $3.70 to $4.10 ; No. 12, $3 to $3.30 ; No. 13, $3.10 to $3.40 ; No. 14, $4.10 to $4.50 ; No. 15, $4.60 to $5.50 ; No. 16, $4.85 to $5.35. Nos. 6 to 9 base f.o.b. Cleveland are quoted at $2.52½ in less than carlots and 12c. less for carlots of 15 tons.

SMOOTH STEEL WIRE—There is some movement in oiled and annealed wire, but it is not brisk. We quote the base price, $2.60 per 100 lb. Oiling, 10c.; coppering, 60c., and tinning, $2 per 100 lb. extra. Delivery points, Toronto, Hamilton, London and Montreal, with freights equalized on those points.

FINE STEEL WIRE—Trade is steady. Discount is 22½ per cent.

WIRE NAILS — Trade is fairly good. Our quotations are : $2.55 for less than carlots, and $2.50 for carlots. Delivery points, Toronto, Hamilon, London, Gananoque and Montreal.

CUT NAILS — The base price has been advanced 10c. to $2.45 per keg. Very little business is being done. The change went into effect on April 29. The allowance on carlots is still 7½c.

HORSE NAILS—Trade is quiet, although there are indications that prices will be higher before long. It is said that, based on the present cost of material, the manufacturers are selling at practically a loss. Discounts are as follows : "C" brand, oval head, 50 and 7½ per cent., and on "M" and other brands, 50, 10 and 5 per cent. Countersunk head 60 per cent.

HORSESHOES—Trade is quiet, and in these, too, prices are claimed to be unsatisfactory. We quote f.o.b. Toronto as follows : Iron shoes, No. 2 and larger, light, medium and heavy, $3.60 ; snow shoes, $3.85 ; light steel shoes, $3.70 ; featherweight (all sizes), $4.95 ; iron shoes, No. 1 and smaller, light, medium and heavy (all sizes), $3.85 ; snow shoes, $4 ; light steel shoes, $3.95 ; featherweight (all sizes), $4.95.

PRESSED SPIKES—The price has been advanced, the discount being 22½ per cent. instead of 25 per cent. as formerly.

TACKS—New discounts have been issued on shoe and clinch and duck nails. Discount on shoe nails is now 60 per cent., and on clinch and duck nails 45 per cent.

SCREWS — Trade continues active. Discounts are as follows : Flat head bright, 87½ and 10 per cent.; round head bright, 82½ and 10 per cent. ; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.; round head bronze, 65 per cent., and flat head bronze 70 per cent.

RIVETS AND BURRS—The demand is as brisk as ever. We quote as follows : Iron rivets, 60 and 10 per cent.; iron burrs, 55 per cent.; copper rivets, with usual proportion of burrs, 45 and 10 per cent.; copper burrs alone, 30 and 10 per cent.

BOLTS AND NUTS—There is no falling off in the brisk demand that has characterized trade in bolts and nuts during the past week. We quote as follows : Carriage bolts, common ($1 list), 50 per cent.; carriage bolts, full square ($2.40 list), 55 per cent.; carriage bolts, Norway iron ($3 list), 55 per cent.; machine bolts, all sizes, 50 and 5 per cent.; coach screws, cone points, 66⅔ per cent. ; elevator shaft and whiffletree bolts, 50 per cent.

ROPE—Trade is fairly good in rope. We quote as follows : Pure manila, 16c.; British manila, 14½c.; sisal, 13c.; lathyarn, 12c ; sisal bed cord, 3 cord, 48 ft., 65c.; 60 ft., 80c.; 72 ft., 95c. per doz.

BINDER TWINE — Prices are firm and the demand fair. We quote : "Blue Ribbon," 650 ft., 15c.; "Red Cap," 600 ft., 14c.; "Tiger," 580 ft., 13c.; sisal, 500 ft., 11½c.

EAVETROUGHS, ETC.—Business is good in both eavetrough and conductor pipe. Eavetrough is quoted at $3.10 per 100 square feet for 10-inch, and conductor pipe at $4 for 3-inch and $5.25 for 4-inch.

SCREEN DOORS AND WINDOWS—Customers are pressing for delivery and shipments are going forward briskly. Common doors, 2 or 3 panel, are quoted f.o.b. factory points as follows : Walnut, stained, 3 - in. style, $6.80 per dozen ; stained, yellow, $7 ; natural color, oil finish, $8.15 ; 4 in. style, 20c. extra per dozen. Windows : No. 0, $1.60 ; No. 1, $1.70 ; No. 2, $1.95 ; No. 3, $2.10 ; No. 4. $2.50 per dozen.

SPADES AND SHOVELS—The demand is good and the manufacturers are said to be running short in some kinds. Discount 40 and 5 per cent.

HARVEST TOOLS—These are going out freely at the higher prices. Manufacturers are still behind with their orders. Discount 60 per cent.

BUILDING PAPER — A good trade is still being done at unchanged prices. We quote : Dry sheathing, grey or straw, 30c. per roll ; tar sheathing, grey or straw, 40c. per roll ; dry fibre, 50c. per roll ; tarred fibre, 60c. per roll.

LAWN MOWERS—Are in good demand and quite a number of shipments are being made. We quote : Discount on high-wheel mowers is 50 per cent.; "Star" mowers, 9 in. wheels, $2 50 to $3 ; "Daisy" mowers, 17-in. wheels, $2.25 to $2.50.

POULTRY NETTING—Prices have been advanced 10 per cent. by the manufactur-

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.
'WELLINGTON'
KNIFE POLISH
JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
Wellington Mills, London, England.
Agent:
JOHN FORMAN, 644 Craig Street
MONTREAL


COVERT MFG. CO.
West Troy, N.Y.
Steel Carriage and Wagon Jacks,
Harness Snaps, Chain, Rope and Web Goods, etc.
FOR SALE BY JOBBERS AT MFRS. PRICES.

PRIEST'S CLIPPERS


Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., USA

NEWMAN'S PATENT
INVINCIBLE FLOOR SPRINGS
Combine all the qualities desirable in a Door Closer. They work silently and effectually, and never get out of order. In use in many of the public buildings throughout Great Britain and the Colonies.
MADE SOLELY BY
W. NEWMAN & SONS, Birmingham.

Oneida Community Goods
HALTERS, COW TIES SNAPS, etc., etc.,
in all sizes and styles. May be had of all jobbers throughout Canada.
Factory—NIAGARA FALLS, ONT.

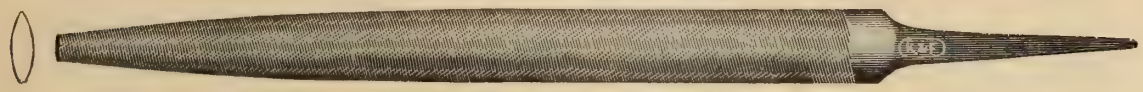
GARDEN AND ALL OTHER STYLES OF
WHEELBARROWS,
WASHING MACHINES,
ROUND AND SQUARE,
ROTARY AND REACTING.
Warehouse Trucks, Bag Trucks, Barrel Trucks, etc., etc.
WRITE FOR PRICES.
CLELAND BROS & CO.,
MEAFORD, ONT. (12)

THE NICHOLSON FILE CO.,

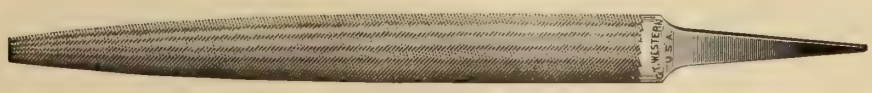
DOMINION WORKS, PORT HOPE, CANADA.

FILES and RASPS

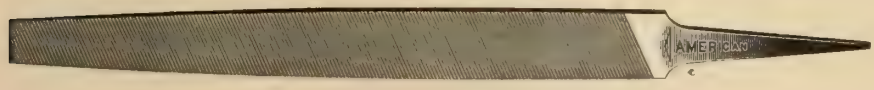
KEARNEY & FOOTE BRAND



GREAT WESTERN BRAND



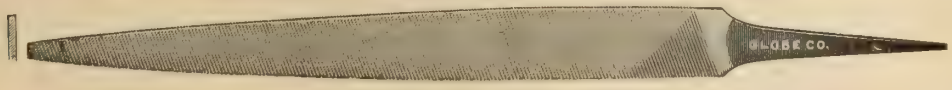
AMERICAN BRAND



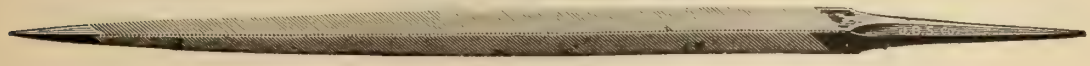
ARCADE BRAND



GLOBE BRAND



J. BARTON SMITH BRAND



The largest manufacturers in the world.

We manufacture the well-known brands of Cast-steel Files and Rasps shown herewith, all of which are warranted for high-class material and superior workmanship.

Our goods are now sold in the four quarters of the globe, command the highest prices, and have won for themselves an enviable reputation, acquired as the result of many years' experience.

Walter Grose, Montreal,

Selling Agent for the Dominion of Canada.

One or other of the above brands may be purchased from all prominent Hardware Merchants throughout the Dominion who carry an assorted stock.

ers. The season, however, is pretty well advanced, and the retailers have received the bulk of their supplies.

GREEN WIRE CLOTH—This is beginning to move fairly well. We quote $1.37½ per 100 square feet.

FENCING PLYERS—Some of the wholesale houses are sold out of fencing plyers and difficulty is being experienced in getting supplies.

BUILDERS' HARDWARE—There is a good deal of activity in this line, and dealers appear to be buying with a view to protecting themselves against the likelihood of another advance in prices.

SCALES—Prices are firm, and an advance within the next week is anticipated.

TINWARE AND ENAMELLED WARE — Business is keeping good.

REFRIGERATORS AND FREEZERS — The movement is brisk in both refrigerators and ice cream freezers.

GAS AND OIL STOVES—Business in this line is being well maintained.

HANDLES—There was a slight mistake in the prices quoted last week. The corrected figures are: Ash handles—Second growth and extra, 25 per cent.; other grades 35 per cent. off the list. Hickory handles—Sledge, hammer and hatchet handles, extra, No. 1 and No. 2, 50 per cent. off the list; all other grades of hickory handles, 35 per cent.

SPORTING GOODS—A good business is being done in ammunition, and a number of orders are being booked for guns and rifles.

CEMENT — Trade has much improved owing to a number of contracts for cement being closed. The market is still weak as there is keen competition amongst the manufacturers for the control of the trade. We quote as follows: Canadian Portland, $1.90 to $2 75; Canadian hydraulic, $1.25 to $1.50; German cement, $3; English, $3 to $3 15; Belgian, $2.50 to $2.75 per bbl., and American, $2 20 to $2 30 ex cars.

METALS.

Business continues good in metals. Iron, steel, tinplates, galvanized sheets, are firm. Copper is weak and tin is firmer.

PIG IRON—The market is strong with the furnace still fully supplied with orders. The nominal price for Canadian iron is $20 per ton.

BAR IRON—The scarcity is just as pronounced as ever, while the demand keeps active. We quote $1.95 to $2.05. Extras cut to length while rolling: 2 ft. and over, 10c. per 100 lb.; 1 ft. and under 2 ft., 15c.; under 1 ft. 20c.; over 20 ft. by special agreement, according to length and size.

STEEL The situation remains much as before. Deliveries are still slow, while the demand is fair. Quotations are as follows: Merchantable cast steel, 9 to 15c. per lb.; drill steel, 8 to 10c. per lb.; "B C" and "Black Diamond" tool steel, 10 to 11c.; Jessop's, Morton's and Firth's tool steel, 14c.; toe calk steel, $2.85 to $3; tire steel, $2.30 to $2.50; sleighshoe steel, $2.10 to $2 25; reeled machinery steel, $3; hoop steel, $2.90.

BOILER TUBES—These are scarce and higher in price. We quote, per foot: 1½, 1¾ and 4-in., 10c.; 2½-in., 17½c.; 3-in., 14c.

BOILER PLATES—These are practically unobtainable. Manufacturers in the United States advise importing houses in Canada that they are sold out of boiler plates until 1903, and cannot accept orders at any price. In view of this, prices are practically nominal, as those who have any can get whatever they choose to ask.

BLACK SHEETS — Trade is fair. We quote: Common, $3.15 for 28 gauge; and dead flat, $2.50 for 26 gauge.

CANADA PLATES — Trade keeps quiet. We quote: All dull, $3; half polished, $3.10; all bright, $3.75.

GALVANIZED SHEETS—Business continues active and prices are showing increased strength. We quote in case lots as follows. Queen's Head, $4.50 for 28 gauge; American, $4 40 for 29 gauge; Bell brand, $4.20 for 28 gauge.

PIG TIN—The market has again taken a firmer turn. On Wednesday the London market closed at an advance of £5 on spot tin and £1 17s. 6d. on futures.

Locally the market is dull at $29 to $30 per 100 lb.

TINPLATES—Business is keeping good. We quote I C at $4.25.

TINNED SHEETS — There is more going out than for some time previously. We quote : 70 x 30, up to 24 gauge, 7½c.; ditto, up to 26 gauge, 8c.

COPPER—The outside markets have ruled weak, although at the moment a steadier tone prevails. We quote ingot at $15 per 100 lb., and sheet copper at $22 to $23.

BRASS—Trade is fair. Discount 15 per cent.

PIG LEAD — The outside markets are steady and locally trade is quiet with prices unchanged. We quote pig lead at $3 50 to $3 75, and bar lead at $5.

IRON PIPE—There is a big demand from the West and Northwest, and prices are firm with an improved tendency. We quote per 100 ft.: ⅛ in., $3 ; ¼-in., $2.50; ⅜ in., $2 75 ; ½-in., $3 ; ¾-in., $3 70; 1 in., $5.25 ; 1¼ in., $7.40; 1½ in., $8 90; 2 in., $12.40; galvanized, 1-in., $7.25. Trade discount 4 per cent.

SPELTER — Trade is quiet and prices steady and unchanged at $5.50 to $6.

ZINC SHEET—There is not much doing. We still quote cask lots at $6 to $6.25, and part casks at $6.25 to $6.50.

SOLDER—The demand is good and prices firm. We quote : Half-and-half, guaranteed, 19c. ; do. commercial, 18½c. ; refined, 18c.; wiping, 17½c.

PAINTS AND OILS.

The feature this week is the decline of 2c. in turpentine owing to the weakness of the Southern market for that article. The stock on hand down there seems to be larger than was first supposed, and this is causing the prices to go down. The new crop will shortly be gathered, and then prices are expected to settle down to a steady basis. The stocks of raw and boiled linseed oil are becoming low with a number of local houses, and the oil manufacturers are behind with their orders. Some paint and oil firms report, however, that they have plenty of linseed oil on hand. The demand continues brisk for white leads in oil, varnishes and dry colors. There is also a big trade being done in ready-mixed paints. We quote :

WHITE LEAD—Ex Toronto, pure white lead, $5 87½ ; No. 1, $5.50 ; No. 2, $5.12½; No. 3, $4.75; No. 4, $4.37½ in packages of 25 lb. and upwards ; ½c. per lb. extra will be charged for 12½ lb. packages ; genuine dry white lead in casks, $5.12½.

RED LEAD—Genuine, in casks of 560 lb., $5 to $5.12½; ditto, in kegs of 100 lb., $5.50; No. 1, in casks of 560 lb., $4; ditto, kegs of 100 lb., $4 50.

LITHARGE—Genuine, 6 to 6½c.

ORANGE MINERAL—Genuine, 7½ to 8c.

WHITE ZINC—Genuine, French V.M., in casks, $6 to $6.25; Lehigh, in casks, $6.

SHINGLE STAIN—In 5-gal. lots, 60c. to $1.20 per gal.

BENZINE—In barrel lots, 17c. per gal.; less quantities, 25c. per gal.

PARIS WHITE—90c. to $1 per 100 lb.

WHITING—65c. per 100 lb. ; Gilders' whiting, 80c.

GUM SHELLAC—In cases, 35c.; in less than cases, 40c. per lb.

LIQUID SHELLAC—Pure orange, in bbls., $2 25 to $2.35 ; white, $2.35 to $2.45 per gal.; in less quantities, 10c. extra.

PUTTY—Bladders, in bbls., $2 25 ; bladders, in 100 lb. kegs, $2 40 ; bulk in bbls., $1.90 ; bulk, less than bbls. and up to 100 lb., $2.05 ; bladders, bulk or tins, less than 100 lb., $2 90.

PLASTER PARIS—New Brunswick, $1.90 per bbl.

PUMICE STONE—Powdered, $2.50 per cwt. in bbls., and 4 to 5c. per lb. in less quantity ; lump, 10c. in small lots, and 8c. in bbls.

LIQUID PAINTS—Pure, $1.20 to $1.40 per gal.; No. 1, $1.10 per gal.

CASTOR OIL—English, in cases, 9½ to 10c. per lb. and 10 to 10½c. for single tins.

LINSEED OIL—Raw, 1 to 4 barrels, 82c.; boiled, 85c.; 5 to 9 barrels, raw, 81c.; boiled, 84c., delivered. To Toronto, Hamilton and London, 2c. less.

TURPENTINE—Single barrels, 69c.; 2 to 4 barrels, 68c., delivered. Toronto, Hamilton and London 1c. less. For less quantities than barrels, 5c. per gallon extra will be added, and for 5-gallon packages, 50c., and 10-gallon packages, 80c. will be charged.

GLASS.

There is a good demand locally, and the market continues strong. We quote : Under 26 in., $4.45 ; 26 to 40 in., $4 65 ; 41 to 50 in., $5.10 ; 51 to 60 in., $5.35 ; 61 to 70 in., $5 75 ; 71 to 80, $6.25 ; 81 to 85, $7 ; 86 to 90, $7.75 ; Toronto, Hamilton and London. Terms, 4 months, or 3 per cent. 30 days. Discount off pane price list, 33⅓ per cent.

OLD MATERIAL.

The demand continues brisk, and the arrivals are good. The market is strong. We quote : Heavy copper and wire, 10¼c. per lb.; light copper, 8c. per lb.; heavy red brass, 10c.; heavy yellow brass, 8 to 8½c.; light brass, 5c.; lead, 2¼ to 2½c.; scrap zinc, 2¼ to 2½c.; iron, No. 1 wrought, $14.50 per net ton ; No. 2 wrought, $6 ; machinery cast scrap, $14; stove plate, $10; malleable and steel, $6 ; old rubbers, 6c. per lb., and country mixed rags, 50c. per 100 lb.

HIDES, SKINS AND WOOL.

HIDES—Hides are scarce and the price has been advanced ½c. all around in sympathy with the high prices on the United States markets. We quote : No. 1 green, 7c.; No. 2 green, 8c. ; No. 1 green, steers, 8c.; No. 2 green, steers, 7c.; cured, 8c.

SKINS—Calfskins are scarce and sheep and lambskins have been advanced 5c. We quote : No. 1 calfskins, 10c. ; and No. 2, 8c.; deacons (dairies) 60 to 70c. each ; sheepskins, 80c. to $1 ; lambskins, 20c.

WOOL—The demand is slack and the market is weak. We quote : Fleece wool, 12½c., and unwashed, 7c. per lb.

SEEDS.

Trade is quieter and the prices are steady. We quote out of store at Toronto : Red clover, $6.50 to $9; alsike, $10 to $16, and timothy, $7.80 to $8.25.

COAL.

The receipts of hard and soft coal are fair, and the demand for the latter is good. The prices are firm. We quote prices at international bridges as follows : Grate, $4.75 per gross ton ; egg stove and nut, $5 per gross ton ; soft coal, $2.50 to $3.25 in bond.

PETROLEUM.

The prices are firm and the demand is steady. We quote : Pratt's Astral, 17 to 17½c. in bulk (barrels extra); American water white, 17½ to 18c. in barrels ; Photogene, 17 to 17½c.; Sarnia water white, 16½ to 17c. in barrels ; Sarnia prime white, 15 to 15½c. in barrels.

MARKET NOTES.

Cut nails are 10c. per keg higher.

There is likely to be another advance in harvest tools.

The discount on pressed spikes has been reduced to 22½ per cent.

The makers of poultry netting have advanced prices 10 per cent.

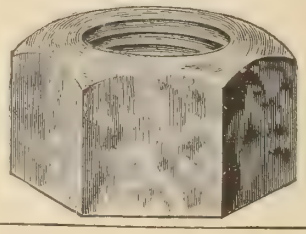
The discount on shoe nails is now 60 per cent. and on clinch and duck rivets 45 per cent.

GALVANIZING

Our plant is modern, and capacity large. Prices O.K. Other branches:

WINDMILLS, PUMPS, TANKS, FOUNDRY WORK, ETC., ETC.

Ontario Wind Engine & Pump Co., Limited, 505 Atlantic Ave., Toronto.



THE JOHN MORROW MACHINE SCREW COMPANY, Limited

Manufacturers of

Set and Cap Screws, Special Milled Work, Engine Studs, Etc. Cold Punched Nuts of every variety of finish.

INGERSOLL, ONT.

BISHOP & CO. Established 1850.

27 and 28 Little Trinity Lane, - LONDON, ENG.

54 Scotland St., SHEFFIELD

Table Cutlery, all qualities.

23 Vittoria St., BIRMINGHAM

Wrought Steel Pots, round or oval.

Tinned inside or enamelled.

Samples on view at the following Agencies :—

Alex. Thurber, 446 St. Paul St., - - MONTREAL.
E. Fielding, 34 Yonge St., - - TORONTO.
E. L. Denoncourt, 74 St. Joseph St., - QUEBEC.

American Steel & Wire Co.

New York: Empire Building. Montreal: New York Life Building. Chicago: The Rookery.

BARB WIRE. GALVANIZED PLAIN WIRE.
PLAIN TWIST CABLE FENCING.

Telegraph and Telephone Wire, Mattress, Broom, Weaving Wires of every description, Rail Bonds, Bale Ties, Special Wires for all purposes. Springs, Horse Shoes, Wire Rope, Cold Drawn Steel Shafting.

RICHARD JOHNSON, CLAPHAM & MORRIS, Ld., Manchester AND LIVERPOOL, ENG.

CABLE ADDRESS—"Metallicus," Manchester.
CODES USED—ABC, AI, Liebers and Private Code.

Manufacturers and Metal Merchants

GALV'D SHEETS
GALV'D CANADAS
BLACK SHEET IRON
BLACK CANADAS
Range & Furnace SHEETS

TINPLATES, TERNES
TINNED SHEETS
PIG TIN, PIG LEAD
WIRE NETTING
GALV'D BARB WIRE

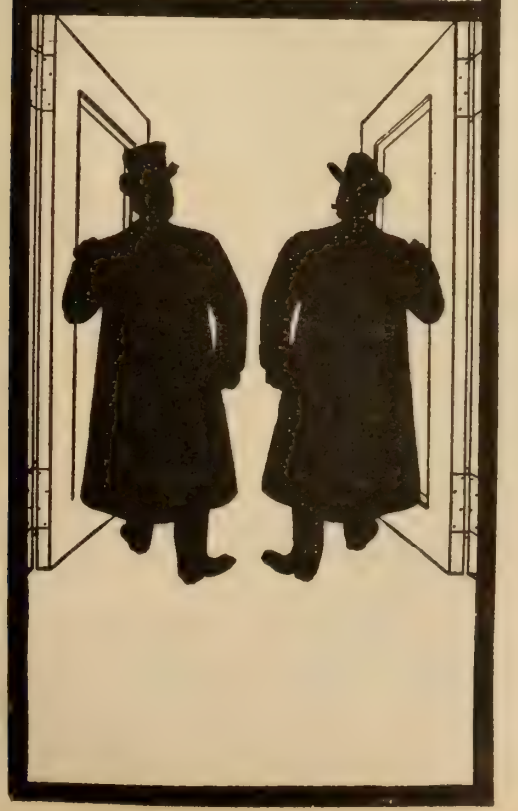


WAREHOUSE LEVER STREET

MONTREAL OFFICE: Messrs. Copland & Co., Imperial Buildings.

HALIFAX OFFICE: Messrs. Grant, Oxley & Co., 68 Bedford Row.

HOW THEY CAME OUT



They came out all right!

So does anyone who uses the genuine

AMERICAN or GEM

Spring Hinges

In use nearly forty years and noted for great durability and correct workmanship.

Please write to

LAMPLOUGH & McNAUGHTON, De Bresoles Street, MONTREAL, QUE.
Canadian Agents

Sole Manufacturers

The Columbian Hardware Company, COE and HAMILTON STREETS, Cleveland, Ohio

HEATING AND PLUMBING

BUILDING PERMITS IN TORONTO.

DURING the week building permits have been issued from the office of the city commissioner of Toronto as follows: The Polson Iron Works, for a two-storey pattern shop of wood covered with iron on Esplanade street, for $3 500; J. J. Walsh, for two pairs of semi-detached two-storey brick dwellings on 287 to 293 Logan avenue, for $6,000; J. J. McKinnon, for a pair of two-storey brick dwellings on College street, for $3,000; H. F. Squires, for a pair of two-storey brick dwellings on 26 and 28 Albany avenue, for $6,500; S. R. Parsons, for a two-storey brick residence on the east side of Crescent Road, for $4,500; Charles R. Cooper, for the erection of a two-storey brick residence on Winchester street, for $3 500; the Royal Canadian Yacht Club, for a one-storey dinghy house of wood covered with galvanized corrugated iron, on Esplanade street, for $800; J. E. Ellerby, for a small two-storey frame and roughcast house on Radcliffe avenue, for $300; James Simpson, for a pair of semi detached two storey dwellings having a brick front and cellar, on the south side of Gerrard street, for $2,000; James L. Morrison, for two pairs of two-storey brick residences on 84 Winchester street, for $11,000, and Richard Dodson, for a two-storey frame and roughcast dwelling on 21 Regent street, for $450.

BUILDING AT CHILLIWACK.

At Chilliwack, B.C., W. D. Kipp is preparing to build a residence; A. C. Henderson is making ready to erect a warehouse, and B. A. Irvin will build a brick store next fall.

BUILDING PERMITS IN OTTAWA.

The following building permits have been taken out at Ottawa during the week: Thos. Flynn, for a frame dwelling covered with sheet iron on Botelier street, for $500; Baldwin Iron Works, for a brick foundry on Duke street, for $4,000; W. C. Cochrane, for a brick-veneered dwelling on Russell avenue, for $2,000; trustees of Bell Street Church, for a brick-veneered parsonage on Bell street, for $2,500; William Stirling, sr., for a brick-veneered dwelling on Bolton street, for $700; Catherine Aris, for a brick-veneered dwelling on Redpath street, for $700; Thomas Angel, for a brick-veneered dwelling on Flora street, for $1,200; Dr. R. P. Robinson, for alterations to building on Bank street, for $600; Mrs. D. R. Stewart, for a brick-veneered dwelling on James street, for $2,200, and Alexander Parker for a double brick-veneered dwelling on Nepean street, for $2,000.

SOME BUILDING NOTES.

T. Searson is building a new house at Warwick, Ont.

A. Harley is erecting a new residence at Showers Corners, Ont.

Harry Chestnut is building a new residence at Fredericton, N.B.

A new hotel, the Dominion, is being built at New Westminster, B.C.

Tenders are being asked for the erection of a church at Shelburne, Ont.

A new town hall will be erected at Athens, Ont., at a cost of $6,000.

Stanley Ball will erect a new residence on Victoria avenue, Chatham, Ont.

The Canadian Pacific Railway will erect a new $100,000 hotel at Banff, B.C.

H. E. Theker is building a butcher shop and dwelling house at Stratton, Ont.

The Lake Erie and Detroit River Railway will erect a summer hotel at Rondeau, Ont.

Dr. Hall is advertising for tenders for the erection of a new office at Chatham, Ont.

Jos. S. McKay and Jos. D. McKay, are each building a new dwelling at Barrington, Ont.

J. H. Ashdown is erecting a new four-storey warehouse on Bannatyne street, Winnipeg.

Tenders are being advertised for a brick and stone academy building at Truro, N.S.

The Baldwin Iron Works Co. are building an addition to their premises on Bridge street, Ottawa.

Four storeys are being added to the Bullman Block, Bannatyne street, Winnipeg, at a cost of $40,000.

Mitchell & Hembroff are advertising for tenders for the erection of a new store at Moose Jaw, N.W.T.

A warehouse is to be erected on the corner of James and Dalhousie streets, Montreal, for L. H. Gaudry.

BUILDING AT BRANDON.

There will be extensive building operations going on at Brandon during the coming summer. Residences will be built for Dr. More, H. C. Graham and Peter Payne. A large business block will be erected by Zink Bros. on Rosser avenue, 48 x 90, of three storeys and a basement. The cost will be about $18,000. A two-storey block will be built on Rosser avenue, 48 x 85, by Burchill & Howey, for $12,000, and F. Higginbotham will build a two-storey brick block on Rosser street. The Brand Binder Twine Co. will soon have their factory and warehouse completed, and Alexander & Law Bros. are working on the building of a large mill. A business block is also being built by Senator Kirchhoffer on Rosser avenue for $4,000.

PLUMBING AND HEATING CONTRACTS.

Guest & Co., plumbers, etc., Toronto, have secured the contract for the heating of a greenhouse on the corner of King street and Lee avenue for Walter S. Lee, and the installation of a water motor in St. Paul's Methodist Church, on Avenue Road.

BUILDING AT MIDLAND.

At Midland, Ont., a house is being built for Miss Annie Ward; a residence is being constructed for Fred. Edwards; Wm. Ardle is building a house; a residence is being erected for C. Colmer; Joseph Grey is building a house; S. Nugent is building an addition to his residence; S. Campbell's cold storage warehouse has been started; Wm. Grey has the contract for the building of two houses, and Campbell Bros. are enlarging their residence.

BUILDING AT ORILLIA.

At Orillia, Ont., a new schoolhouse is being erected for St. James' Church; a two-storey addition is being made to the residence of Geo. Thompson; I. Armstrong is building a brick residence, and R. E. Watson is having a residence that he recently purchased remodelled.

CALGARY MERCHANTS ORGANIZE.

The merchants of Calgary, N.W.T., have organized themselves into the Calgary Retail Merchants' Association. This work was perfected on April 24, and the president is John Sharp.

The objects of the association are to maintain just and equitable principles in business; to further the interests of trade, and to acquire knowledge relative to the business in which its members are engaged. This organization embraces a large number of influential merchants of the place.

RAMSAYS VIENNA GREEN

Returned 20/5/03 cut Book 8 page 91



REGISTERED

The surest and truest of all the greens, in 1, 2, 3, 5, 10 and 25-lb. tins.

BOOKLETS AND SHOW-CARDS.

A. RAMSAY & SON THE PAINT MAKERS
MONTREAL EST'D 1842

Gas Fixtures

We make Attractive Fixtures in

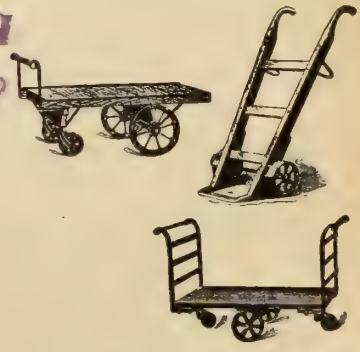
GAS . . .
ELECTRIC
COMBINATION

Catalogues to the Trade

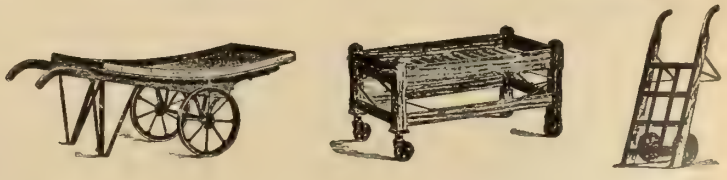
The James Morrison Brass Mfg. Co., Limited
89-97 Adelaide St. West, TORONTO.

TRUCKS AGAIN

RETURNED JUL 16 1902



The reason we are impressing upon the trade so thoroughly the fact that we are in the Truck business is this:



We have to-day the largest and most varied stock in this line of any House in the Trade.

WE WANT YOUR BUSINESS. WE CAN HANDLE IT. IT WILL PAY YOU TO GET OUR PRICES.

THE FAIRBANKS COMPANY

747 and 749 Craig St., Montreal.

LEADER CHURN

New Century Improvements

FOUR DIFFERENT STYLES:

A—Steel Frame with double reversible Steel Lever.
B—Wood Frame with double reversible Steel Lever.
C—Steel Frame with Crank.
D Wood Frame with Crank.

Styles **A** *and* **B** *may be operated from a sitting or standing position.*

Steel Frames and Hoops beautifully ALUMINIZED.

All LEADER CHURNS are equipped with BICYCLE BALL BEARINGS and PATENTED CREAM BREAKERS.

Stands are so constructed that they are particularly strong and rigid, and there is nothing to interfere with the placing of pail in the most convenient position for draining off buttermilk.



It Pays to Have the Best. None are Better Than the Leader.

THE DOWSWELL MANUFACTURING CO., LIMITED, HAMILTON, ONT.

Eastern Agents: W. L. Haldimand & Son, Montreal, Que.

CUSSIN'—DISCUSSIN'

Dealers may avoid the former and have the satisfaction of hearing their customers discussing in terms of praise the goods that are right.

Always handle the best.

Satisfaction is assured if the Dowswell Manufacturing Co., Limited, are the makers of the goods you sell.



The New Century Washing Machine

This cut illustrates the latest and best machine for washing clothes yet invented.

Having strong spiral springs and ball-bearings—the same as used in High-Grade Bicycles—very little effort is needed to do what with other means is hard work.

Nothing so easy—nothing so thorough—nothing less wearing on garments. It is perfection.

A customer says: "It has none but good points."

Another customer says: "It is a darling; washes a tubful in five minutes."

It is the **New Century Washer.**

Every Hardware Dealer should have them. They are not the cheapest, but are sellers, and will do all that is claimed

The operator can positively do the work, and without effort, while seated, and the machine is enclosed, retaining heat and vapor.

The Dowswell Manufacturing Co., Limited,
Sole Manufacturers in Canada. **Hamilton.**

FREE INSURANCE AGAINST FIRE

PLASBESTER

AGENTS WANTED IN EVERY TOWN.

the BEST ASBESTOS WALL PLASTER

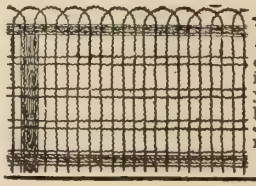
Fire Proof
Frost "
Sound "
Will not crack.

PAINTS



We manufacture these brands:—"LION," "PEERLESS," "OWL," "RAVEN," also Ready-mixed House and Floor Paints, Roof, Barn, Bridge and Brick Paints, Coach Colors, Varnishes, Japans, etc. Our prices will interest you. Write us.

The Ottawa Paint Works, Ottawa, Ont.



Page Metal Ornamental Fence. We now make fence that is ornamental, very showy and surprisingly cheap. It is just what is wanted for door yards, division fences in town lots, grave yards, orchards, etc. It is painted and retails at only **20 cts. PER RUNNING FOOT.** Just think of it. Let us send you full particulars. We also make farm fence, poultry netting, nails and staples.

The Page Wire Fence Co., Limited, Walkerville, Ont. 8

Hardware Men Sell Our Popular Lines

from Catalogues and Samples.

——WE MANUFACTURE——

Office and Bank Railings,
Wire Window Guards, Stable Fittings,
Roof Cresting, Fencing, Etc.
Specialties in Wire and Metal.

Our manufactures are wanted everywhere. We want a hardware firm in every town to act as our selling agents. Write for particulars and catalogues.

The Dennis Wire and Iron Co.,
LONDON, ONT.

TRADE WITH ENGLAND

Every Canadian who wishes to trade successfully with the Old Country should read

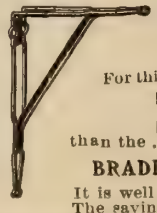
"Commercial Intelligence"

(The address is 168 Fleet St., London, England.)

The cost is only 4 cents per week, including postage. (Annual subscription, $2.11.)

Moreover, regular subscribers are allowed to advertise without charge in the paper. See the rules.

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY, MONTREAL.



Will Hold Up a Shelf!

That's what a shelf bracket is for.

For this purpose there can be

NOTHING BETTER

NOTHING CHEAPER

than the . . . .

BRADLEY STEEL SHELF BRACKET

It is well **Japanned, Strong** and **Light.** The saving in freight is a good profit, aside from the **lower price** at which the goods are sold.

☞ Order direct or through your jobber.

ATLAS MFG. CO., New Haven, Conn., U.S.A.



Up to date Grocers' Refrigerators,

Mineral Wool Filled, Eight Walls. Ask for prices from any dealer handling our household refrigerators, or write direct to us for descriptive catalogue and prices.

Ham & Nott Mfg. Co., Limited, Brantford, Ont.

"MIDLAND"

BRAND

Foundry Pig Iron.

Made from carefully selected Lake Superior Ores, with Connellsville Coke as fuel, "Midland" will rival in quality and grading the very best of the imported brands.

Write for Prices to Sales Agents

Drummond, McCall & Co.
or to **MONTREAL, QUE.**
Canada Iron Furnace Co.
MIDLAND, ONT. Limited



"Build to-day then, strong and sure,
With a firm and ample base."
—Longfellow.

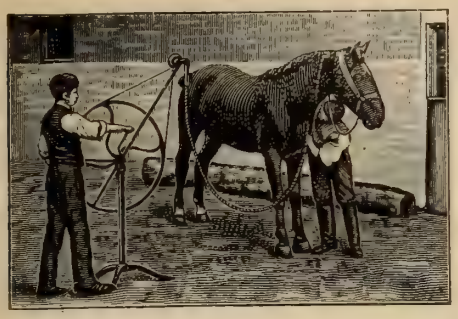
DO YOU?

WISH THUS TO BUILD
an advertisement
in the
CONTRACT-RECORD,
TORONTO
will bring you tenders from the best contractors

BURMAN & SONS' CELEBRATED CLIPPERS

Established 1871. **BIRMINGHAM, ENG.** for Horsemen and Barbers.

NO. 297.

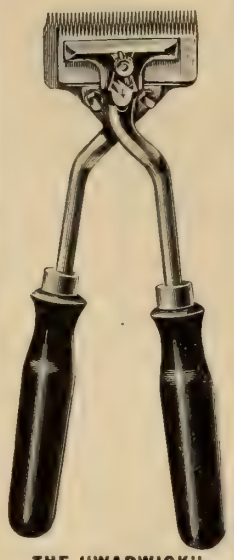


NO. 3—POWER CLIPPER, with "Wrist Joint."

As supplied to { The Czar of Russia. The King of Denmark. Earl Roberts, Etc., Etc.



THE "LEOPOLD" TOILET.



THE "WARWICK" CLIPPER.

Cuts over three teeth.

As supplied to His Majesty's War Department.

SEND FOR PRICE LIST AND TERMS.

To be obtained from all the principal Jobbers throughout the Dominion.

BUY THE

BEST PAINTS

AND SAVE YOUR MONEY.

It is always cheaper to buy the best. It costs as much to apply a cheap as it does a good Paint.

"BEAVER" BRAND and "T. L. & C. CO." BRAND } **PURE PREPARED PAINTS**

MANUFACTURED BY

THE TORONTO LEAD & COLOR CO., Limited

TORONTO

ARE THE BEST.

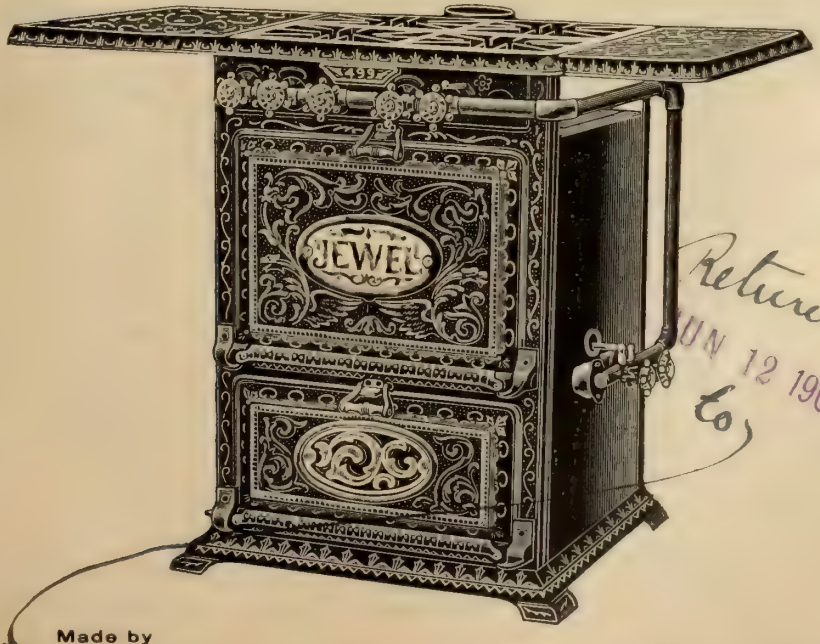
For interior and exterior use. Most economical, because they cover the greatest surface. Cheapest, because they wear longest. Most satisfactory, because they look best.

EVERY TIN GUARANTEED.

As for our New Century Catalogue and Color Cards.

It is not GAS . .

when we say that "Jewel" Gas Ranges give better satisfaction with less fuel than any other make.



FITTED WITH

Removable Thimble Caps
Needle Valves
Adjustable Air Mixers
Slotted Burners

"JEWELS" will not puff or light back.
Good for the Dealer.
The Best for the User.

Made by

The Burrow, Stewart & Milne Company, Limited, Hamilton.

Returned JUN 12 1902 to

DON'T FORGET ONE THING:

THAT THE RECOLLECTION OF QUALITY WILL REMAIN LONG AFTER THE PRICE HAS BEEN FORGOTTEN. If you sell your Farrier customers a box of **"C"** brand Horse Nails, they will always associate you with the purchase of the best quality they ever used. The higher price will be forgotten when the satisfaction derived from their use has demonstrated that they proved to be the cheapest, because they were the best. The only claim that we advance for our higher price is better quality. If we did not give you something better than you can buy at a lower price, then our Horse Nail trade would soon diminish. We have during the past year sold our **"C"** brand Nails in the open market against all comers, at a higher price than any other Maker in Canada, and done as large a business as any two of them put together. Why? The reason is not far to seek; the public have confidence in our Horse Nails, and believe them to be the best and to be worth more than any others. The public are not fools. "YOU CAN FOOL ALL THE PEOPLE SOME TIME, AND SOME PEOPLE ALL THE TIME, BUT YOU CANNOT FOOL ALL THE PEOPLE ALL THE TIME."

We have been manufacturing Horse Nails since 1865, and we are the original and largest manufacturers of Horse Nails exclusively in Canada. Thirty-seven years' experience is embodied in every box of **"C"** Nails. You are "getting a sure thing."

We make only one quality—the best that our long experience can produce. Every box is warranted perfect, and so guaranteed to every dealer or they may be returned at our expense.

Every box made by us has our registered trade mark—the one Gothic letter **"C"**—and our name in full. Imitations of our brand have been made, and we are the only Makers of Horse Nails in Canada whose brand has had the compliment of having counterfeit imitations. WHY? BECAUSE IT WAS THE ONLY ONE WORTH IMITATING.

Every Nail is hot-forged from a solid rod of SWEDISH CHARCOAL STEEL of a special mild tough quality, and is the best material known or used by any Maker in the world for making Horse Nails.

Every dealer will consult his own and customers' interest, by keeping his stock of Horse Nails exclusively of the **"C"** brand. Try it!

Your orders are solicited through any Wholesale Merchant; if you cannot obtain them we will supply you. Don't accept substitutes!

Canada Horse Nail Company
MONTREAL.

INQUIRIES ABOUT CANADIAN TRADE.

THE following were among the recent inquiries relating to Canadian trade received at the Canadian Government Office in London :

1. A salesman of chilled meats at Manchester desires to get into communication with Canadian shippers.

2. A firm of distillers at Cognac, France, desire an energetic and reliable agent in Canada to whom they might entrust the agency for the sale of their brandies.

3. A Barcelona, Spain, house have requested to be glaced in touch with wholesale lumber firms having interests in the Maritime Provinces of Canada who require representation in that city.

4. Inquiry is made by a Staffordshire firm for the names of Canadian buyers of machinery, iron and rails, scrap metal, wire rope, etc.

5. A London firm of hat manufacturers are contemplating doing business with Canada, and a k to be furnished with information to this end.

6. A firm of high-class grocers and provision merchants at Cape Town desire to get into communication with Canadian houses with the view of doing an increased business in Canadian butter, fodder, oats and general provisions.

7. A London agent wishes to hear from Canadian firms exporting plumbers' and engineers' supplies and accessories, cheap furniture, caskets and coffins, marble, etc.

8. Inquiry is made for Canadian producers and shippers of molybdenite and tungsten.

9. An old-established firm of importers,salesmen and agents in London, having every facility for turning over a big stock, desire to be placed in communication with some important Canadian shippers of dairy produce.

10. A Liverpool firm of general merchants and importers have asked to be furnished with names of Canadian exporters of general produce as well as clog soles, india rubber cuttings, etc.

11. A Turkish manufacturer of genuine handmade oriental embroideries wishes to be placed in communication with Canadian importers of these goods as well as carpets and rugs.

[The names of the firms making the above inquiries can be obtained on application to the editor of HARDWARE AND METAL.]

INDUSTRIAL GOSSIP.

NEW STEAMER FOR B.C. COAST. The new Canadian Pacific Railway steamer for the Northern coast route of British Columbia will be constructed by The British Columbia Marine Railway Co. The contract price is stated to be between $60,000 and $65,000. The new steamer will be 202 feet long, 36 feet beam, 14 feet depth of lower hold, 8 feet between decks, and the height of the saloon will be 7 feet, with dome skylights. She will have double boilers, triple expansion engines and a single screw, and her speed will be 12 knots.

Peter McArthur, dry goods merchant, Priceville, Ont., is making arrangements to add a hardware branch to his business.

NO SPECIAL INSTRUCTIONS

are required to use the Handy Paints and Stains made by

THE CANADA PAINT COMPANY, LIMITED.



Stir the package, and, having a clean surface, go to work. Paint is the great preservative and beautifier, but to insure good results insist upon the paints made by : : : : :

THE CANADA PAINT COMPANY Limited

The Largest Manufacturers of Wash Colors and Varnishes in the Dominion of Canada.

Montreal and Toronto

Persons addressing advertisers will kindly mention having seen their advertisement in The Canadian Hardware and Metal Merchant.

Canadian Wringer Co.

Manufacturers of the following

CLOTHES WRINGERS

Queen,
Royal Canadian,
New Metropolitan,
New Lightning,
Eureka,
New Eureka,
Stone,
Jubilee Ball Bearing
Etc., Etc.

All our Rolls are of Solid White Rubber and Vulcanized to Shaft. . . . Send for Catalogue and Discounts.

16 SHEPPARD STREET, TORONTO.

WE MANUFACTURE

TOOLS

USED BY

Stone Workers, Cement Workers, Paving and Building Contractors, Railroad and Telephone Companies.

We also make special Wrought Iron or Steel Work to drawings. Estimates furnished for any quantity. Goods delivered f.o.b. Windsor.

W. H. ANDERSON & SONS,

St. Aubin Ave., Detroit, Mich.

Canadian Branch,
with Eureka Planter Co., Windsor, Ont.

FRANK MILLER'S

HARNESS PREPARATIONS.

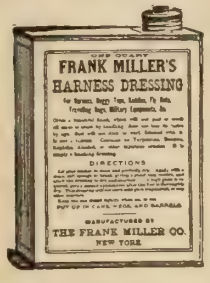
FRANK MILLER'S

HARNESS DRESSING

Recognized as

"THE STANDARD."

Produces a brilliant jet-black gloss which will not peel or smut and to which dirt will not stick.





Frank Miller's

Harness Soap

Unrivaled for cleaning and softening Harness

Put up in cakes, pans, boxes and tubs.

FRANK MILLER'S

Harness Oil.

Preserves and softens the leather, thus adding life.

The highest quality of oil on the market.



Bargains in Second Hand Machinery.

LATHES.

60 x 20 Wilmarth trip. grd., very heavy.
49 x 14 Fitchburg Plain turning C. R. & P. C. F.
48 x 21 Harrington trip. grd., C. R. & P. C. F.
44 x 24 Betts trip grd., C. R.
42 x 19 x 20 Fish, trip. grd.
30 x 15 Fish C. R. & P. C. F.
30 x 14 Nicholson & Waterman, C. R. & P. C. F.
27 x 8′ 6″ D. W. Pond, C. R. & P. C. F., good.
27 x 18 Lodge & Shipley, C. R. & P. C. F.

XXX SCREW MACHINES.

2″ Cleveland auto, A1.
Lot of No. 1 and No. 2 P. & W. hand.
No. 0, No. 1 and No. 2 P. & W. double turret, auto.
20 x 7 Fay & Scott, univ.
21 x 7 Lodge & Davis monitor.
15 x 6 Jones & Lamson turret.

SHAPERS.

24″ Walcott shifting belt.
24″ Hendey frict.
15″ Prentiss frict.
Lot of travelling head shapers, different sizes.

PLANERS.

51 x 50 x 18 second-hand planer, 1 hd., good.
30 x 30 x 10 Flather.
30 x 30 x 8 L. W. Pond, 3 hds , good as new.
24 x 24 x 6 Powell, 1 hd., good.

DRILLS.

6′ arm univ. radial, heavy pattern.
Pond Machine Tool Co.'s radial drill.
Pond Machine Tool Co.'s heavy suspension, A1.
4′ arm Betts radial.
40″ Gleason upright, B. G. & P. F.
25″ Gould & E., B. G. & P. F., good.

MILLING MACHINES.

No. 3 Cincinnati univ., without he..d.
No. 2 Cin. plain with rotary and vert attach.
18 No. 2 P. & W. Lincoln pattern millers, good.
Heavy Pedrick & Ayer univ., all feed.
4 No. 2 B. & S. plain millers, good as new.
2 No. 1 B. & S. dittos.

MISCELLANEOUS.

No. A ½ New Doty punch and shear, 9″ throat.
Lot of friction board drop hammers, 400 to 1,700 lb.
No. X 600 lb. P & W. drop hammer.
Small 100 lb. steam hammer.
200-ton vert. hydraulic press.

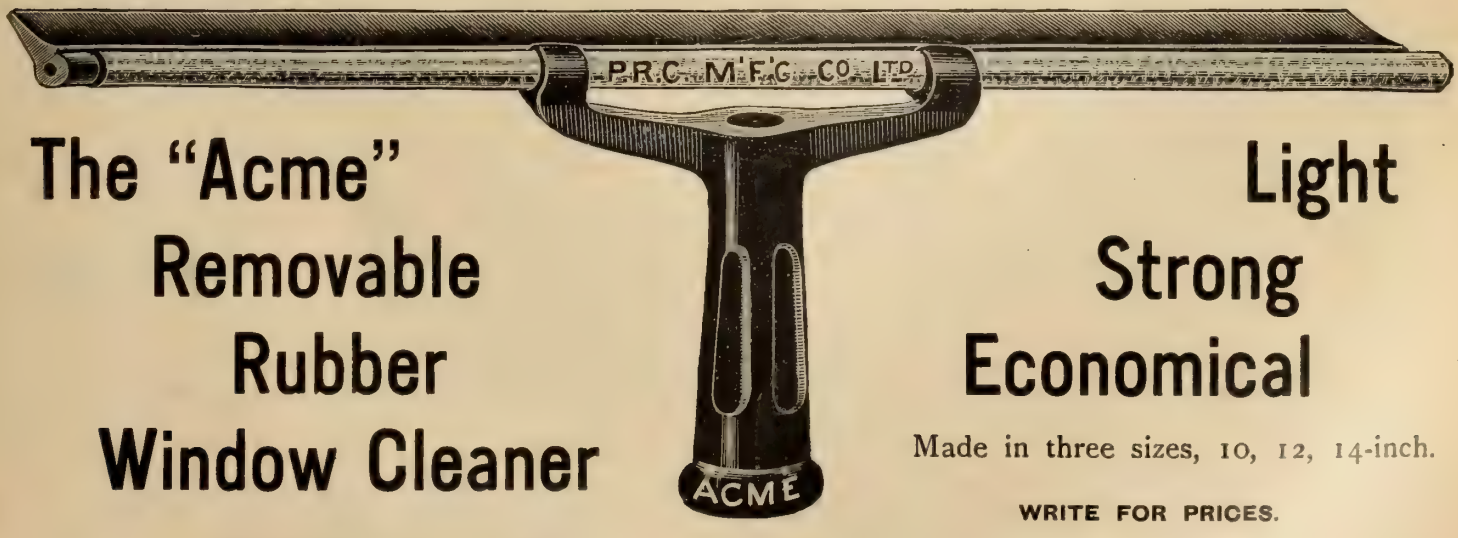
Also large stock of other tools. Send for complete list.

PRENTISS TOOL & SUPPLY CO.

115 Liberty St., NEW YORK, N.Y.

Buffalo—507 D. S. Morgan Bldg.
Boston—200 Franklin St.
Pittsburg—120 First Ave.
Address all inquiries to Dept. No. 5.

Let the Light Shine.



The "Acme" Removable Rubber Window Cleaner

Light Strong Economical

Made in three sizes, 10, 12, 14-inch.

WRITE FOR PRICES.

MADE ONLY BY

The P. R. Cumming Mfg. Co., Limited

P.S.—Catalogue on application.

Toronto.

BEST RESULTS IN ADVERTISING.

THE merchant who, having built up a successful business on a certain plan or business method, is adverse to accepting new ideas for his store management and advertising, and in staying with the ship which carries his business safely through the channel and frequent squalls near shore, says Marshall W. Dorsey in The Saint Paul Trade Journal, finds new and even greater dangers facing his business ship in the mid-ocean of commercialism.

It is with justifiable pride that a retail merchant who has so successfully managed his business as to build up a large trade and store refuses to adopt new ideas or change his plan of advertising in the least. But when he balks at the hilt of progress he falls into the one-idea rut which will sooner or later relegate him to the class of has-beens—mossbacks. New and more progressive business methods adopted by some other store will capture his customers' trade ; draw the trade from his store just as his method and plan of doing business pulled trade from others when his were new.

The business methods and advertisements which attract buyers to a store to-day will be antiquated in a few years hence and called fogyism. Business men who doubt this would confer a great favor on and place the young business man of to-day under lasting obligations to him if they would explain the reason or reasons for the comparatively short life of so many retail stores to-day ; many concerns which prosper for a short period, two, five or 10 years, and then their trade begins to wane until closed out or absorbed by a rival with new business ideas and methods.

Think a minute, Mr. Merchant, see how many firms were in business and successful. Jot down the names of those who have quit for various reasons ; make a list of the most successful and progressive stores in your town to-day and the number of years each have been in business under its present ownership or management. You'll be surprised at the figures in the three columns. Why is it ? I say we all fall in a rut when we get stuck on our own business ideas so much that we refuse to listen to others and use the knowledge thus gained in improving our system and keep our business methods abreast of the times.

There are many merchants who fear to change their plan or way of advertising because it proved successful five years ago and built up their business, and although they realize that their trade is not as good as it should be—that several thousand new people have moved into their town or city, many of whom have seen business conducted on more modern methods—still cling to the old way and find fault with the new ideas suggested. It is a good plan for one member of the firm or one of the managers to take a few weeks vacation once or twice a year and visit larger cities, or at least get away from your locality and see how the most successful stores are conducted, get new ideas, pointers, and utilize them for the betterment of your own store.

The advertising methods of the average successful advertiser undergo decided changes after success has crowned the earlier campaign. To advertise successfully and make it pay you must study the trade conditions, people's wants, whims, modes, and the new goods you have to offer ; study all the time, there's no resting place. The advertising manager and writer who is successful is always at the highest tension—the most strenuous life of all professions.

The world is full of schemers who plan to get rich quickly, and who rely on advertising to do the trick, but they do not understand the advertising business or they would devote their attention to some other field. Advertising is not the soft proposition many imagine it to be.

Many advertisers hamper their advertisement writers with their own ideas to such an extent that the material turned out is directly opposite in character to that which would have resulted without any interference. If you have a good ad. writer let him do the writing. Suggest any good ideas that may occur to you, but do not pester him with your views on phraseology or the use of individual words. If he is a good ad. writer he knows what he is doing, and it is a waste of time and grey matter to grasp at fancied flaws in his work. They may be his strong card and if he always submitted his copy to you and changed it to conform with your ideas of grammar and correct phraseology, your advertising would fall into old ruts. That's why he needs your ideas and you need an ad. writer.

The only way to avoid it is to read your trade journals. Every wide-awake merchant should take at least one or more good trade journals, and the ad. writer will find good brain food, new ideas, get other progressive merchants' opinions, will have an opportunity to criticize and compare theirs with his own, and if he is not too narrow gauged he'll avoid the ruts.

NEW ART OF COLORING GLASS.

The Joliet, Ill., News, is authority for the statement that George Corner, formerly a resident of that city, is the inventor and patentee of a process of coloring glass without leading it. This means that the art of coloring glass may be revolutionized, and that by a very simple process, for instance, lettering may be done in bottles, in colors, making a much superior finish to that produced by pasting labels on the bottles. The Consolidated Art Glass Company is handling the patent, and Mr. Corner holds the presidency. The company, it is said, has spent $8,000 acquiring home and foreign rights, and has purchased a glass plant in Streator. The secret of the process is very closely guarded. The formula and other important papers are locked in a safety deposit vault in New York City, access to which can only be had when Mr. Corner and two associate officers are present. The company has only recently started and expects to do a great business.

APOLLO BEST BLOOM
GALVANIZED IRON

Whatever advantage belongs to galvanized iron and liberal dealing goes with Apollo.

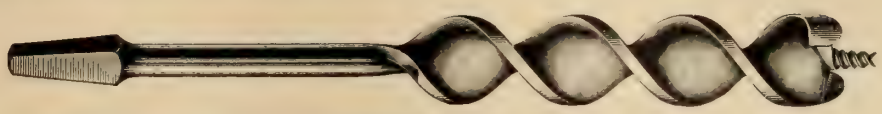
Costs not a cent, and relieves you of much anxiety.

American Sheet Steel Company, New York

Representatives for Canada
E. & S. H. Thompson & Company
57 St. Sulpice Street
Montreal

SOMETHING NEW

Caldwell Lightning Auger Bits.



Patented May 21, 1901.

This bit will bore two holes in less time than it takes to bore one with any other bit.

AGENTS:

Caverhill, Learmont & Co., - - - Montreal.
Wood, Vallance & Co., - - - - Hamilton.
Geo. D. Wood & Co., - - - - Winnipeg.

CURRENT MARKET QUOTATIONS

May 2, 1902.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag and Straits—56 and 28 lb. ingots, 100 lb.	30 00 31 00

Tinplates.

Charcoal Plates—Bright

	Per box
M.L.S. equal to Bradley	
I.C., usual sizes	$6 75
I.X., "	8 25
I.X.X., "	9 75
Famous, equal to Bradley—	
I.C.	6 75
I.X	8 25
I.X.X	9 75
Raven & Vulture Grades—	
I.C., usual sizes	5 00
I.X., "	6 00
I.X.X "	7 00
I.XXX., "	8 00
D.C., 12½x17	4 50
D.X	5 25
D.X.X	6 00

Coke Plates—Bright

Bessemer Steel—	
I.C., usual sizes	4 25
I.C., special sizes, base	4 75
20 x 28	9 00

Charcoal Plates—Terne

Dean or J. G. Grade—	
I.C., 20x28, 112 sheets	8 50
I.X., Terne Tin	10 50

Charcoal Tin Boiler Plates

	Per lb.
Cookley Grade—	
X X., 14x56, 5 shee bxs	
" 14x60, "	0 06½
" 14x65, "	

Tinned Sheets

72x30 up to 24 gauge	0 07½
" 26 "	0 08

Iron and Steel.

Common Bar, per 100 lbs	1 95	2 05
Refined "		2 45
Horse Shoe Iron "		2 40
Hoop steel, 1½ to 3 in. base,		2 90
Sleigh Shoe Steel " base		2 10
Tire Steel	2 30	2 50
Reeled Machinery		3 00
Toe Calk Steel	2 85	3 00
T. Firth & Co's tool steel, per lb	0 12½	0 13
Jessop's tool Steel		0 14
Morton's tool steel	0 12½	0 13
Black Diamond and "B.C," tool steel	0 10	0 11
Chas. Leonard's tool steel	0 08	0 09
Park's "silver" tool steel	0 12	0 14
" "special "	0 15	0 20
Drill Steel, per lb	0 08	0 10

Boiler Tubes.

	Per foot.
1½, 1¾, and 4 inch	0 1[illegible]
2½ in.	0 17½
3 "	0 14

Steel Boiler Plate.

¼ inch	2 50	2 60
9-16 inch	2 60	2 70
⅜ inch and thicker	2 50	2 60

Black Sheets.

	Com.	D.Fl.
18 gauge	2 85	3 00
20 gauge	2 85	3 00
22 to 24 "	2 95	3 25
26 "	3 05	3 50
28 "	3 15	

Copper Ware.

Discount, 50 per cent.

Canada Plates.

All dull, 52 sheets	3 00
Half polished	3 10
All bright	3 75

Iron Pipe.

	Per 100 Feet.
⅛ inch	3 00
¼ "	2 50
⅜ "	2 75
½ "	3 00
¾ "	3 70
1 "	5 75
1¼ "	7 40
1½ "	8 90
2 "	12 40
2½ "	24 00
3 "	28 0
3½ "	36 00
4 "	43 00
4½ "	50 00
5 "	57 00
6 "	73 00

Galvanized pipe—

¼ inch	3 30
⅜ "	3 55
½ "	4 00
¾ "	5 25
1 "	7 25
1¼ "	10 10
1½ "	12 15
2 "	16 70

Discount 4 per cent.

Malleable Fitting—Discount 40 p.c.

Cast Iron Fittings—
Plugs, brushings, unions, and nipples, discount 65 p.c.
All others—discount 60 p.c.

Galvanized Sheets.

	G O. Comet.	Amer.	Queen's Head.
16 gauge			
18 to 24 gauge	4 05 3 75		4 05
26 "	4 25 4 00		4 25
28 "	4 50 4 25		4 50

Less than case lots 10 to 15c. extra.
28 gauge American equals 26 gauge English.

Chain.

Proof Coil, 3-16 in., per 100 lb		
" ¼ " "	7 85	8 10
" 5-16 " "	4 95	5 25
" ⅜ " "	4 35	4 60
" 7-16 " "	4 15	4 40
" ½ " "	4 00	4 25
" 9-16 " "	3 90	4 15
" ⅝ " "	3 80	4 05
" ¾ " "	3 85	4 10

Halter kennel and post chains, 40 to 40 and 5 p.c.
Cow ties 40 p.c.
Tie-out chains 65 p.c.
Stall fixtures 35 p.c.
Trace chain 45 p.c.
Jack chain, iron, single and double discount 35 p c.
Jack chain, brass single and double, discount 40 p.c.

Copper.

	Per 100 lb.
Ingot	
English B S., ton lots	15 00
Lake Superior	

Bars.

Cut lengths round, ⅛ to ⅞ in.	23 00 25 00
" round and square 1 to 2 inches	23 00 25 00

Sheet.

Plain, 14 oz., and light, 16 oz., 14x48 and 14x60	22 00 22 50
Plain, 14 oz., and light, 16 oz., irregular sizes	22 50 23 00
Tinned copper sheets	14 00
Planished	32 00

Braziers (In sheets.)

4x6ft. 25 to 30 lbs. ea., per lb.	0 23
" 35 to 45 " "	0 22
" 50-lb. and above, "	0 21

Boiler and T. K. Pitts

Plain Tinned, per lb	0 28
Spun, per lb	0 32

Brass.

Rod and Sheet, 14 to 30 gauge, 15 per cent.	
Sheets, hard-rolled, 2x4	0 23
Tubing, base per lb	0 23½

Zinc Spelter

Foreign, per lb	5 50	6 00
Domestic "		

Zinc Sheet.

5-cwt. casks	6 00	6 25
Part casks	6 25	6 50

Lead.

Imported Pig, per 100 lb	3 50	3 75
Bar, b		0 05
Sheets, 2½ lbs. sq. ft., by		0 06¼
Sheets, 3 to 6 lbs., "		0 06

NOTE.—Cut sheets ½ cent per lb. extra.
Pipe, by the roll, usual weights per yard, lists at 7c. per lb. and 37½ p.c. dis. f.o.b. Toronto.
NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths lists at 7½ cents.

Shot.

Common, $6.50 per 100 lb.; chilled, $7.00 per 100 lb.; buck, seal and ball, $7.50. Discount, 22½ p.c. Prices are f.o.b. Toronto, Hamilton, Montreal, St. John and Halifax. Terms 3 per cent. cash, freights equalized.

Soil Pipe and Fittings.

Discount, 60 p.c. on medium and extra heavy, and 55 p.c. on light soil pipe; 60 p.c. discount on light soil pipe fittings, and 60 and 10 p.c. on medium and extra heavy.

Solder.

	Per lb.	Per lb.
Bar half-and-half, guarant'd		0 19
Bar half-and-half, commer'l		0 18½
Refined		0 18
Wiping		0 17½

Antimony.

Cookson's, per lb	0 10

White Lead.

	Per 100 lb.
Pure	5 87½
No. 1	5 50
No. 2	5 12½
No. 3	4 75
No. 4	4 37½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B B. Genuine	7 00
" " No. 1	6 00

Red Lead.

Genuine, 560 lb. casks, per cwt.	$4 75
Genuine, 100 lb. kegs, per cwt.	5 00
No. 1 560 lb. casks, per cwt.	4 25
No 1, lb kegs, per cwt.	4 50

White Zinc.

Extra Red Seal	0 06 0 08
No. 1	0 05½ 0 07
No. 2	0 05 0 06

Dry White Lead.

Pure, casks	5 25
Pure, kegs	5 50
No. 1, casks	5 00
No. 1, kegs	5 25

Prepared Paints

In ¼, ⅛ and 1 gallon tins.

Pure, per gallon		1 25
Second qualities, per gallon		1 10
Barn (in bbls.)	0 60	0 90
The Sherwin-William Paints.		1 40
Canada Paint Co's Pure		1 25
Toronto Lead & Color Co's Pure		1 25
Sanderson Pearcy's Pure		1 20
Stewart & Wood's Champion Pure		1 20

Colors in Oil.

25 lb. tins, Standard Quality.

Venetian Red, per lb	0 04½	0 06
Chrome Yellow	0 12	0 14
Golden Ochre	0 08	0 10
French "		0 06
Marine Black		0 09
Chrome Green		0 10
French Imperial Green		0 12
Sign Writers' Black		0 16
Burnt Umber		0 11
" Sienna		0 11
Raw Umber		0 11
" Sienna		0 11

Colors, Dry.

Common Ochre bbls	1 20	1 30
Yellow Ochre J.F.L.S.), bbls		2 00
Yellow Ochre (La Belle)	1 15	1 25
Brussels Ochre		2 00
Venetian Red (best), bbl	1 75	2 00
English Oxides, per cwt	3 00	3 25
American Oxides, bbls	1 25	2 00
Canadian Oxides, bbls	1 25	1 75
Super Magnetic Oxides, 93p.c.	2 00	2 25
Burnt Sienna, pure, per lb		0 10
" Umber, " "		0 10
Raw do		0 09
Drop Black, pure		0 09
Chrome Yellows, pure		0 18
Chrome Greens, pure, per lb.	0 09	0 10
Golden Ochre	0 04	0 05
Ultramarine Blue in 28-lb. boxes, per lb	0 06	0 18
Fire Proof Mineral, per 100 lb		1 00
Genuine Eng. Litharge, per lb		0 07
Mortar Color, per 100 lb	1 25	1 50
Pure Indian Red, No. 45 lb.	0 08	0 10
Whiting, bbl	0 55	0 60
English Vermillion in 50-lb. bags.		0 95

Paris Green.

	per lb.
Petroleum Casks	
Arsenic Kegs	
50-lb. and 100-lb. drums	
25-lb. drums	
1-lb packages	
½-lb. do	
1-lb. tins	
½-lb do	

F. O. B. Toronto. Terms—3 p. c. off 30 days, or 4 mon. from date of delivery.

Blue Stone.

Casks, for spraying, per lb	0 07
100-lb. lots, do. per lb	0 08

Putty.

Bulk in bbls.,	1 90
Bulk in less quantity	2 05
Bladders in bbls	2 25
Bladders in kegs, boxes or loose	2 40
Bladders in 25-lb. tins	2 35
Bladders in 12½-lb. tins	2 65
Bladders in bulk or tins less than 100 lb	2 90

Varnishes.

In 5-gal. lots.	Per Gal. net.
Carriage, No. 1	1 50 1 60
Pale Durable body	4 10 4 25
" rubbing	2 85 3 20
Gold Size, Japan	2 85 3 00
No. 1 Brown Japan	0 85 0 90
Elastic Oak	1 50
Furniture, extra	1 25
" No. 1	1 10
Hard Oil Finish	1 65 1 75
Light Oil Finish	1 40 1 60
Demar	1 70 1 85
Shellac, white	2 3 2 45
" orange	2 25 2 35
Turpentine Brown Japan	1 15 1 20
" Black Japan	0 85 1 20
" " No. 1.	0 50 0 75

Elastilite Varnish 1 gal. can, each, $2.00.
Granitine Floor Finish per gal., $2.75.
Maple Leaf Coach Enamels; Size 1, $1 20 Size 2, 70c.; Size 3, 40c. each
Sherwin-Williams' Copal Varnish, assorted case, from ½ pts. to 1 gal., $2.50.

Castor Oil

East India, in cases, per lb	0 09½ 0 10
" " small lots	0 10 0 10½

Cod Oil, Etc.

Cod Oil per gal	0 50 0 55
Pure Olive	1 20
" Neatsfoot	90

Glue.

Common	0 08½ 0 09
French Medal	0 14 0 14½
Cabinet sheet	0 12 0 13
White, extra	0 18 0 20
Gelatine	0 22 0 30
Strip	0 18 0 20
Coopers	0 19 0 20
Huttner	0 18

STEEL, PEECH & TOZER, Limited

Phœnix Special Steel Works. The Ickles, near Sheffield, England.

Manufacturers of

Axles and Forgings of all descriptions, Billets and Spring Steel, Tyre, Sleigh Shoe and Machinery Steel.

Sole Agents for Canada.

JAMES HUTTON & CO., - MONTREAL

HARDWARE.

Ammunition.

Cartridges.

B B Caps Dom. 50 and 5 per cent.
Rim Fire Pistol, dis 40 p. c., Amer
Rim Fire Cartridges, Dom., 5 (and 5 p. c
Central Fire Pistol and Rifle 10 p.c. Amer.
Central Fire Cartridges, pistol sizes Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 per cent.
Central Fire, Military and Sporting, Amer. add 5 p.c. to list. B.B. Caps, discount 40 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 10 p.c. advance on list.
Brass Shot Shells, 55 per cent.
Primers, Dom., 30 per cent.; American, $1.60.

Wads	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb. bags	70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 5
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	

	Per M
Chemically prepared black edge grey cloth wads, in boxes of 250 each—	
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 20 per cent.

Anvils.

Wright's, 80-lb. and over	0 10¾
Hay Budden, 80-lb. and over	0 09¼
Brook's, " " "	0 11¼

Augers.

Gilmour's discount 65 and 5 p.c. off list.

Axes.

Chopping Axes		
Single bit, per doz	5 50	10 00
Double bit, "	11 00	18 00
Bench Axes, 40 p.c.		
Broad Axes, 25 per cent.		
Hunters' Axes	5 50	6 00
Boys' Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Axle Grease.

Ordinary, per gross	5 75	6 00
Best quality	13 00	15 00

Bath Tubs.

Zinc	6 00
Copper, discount 15 p.c. off revised list	

Baths.

Standard Enameled.

5½-inch rolled rim, 1st quality	25 00
" " " 2nd "	21 00

Anti-Friction Metal.

"Tandem" A	per lb.	0 27
" B	"	0 21
" C	"	0 11½
Magnolia Anti-Friction Metal, per lb		0 25
Frictionless metal, per lb		0 23

SYRACUSE SMELTING WORKS.

Aluminum, genuine	0 41
Dynamo	0 27
Special	0 22
Aluminum, 99 p.c. pure "Syracuse"	0 45

Bells.

Hand

Brass, 60 per cent.
Nickel, 55 per cent.

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Door.

Gongs, Sargant's	5 50	8 00
" Peterboro', discount 45 per cent		

Farm.

American, each	1 25	3 00

House.

American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00
Blacksmiths', discount 40 per cent.		

Belting.

Extra, 60 per cent.
Standard, 60 and 10 per cent.
No. 1, not wider than 6 in., 50 10 and 10 p.c.
Agricultural, not wider than 4 in., 75 p.c.

Bits.

Auger.

Gilmour's, discount 60 and 5 per cent.
Rockford, 50 and 10 per cent.
Jennings' Gen. net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind and Bed Staples.

All sizes, per lb	0 07¾	0 12

Bolts and Nuts.

	Per cent.
Carriage Bolts, common ($1 list)	55
" " full square ($2.40 list)	55
" " Norway iron ($3 list)	50
Machine Bolts, all sizes	50 and 5
Plough Bolts	50 and 5
Blank Bolts	50 and 5
Bolt Ends	50 and 5
Sleigh Shoe Bolts	65 and 5
Coach Screws, cone point	66⅔
Nuts, square, all sizes, 3½c per lb off.	
Nuts, hexagon, all sizes, 3¾c. per lb. off.	
Stove rods, per lb	5½ to 6c.
Nuts, in 50 lb. lots ¼c. per lb extra, in less than 50 lb lots, ½c extra.	

Boot Calks.

Small and medium, ball, per M	4 25
Small heel, per M	4 50

Bright Wire Goods.

Discount 62½ per cent

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent

Henis, No. 8		6 00
Henis, No. 9, "		7 00
Queen City "	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	19 00	20 00

Butcher Knives.

Bailey's, per doz	0 60	6 30

Building Paper, Etc.

Tarred felt, per 100 lb	1 70
Ready roofing, 2-ply, not under 45 lb. per rol	85
Ready roofing, 3-ply, not under 65 lb. per roll	1 10
Carpet felt, per ton	45 00
Dry sheathing, per roll, 400 sq. ft.	30
Tar sheathing, " " "	40
Dry fibre " " "	50
Tarred fibre, " " "	60
O.K. & I.X.L., " " "	65
Resin-sized, " " "	40
Oiled sheathing, " 600 "	1 10
" " " 400 "	70
Roof coating in barrels, per gal.	17
" " small packages	25
Refined tar, per barrel	4 50
Coal tar, "	4 00
Coal tar, less than barrels, per gal.	15
Roofing pitch, per 100 lb	85

Bull Rings.

Copper, $2.00 for 2½ in. and $1.90 for 2 in.

Butts.

Wrought Brass net revised list.

Cast Iron.

Loose Pin, dis., 60 per cent.

Wrought Steel

Fast Joint, dis. 65, 10 and 2½ per cent.
Loose Pin, dis. 65, 10 and 2½ per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.
Gen. Bronzed, per pair | 0 40 | 0 65

Carpet Stretchers.

American, per doz	1 00	1 50
ullard's, per doz	6 50	

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	8 50	9 50

Cement.

Canadian Portland	1 90	2 75
English "	3 00	3 15
Belgian "	2 50	2 75
Canadian hydraulic	1 25	1 50

Chalk.

Carpenters Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 70 per cent.
Warnock's, dis. 70 per cent.
P. S. & W. Extra 60, 10 and 5 p.c.

Churns.

Revolving Churns, metal frames—No. 0, $8—No. 1, $8.50—No. 2, $9.00—No. 3, $10.00—No. 4, $12.00—No. 5, $16.00 each. Ditto, wood frames—20c. each less than above.
Discounts: Delivered from factories, 56 p.c.; from stock in Montreal, 54 p.c.
Terms, 4 months or 3 p.c. cash in 30 days

Clips.

Axle dis. 65 per cent.

Closets.

	Net.
Plain York or Ontario Syphon Jet.	$9 60
Emb. York or Ontario Syphon Jet.	10 20
Fittings	1 00
Plain Elgin or Teu. Syphon Washout	6 00
Emb. Elgin or Teu. Syphon Washout	6 60
Fittings	1 25
Low Down Elgin or Teutonic, plain	9 60
" " " " emb.	10 20
Plain Richelieu	4 00
Emb. Richelieu	4 25
Connections	1 25
Low Down Ont. Sy. Jet, plain	11 70
" " " " " emb'd.	12 30
Closet connection	1 25
Basins P.O., 14 in.	0 70
" oval 17 x 14 in.	1 50
" " 19 x 15 in.	2 25

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Conductor Pipe.

Plain or Corrugated.

2-inch, per 100 feet	3 00
3 " " "	4 00
4 " " "	5 25
5 " " "	6 75
6 " " "	9 00

Cradles, Grain.

Canadian, dis. 25 to 33⅓ per cent.

Crosscut Saw Handles.

S. & D., No. 3, per pair	17½
" " 5, "	22½
" 6, "	15
Boynto pattern "	20

Door Springs.

Torrey's Rod, per doz	(15 p.c.	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Coach and Wagon, dis. 50 and 10 per cent.
Carpenters, dis. 70 per cent.

Drills.

Hand and Breast

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis., 37½ to 40 per cent.
Standard dis. 50 and 5 to 55 per cent.

Faucets.

Common, cork-lined, dis. 35 per cent.

EAVE TROUGH.

10-inch, per 100 ft. $3 10

ELBOWS. (Stovepipe.)

	per doz.
5 and 6-inch, common	1 20
7-inch	1 35
Polished, 15c. per doz. extra.	

ESCUTCHEONS.

Discount, 40 per cent.

ESCUTCHEON PINS.

Iron, discount 40 per cent.

FACTORY MILK CANS.

Discount off revised list, 40 per cent.

FILES AND RASPS.

Great Western	70 and 10 per cent.
Arcade	70 " 10 "
Kearney & Foot	70 " 10 "
Disston's	70 " 10 "
American	70 " 10 "
J. Barton Smith	70 " 10 "
McClellan	70 " 10 "
Eagle	70 " 10 "
Nicholson, 60 and 10 to 60, 10 and 5	"
Royal	80 "
Globe	70 to 75 "

Black Diamond, 60 and 10 to 60, 10 and 5 p.c.
Jowitt's, English list, 25 to 27½ per cent.
Nicholson File Co.'s "Simplicity" file handle per gross, 85c. to $1.50.

GLASS—Window—Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	D. Diamond Per 50 ft.	D. Diamond Per 100 ft.
Under 26	2 20	4 25	....	6 25
26 to 40	2 40	4 65	....	8 75
41 to 50	....	5 10	....	7 50
51 to 60	....	5 35	....	8 50
61 to 70	....	5 75	....	9 75
71 to 80	....	6 25	....	11 00
81 to 85	....	7 00	....	12 55
86 to 90	....	7 75	..	15 00
91 to 95	..	....	..	17 50
96 to 100	.. ..	....	..	20 50

GAUGES

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's Nos. 26 to 33, each | 1 65 | 2 40

HALTERS.

Rope, ⅜ per gross	....	....
" ½ "	....	9 00
" ⅝ to ¾	....	14 00
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, —per doz	1 87	2 45

HAMMERS.

Nail

	Can.	dis.
Maydole's, dis. 5 to 10 per cent		25 to 27½ per cent.

Tack.

Magnetic per doz	1 10	1 20

Sledge.

Canadian per lb	0 07½	0 08⅓

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz. net	1 50	2 00
Store door, per doz	1 00	1 50

Fork.

C. & B., dis. 40 per cent. rev. list.

Hoe.

C. & B., dis. 40 per cent. rev. ist.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 75

Hammer and Hatchet.

Canadian, 40 per cent.

Cross-Cut Saws.

Canadian, per pair	0 13¾

HANGERS.

	doz. pairs.	
Steel barn door	5 85	6 00
Stearns, 4 inch	....	5 00
" 5 inch	....	6 50
Lane's covered—		
No. 11, 5-ft. run	....	8 40
No. 11½, 10-ft. run	....	10 80
No. 12, 10-ft. run	....	12 60
No. 14, 15-ft. run	....	21 00
Lane's O.N.T. track, per foot	....	4½

HARVEST TOOLS

Discount, 60 per cent.

HATCHETS

Canadian, dis. 40 to 42½ per cent.

SANITARY BUILDING PAPERS.

Any Building Paper that will turn musty after being exposed to dampness is unsanitary and dangerous to health.

A first-class Building Paper should be Water-proof, Vermin-proof, Air-tight and Durable. Our Tarred Fibre and O. K. Building Papers meet all the above requirements.

Don't be afraid to use Tarred Building Paper as it is healthy and the odor soon passes away. If you will use an Untarred Building Paper, however, try our Dry and Resin Sized Fibre which won't turn musty under any circumstances.

THE PATERSON MFG. CO., Limited, TORONTO and MONTREAL.

HINGES.

Blind, Parker's, dis. 50 and 10 to 60 per cent.
Heavy T and strap, 4-in., per lb.... 0 06½
" " 5-in., " 0 06¼
" " 6-in., " 0 06
" " 8-in., " 0 05¾
" " 10-in., " 0 05½
Light T and strap, dis. 65 and 5 per cent.
Screw hook and hinge—
6 to 10 in., per 100 lbs.... .... 4 50
12 in. up, per 100 lbs..... .... 3 25
Per gro. pairs
Spring..... .... 12 00

HOES.

Garden, Mortar, etc., dis. 60 p.c.
Planter, per doz..... 4 00 4 50

HOLLOW WARE

Discount,..... 45 and 5 per cent.

HOOKS.

Cast Iron.

Bird Cage, per doz.....	0 50	1 10
Clothes Line, per doz.....	0 27	0 63
Harness, per doz.....	0 72	0 88
Hat and Coat, per gross.....	1 00	3 00
Chandelier, per doz.....	0 50	1 00

Wrought Iron.
Wrought Hooks and Staples, Can. dis. 47½ per cent.
Wire.
Hat and Coat, discount 45 per cent.
Belt, per 1,000 ..... 0 60
Screw, bright, dis. 55 per cent.

HORSE NAILS.

"C" brand 50 and 7½ p.c. off new list } Oval-head
"M" brand 50, 10 and 5 per cent. }
Countersunk, 60 per cent.

HORSESHOES.

Iron Shoes.	F.O.B. Montreal No. 2 and larger.	No. 1. and smaller.
Light, medium and heavy...	3 50	3 75
Snow shoes.....	3 75	4 00
Steel Shoes.		
Light.....	3 60	3 85
Featherweight (all sizes)....	4 85	4 85

F.O.B. Toronto, Hamilton, London and Guelph, 10c. per keg additional.
Toe weight steel shoes..... 6 70

JAPANNED WARE.

Discount, 45 and 5 p c. off list, June 1899.

ICE PICKS.

Star per doz..... 3 00 3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.
Copper, per lb..... 0 30 0 50
American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 45 p.c.
Cabinet, trunk, and padlock, Am. per gross 60

KNOBS.

Door, japanned and N.P., per doz.....	1 50	2 00
Bronze, Berlin, per doz.....	2 75	3 25
Bronze Genuine, per doz....	6 00	9 00
Shutter, porcelain, F. & L screw, per gross	1 30	4 00
White door knobs—per doz.	95	1 00

HAY KNIVES.

Discount, 50 and 10 per cent.

LAMP WICKS.

Discount, 60 per cent.

LANTERNS.

Cold Blast, per doz.....	7 00
No. 3 "Wright's".....	8 50
Ordinary, with O burner.....	4 00
Dashboard, cold blast.....	9 00
No. 0.....	5 75

Japanning, 50c. per doz. extra

LEMON SQUEEZERS.

Porcelain lined, ...per doz.	2 20	5 60
Galvanized.....	1 87	3 85
King, wood.....	2 75	2 90
King, glass.....	4 00	4 50
All glass.....	1 20	1 30

LINES.

Fish per gross.....	1 05	2 50
Chalk "	1 90	7 40

LOCKS.

Canadian, dis 40 p.c.
Russel & Erwin per doz.... 3 00 3 25
Cabinet.
Eagle, dis. 30 p.c.

Padlocks.

English and Am. per doz....	50	6 00
Scandinavian, "	1 00	2 40

Eagle, dis. 20 to 25 p.c.

MACHINE SCREWS. Iron and Brass.

Flat head discount 25 p.c.
Round Head discount 20 p.c.

MALLETS.

Tinsmiths' per doz.....	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz..	3 85	5 00
Caulking each.....	60	2 00

MATTOCKS.

Canadian, per doz..... 5 50 6 50

MEAT CUTTERS.

American, dis. 25 to 30 p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are:	Cut.	Wire.
2 d and 3d	$3 45	$3 55
3 d	3 10	3 22
4 and 5d..... ..	2 85	3 05
6 and 7d.....	2 75	2 90
8 and 9d.....	2 60	2 70
10 and 12d.....	2 55	2 65
16 and 20d..	2 50	2 60
30, 40, 50 and 60d. (base).....	2 45	2 55

Wire nails in carlots are $2.50
Galvanizing 2c. per lb. net extra.
Steel Cut Nails 10c. extra.
Miscellaneous wire nails, dis. 75 p.c.
Coopers' nails, dis. 30 per cent.
Flour barrel nails, dis. 25 per cent

NAIL PULLERS.

German and American..... 1 85 3 50

NAIL SETS.

S uare round, and octagon per gross..... 3 38 4
Diamond..... 12 00 15 0

POULTRY NETTING.

2-in. Mesh, 19 w.g., dis. 60 p.c.
2-in. Mesh, 18 w.g. and heav er, 50 and 10 p.c.

OAKUM. Per 100 lb

Navy	6 00
U.S. Navy.....	7 25

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal. per doz..... .... 10 00
Zinc and tin, dis. 50, 50 and 10.

Copper, per doz.....	1 25	3 50
Brass, "	1 50	3 50

Malleable, dis. 25 per cent.

GALVANIZED PAILS.

Dufferin pattern pails, dis. 45 p.c.
Flaring pattern, discount 45 per cent.
Galvanized washtubs discount 45 per cent.

PIECED WARE.

Discount 40 per cent. off list, June, 1899.
10-qt. flaring sap buckets, dis. 40 p.c.
6, 10 and 14-qt. flaring pails, dis. 40 p.c.
Creamer cans, dis. 40 p.c.

PICKS.

Per doz..... 6 00 9 00

PICTURE NAILS.

Porcelain head, per gross...	1 75	3 00
Brass head "	0 40	1 00

PICTURE WIRE.

Tin and gilt, discount 75 p c.

PINE TAR.

½ pint in tins, per gross.	7 80
1 " "	9 60

PLANES.

Wood, bench, Canadian dis. 40 per cent. American dis. 50.
Wood, fancy Canadian or American 7½ to 40 per cent.

PLANE IRONS.

English, per doz..... 2 00 5 00

PLIERS AND NIPPERS.

Button's Genuine per doz pairs, dis. 37½ 40 p.c.
Button's Imitation, per doz.. 5 00 9 00
German, per doz..... 0 60 2 60

PLUMBERS' BRASS GOODS.

Standard Compression work, dis. 60 p.c.
"J.M.T." Cushion work, dis. 50 p.c.
Fuller work, dis. 65 p.c.
6 doz. lots and over of the above, extra dis. 10 p c.
Lever Handle Stops and Waste, discount 60 p.c. With, in lots of 2 doz. and over, an extra dis. of 10 p.c.
"J.M.T." Globe, Angle and Check Valves, dis 55 p.c.
Standard Globe, Angle and Check Valves, dis. 65 p.c.
"J.M.T." Radiator Valves, dis. 55 p c.
Standard " " dis., 65 p.c.
Patent Quick Opening Valves, dis. 70 p.c.
No. 1 compression bath cock, net .. 2 00
No. 4 " " 2 00
No. 7, Fuller's 2 20
No. 4½, " 2 35
Patent Compression Cushion, basin cock, hot and cold, per doz 15 00
Patent Compression Cushion, bath cock, No. 2208..... 2 25
Square head brass cocks, 60 p.c.
" " iron " 60 p.c.
Competition Globe, Angle and Check Valves discount, 70 p. c.
Competition Quick Opening Radiator Valves, discount, 70 p.c.

PRESSED SPIKES.

Discount 22½ per cent.

PULLEYS.

Hothouse, per doz.....	0 55	1 00
Axle.....	0 22	0 33
Screw.....	0 27	1 00
Awning.....	0 35	2 50

PUMPS.

Canadian cistern.....	1 80	3 60
Canadian pitcher spout.....	1 40	2 10

PUNCHES.

Saddlers', per doz.....	1 00	1
Conductors's '	9 00	15 00
Tinners', solid, per set.....	0 00	0 72
" hollow per inch.....	0 00	1 00

RANGE BOILERS.

	Net.
Dominion, 30 gal.	5 75
Dominion, 35 "	6 75
" 40 "	7 75
Ronald's Galvanized, 30 gallons	6 50
" " 35 "	7 50
" " 40 "	8 50
Copper, 30 gallons.....	20 00
" 35 "	23 20
" 40 "	26 40

RAKES.

Wood, per doz. net 110

RAZORS.

	per doz.	
Elliot's	4 00	18 00
Geo. Butler & Co.'s.....	4 00	18 00
Boker's.....	7 50	11 00
" King Cutter.....	12 50	50 00
Wade & Butcher's	3 60	10 00
Theile & Quack's.....	7 00	12 00
Bailey's	6 00	12 00
Carbo Magnetic Razor		15 00
Griffon Barbers' Favorite		10 75
Griffon No. 65.....		13 50
Griffon Safety Razors.....		13 50
" Stropping Machines.		13 50

All other razors 50 p.c. off catalogue price.

REGISTERS.

Discount ..... 40 per cent

RIVETS AND BURRS.

Iron Rivets, black and tinned, discount 60 and 10 per cent.
Iron Burrs, discount 55 per cent.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets with usual proportion burrs, 45 and 10 dis., cartons, 1c. per lb. extra, net.
Copper Burrs only, 30 and 10 p.c.
Extras on Tinned or Coppered Rivets, ½-lb. cartons, 1c. per lb.

RIVET SETS.

Canadian, dis. 35 to 37½ per cent.

ROPE, ETC.

Sisal	13
Pure Manilla.....	16
"British" Manilla	14½
Cotton, 3-16 inch and larger.....	16
" 5-32 inch.....	21
" ⅛ inch	22
Russia Deep Sea.	15
Jute.....	8
Lath Yarn	12
Sisal bed cord, 48 ft..... per doz.	65
" " 60 ft..... "	80
" " 72 ft..... "	95

RULES.

Boxwood, dis. 55 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS. per set.

Mrs. Potts, No. 55, polished.	65
" No. 50, nickle-plated.	75

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ pe cent.
B & A. sand, 40 and 5 per cent.
Emery, 40 per cent.
Garnet (Rurton's), 5 to 10 p.c. advance on list.

SAP SPOUTS.

Bronzed iron with hooks, per doz. 9 50

SAWS.

Hand Disston's, dis. 12½ p.c.
S. & D., 40 per cent.
Crosscut, Disston's, per ft.. 0 35 0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.
Hack, complete, each 0 75 2 75
" frame only 0 75

SASH WEIGHTS.

Sectional, per 100 lbs.....	2 25	2 50
Solid, "	1 75	2 00

SASH CORD.

Per lb..... 0 23 0 30

SAW SETS.

Lincoln and Whiting, per doz.	4 75
Hand Sets, No. 1 Woodyatt (Morrill)	4 25
X-cut Sets, No. 3 Woodyatt (Morrill)	9 50

SCALES.

Fairbanks Standard, 35 p.c.
" Dominion, 55 p.c.
" Richelieu, 55 p.c.
Warren's new Standard 45 p.c.
" " Champion 55 p.c.
Burrow, Stewart & Milne—
Imperial Standard, 45 per cent.
Weigh Beams, 35 per cent.
Champion Scales, 55 per cent.

SCREW DRIVERS.

Sargent's per doz..... 0 65 1 00

SCREWS.

Wood, F.H., bright and steel, 87½ and 10 p.c.
Wood R. H., " dis. 82½ and 10 p.c.
" F. H., brass dis. 80 and 10 p.c.
Wood, R. H., " dis. 75 and 10 p.c.
" F.H., bronze, dis. 75 p.c.
" R.H. " 70 p.c.
Drive Screws, 87½ and 10 per cent.
Bench, wood, per doz. 3 25 4 00
" iron, " 4 25 5 00
Set, Case hardened, 60 per cent.
Square Cap, 50 and 5 per cent.
Hexagon Cap, 45 per cent.

SCYTHES.

Per doz., net..... ..... 5 00 8 00

SCYTHE SNATHS.

Canadian, dis. 45 p.c.

SHEARS.

Bailey Cutlery Co., full nickeled, dis. 60 and 2½ p.c.
Bailey Cutlery Japan handles, 67½ p.c.
Seymour's, dis. 50 and 10 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SINKS.

Steel and galvanized, discount 45 per cent

SNAPS.

Harness, German, dis. 25 p.c.
Lock, Andrews'..... 4 50 11 50

SOLDERING IRONS.

1, 1½ lb., per lb.....	0 37
2 lb. or over, per lb.....	0 34

SQUARES.

Iron, No. 493, per doz.....	2 40	2 55
" Mo. 494, "	3 25	3 40

Steel, dis. 60, 10 and 5 p.c.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.

Plain, dis., 75 and 12½ p.c. off revised list.
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized.....	3 25	3 50
Plain.....	2 90	3 15

Coopers', discount 45 per cent.
Poultry netting staples, 40 per cent.

STANDARD CHAIN CO., PITTSBURGH, U. S. A.

MANUFACTURERS OF

CHAIN OF ALL KINDS.

Proof Coil, B.B., B.B.B., Crane, Dredge Chain, Trace Chains, Cow Ties, etc.

ALEXANDER GIBB, Montreal. —Canadian Representatives— **A. C. LESLIE & CO., Montreal.**

For Provinces of Ontario and Quebec. **For other Provinces.**

STOCKS AND DIES.

American dis. 25 p.c.

STONE.	Per lb.	
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip,	0 09	0 09
Labrador	....	0 13
" Axe	....	0 15
Turkey	....	0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, 2 in, 40 to 200 lb, per ton	....	25 00
" under 40 lb. "	....	28 00
Grind. under 2 in. thick "	....	29 00

STOVE PIPES.

5 and 6 inch Per 100 lengths	....	7 00
7 inch " "	....	7 50

ENAMELINE STOVE POLISH.

No. 4—3 dozen in case, net cash	$4 80
No. 6—3 dozen in case, "	8 40

TACKS, BRADS, ETC.

Cheese-box tacks, blued	80 & 12½
Trunk tacks, black and tinned	85
Carpet tacks, blued	80 & 15
" " tinned	80 & 20
" " (in kegs)	40
Cut tacks, blued, in dozens only	80
" ¼ weights	60
Swedes cut tacks, blued and tinned—	
In bulk	80 & 10
In dozens	75
Swedes, upholsterers', bulk	85, 12½ & 12½
" brush, blued & tinned, bulk	70
" gimp, blued, tinned and japanned	75 & 12½
Zinc tacks	35
Leather carpet tacks	55
Copper tacks	50
Copper nails	52½
Trunk nails, black	65 and 5
Trunk nails, tinned	65 and 10
Clout nails, blued	65 and 5

Chair nails		35
Patent brads		40
Fine finishing		40
Lining tacks, in papers		10
Lining tacks, in bulk		15
" " solid heads, in bulk		75
Saddle nails in papers		10
" " in bulk		15
Tufting buttons, 22 line, in dozens only		60
Tin capped trunk nails		25
Zinc glazier's points		5
Double pointed tacks, papers	90 and	10
" " " bulk		40
Shoe nails		60
Clinch and duck rivets		45

TAPE LINES.

English, ass skin, per doz.	2 75	5 00
English, Patent Leather	5 50	9 75
Chesterman's each	0 90	2 85
" steel, each	0 80	8 00

TINNERS' SNIPS.

Bailey's, dis. 25 p.c.

THERMOMETERS.

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TRAPS. (Steel.)

Game, Newhouse, dis. 25 p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's discount 10 per cent.

German, per doz.	4 75	6 00

S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb.	....	0 27
Wrapping, cotton, 3-ply		0 18½
" 4-ply	....	0 23½
Mattress, per lb.	0 33	0 45
Staging, "	0 27	0 35

VISES.

Wright's	....	0 13½
Brook's	....	0 12¾
Pipe Vise, Hinge, No. 1	....	3 50
" " " No 2	....	5 50
Saw Vise	4 50	9 00

ENAMELLED WARE.

White, Princess, Turquoise, Blue and White, discount 50 per cent.
Diamond, Famous, Premier, 50 and 10 p.c.
Granite or Pearl, Imperial, Crescent, 50, 10 and 10 per cent.

WIRE.

SMOOTH STEEL WIRE.

No. 0-9 gauge		$2 60
10 "	6c.	extra.
11 "	12c.	"
12 "	20c.	"
13 "	30c.	"
14 "	40c.	"
15 "	55c.	"
16 "	70c.	"

Add 60c. for coppering and $2 for tinning.

Extras net per 100 lb. — Oiled wire 10c., spring wire $1.25, special hay baling wire 30c., best steel wire 75c., bright soft drawn 15c., charcoal (extra quality) $1.25, packed in casks or cases 15c., bagging and papering 10c., 50 and 100-lb. bundles 10c., in 25-lb. bundles 15c., in 5 and 10-lb. bundles 25c., in 1-lb. hanks 50c., in ½-lb. hanks 75c., in ¼ lb. hanks $1.

Fine Steel Wire, dis. 22½ per cent List of extras: In 100-lb. lots: No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, 7.65—No. 24, $8—No. 25, $9—No. 26 $9.50—No. 27, $10—No. 28, $11 No. 29. $12—No. 30, $13—No. 31, $14—No. 32 $15, No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31 $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles, 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.50 to $3.85—No. 9, $2.85 to $3.15—No. 10, $3.60 to $3.95—No. 11, $3.70 to $4.10—No. 12, $3 to $3.30—No. 13, $3.10 to $3.40—No. 14, $4.10 to $4.50—No. 15, $4.60 to $5.05—No. 16, $4.85 to $5.35. Base sizes, Nos. 6 to 9 $2.52½ f.o.b. Cleveland.
Clothes Line Wire, regular 7 strand No. 17, $4.65; No. 18, $2.90; No. 19, $2.60. Hollow 6 strand, No. 17, $4.30; No. 18, $2.70, No. 19, $2.35; No 20, $2.30, f.o.b. Hamilton, Toronto Montreal.

WIRE FENCING.

Galvanized barb	....	3 00
Galvanized, plain twist	....	3 00

Galvanized barb, f.o.b. Cleveland, $2.77½ in less than carlots, and $2.65 in carlots

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net.. 1 37½
Terms, 3 per cent. off 30 days.

WASTE COTTON.

	per lb.
Colored	6
White	8

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 60 p.c.
Coe's Genuine, dis. 20 to 25 p.c.

Towers' Engineer, each	2 00	7 00
" S., per doz.	5 80	6 00
G. & K.'s Pipe, per doz.	....	3 40
Burrell's Pipe, each	....	3 00
Pocket, per doz.	0 25	2 90

WRINGERS.

Leader per doz.	$30 00	33 00
Royal Canadian	"	24 00
Royal American	"	24 00
Sampson	"	24 00

Terms 4 months, or 3 p.c. 30 days.

WROUGHT IRON WASHERS.

Canadian make, discount, 40 per cent.

ADVERTISING in WESTERN CANADA

will be Carefully Efficiently, and Promptly attended to, by

The Roberts Advertising Agency,

WINNIPEG CANADA.

Standard Paint & Varnish Works, Limited
Makers of High Grade Varnishes, Japans, Paints, Colors & Enamels
Windsor, Ont.

"PULLMAN"

TROUSER or SKIRT HANGERS.

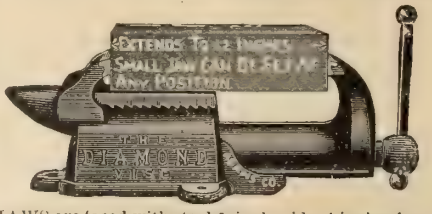
TWO SIZES

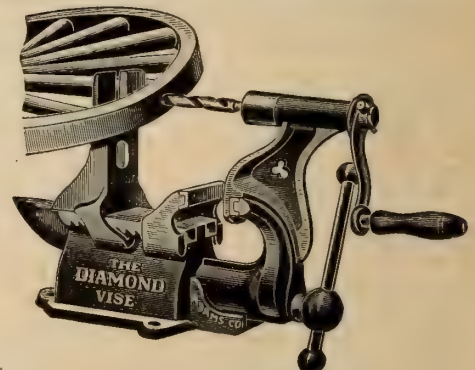


PULLMAN SASH BALANCE CO.,
ROCHESTER, N.Y., U.S.A.

DIAMOND VISE AND DRILLING ATTACHMENT

U. S. Patent Jan. 15, '95. Canadian Patent July 22, '95.



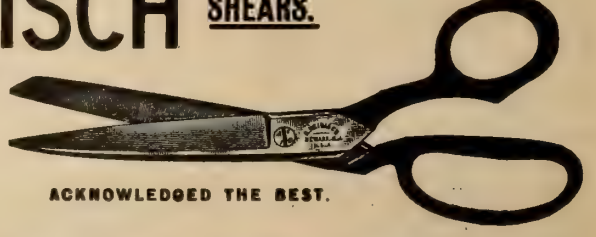


JAWS are faced with steel ⅞ inch wide, 4 inches long, firmly fastened to jaw, checked and hardened.
VISE weighs 38 pounds. DRILL weighs 13 pounds.
For Sale by Jobbers of Hardware.

Made by—
The Adams Company, Dubuque, Iowa, U.S.A.
Made by **A. R. Woodyatt & Co.,** Guelph, Ont.

CELEBRATED **HEINISCH** SHEARS.

Tailors' Shears,
Trimmers, Scissors,
Tinners' Snips, etc.



ACKNOWLEDGED THE BEST.

R. HEINISCH'S SONS CO. NEW YORK OFFICE, 90 Chambers St. NEWARK, N.J., U.S.A.

Not connected with any Shear Combination.



Ontario Nut Works, Paris

BROWN & CO.

Manufacturers of

All sizes of Hot Pressed Nuts, Square and Hexagon.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker,

13 St. John Street, Montreal

Representing British and American Manufacturers. Correspondence invited from firms wishing to be represented in Canada.

"THE EMLYN" SAW BENCH

Made in 6 sizes. Best value obtainable. Specially designed for export With or without "Emlyn" Patent Guard. Sole maker—

CHARLES D. PHILLIPS,

Cables—"Machinery," Newport. Emlyn Engineering Works, NEWPORT, MON., ENGLAND.

ONTARIO SILVER CO.,

Limited,

NIAGARA FALLS, CANADA.

Manufacturers of **FLATWARE, CUTLERY and ELECTRO PLATE.** . . .

Ask for our Catalogue and Quotations.

Removal Notice.

The Batty Stove & Hardware Co.

Successors to

The Toronto Branch of THE COPP BROS. CO., Limited.

Have removed their Offices and Warerooms to **76 YORK ST.** (south of King), where they will continue in the wholesale trade only, handling

STOVES AND RANGES
STOVE REPAIRS, ETC.
MANTELS, GRATES AND TILES
HOT-AIR REGISTERS A SPECIALTY

New Address—76 York Street.

HAND-FORGED **BUTCHER KNIVES** HAND-GROUND

Made from Best English Double Shear Steel



Fully Warranted

STANDARD SHAPES AND HIGHLY POLISHED

Also

Steel-Laid Shears and Scissors and Hand-Forged Razors

Made by

BAILEY CUTLERY CO., LIMITED

Write for Catalogue. **BRANTFORD, CANADA.**

CHAS. F. CLARK, President. **JARED CHITTENDEN, Treasurer.**

...ESTABLISHED 1849...

BRADSTREET'S

Capital and Surplus, $1,500,000. **Offices Throughout the Civilized World.**

Executive Offices: Nos. 346 and 348 Broadway, New York City, U.S.A.

THE BRADSTREET COMPANY gathers information that reflects the financial condition and the controlling circumstances of every seeker of mercantile credit. Its business may be defined as of the merchants, by the merchants, for the merchants. In procuring, verifying and promulgating information, no effort is spared, and no reasonable expense considered too great, that the results may justify its claim as an authority on all matters affecting commercial affairs and mercantile credit. Its offices and connections have been steadily extended, and it furnishes information concerning mercantile persons throughout the civilized world.

Subscriptions are based on the service furnished, and are available only by reputable wholesale, jobbing and manufacturing concerns, and by responsible and worthy financial, fiduciary and business corporations. Specific terms may be obtained by addressing the Company at any of its offices. **Correspondence Invited.**

——OFFICES IN CANADA——

HALIFAX, N.S. HAMILTON, ONT. LONDON, ONT. MONTREAL, QUE.
OTTAWA, ONT. QUEBEC, QUE. ST. JOHN, N.B. TORONTO, ONT.
VANCOUVER, B.C. VICTORIA, B.C. WINNIPEG, MAN.

THOS. C. IRVING. Gen. Man. Western Canada, Toronto. JOHN A. FULTON. Gen. Man. Eastern Canada, Montreal.



Canadian Representative: ALEXANDER GIBB, 13 St. John St., MONTREAL.

75 YEARS. ***ESTABLISHED 1825.*** ***75 YEARS.***

BEAMS CHANNELS ANGLES PLATES

1,500 TONS FOR SALE

All of this material in lengths from 40 to 60 feet.
We can ship promptly, and should be pleased to receive your order.
Prices and stock lists on application.

STEEL FRAME BUILDINGS and ROOF TRUSSES.

Also Steel Bridges for Railways and Highways.

THE HAMILTON BRIDGE WORKS COMPANY LIMITED

Long Distance Telephone, Hamilton 630. **HAMILTON, CANADA.**



Est. 1868 Inc. 1895

Black Diamond File Works

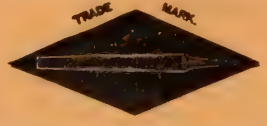
G. & H. Barnett Company

PHILADELPHIA

Twelve Medals



Awarded
By **JURORS** at
International Expositions
Special Prize
Gold Medal at Atlanta, 1895



RUBBER HOSE

FOR

Water	Air	Suction
Steam	Acids	Fire Protection
Gas	Brewers	Pneumatic Tools

SUPERIOR IN QUALITY.
SATISFACTORY IN SERVICE.

When you want anything made of rubber, write to us.

THE GUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

Head Office and Warerooms—
45-47-49 West Front St.

TORONTO,

Factories—115-165 West Lodge Ave.
124-148 O'Hara Ave.

CANADA.

We can quote lowest prices for the following goods in quantities, viz.:

BLACK STEEL SHEETS.
POLISHED STEEL SHEETS.
RANGE STEEL.
GALVANIZED SHEETS.
CANADA PLATES.
SHEET COPPER.
SHEET ZINC.
TIN PLATES—Coke and Charcoal.
WINDOW GLASS
PLATE GLASS.
WHITE LEAD.
RED LEAD.

Send us your enquiries when next in the market.

B. & S. H. THOMPSON & CO.

53 St. Sulpice Street,

MONTREAL.

VARNISHES AND JAPANS

McCASKILL, DOUGALL & CO.

Manufacturers MONTREAL



Standard Railway and Carriage Varnishes
Standard Boat and Spar Varnishes
—Wont turn white from the effects of water and sun.
Standard Piano, Furniture and Decorative Varnishes
Zanzerine Transparent Wood Finishes and Varnishes
Architectural Varnishes

OFFICES:

161 Summer St., BOSTON, Mass., U.S.A.

30 St. John St., MONTREAL.

Don't pay for a fantastical name. Get practical worth by using
LANGWELL'S BABBIT
MONTREAL.

CANADIAN
HARDWARE
AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XIV. MONTREAL AND TORONTO, MAY 10, 1902 NO. 19.

POCKET KNIVES
H. BOKER & COS
IMPROVED
TREE BRAND
TRADE MARK
RAZORS CUTLERY SCISSORS

FOR SALE BY LEADING WHOLESALE HARDWARE HOUSES.

If any other brand will do in place of "QUEEN'S HEAD," buy . . . . .

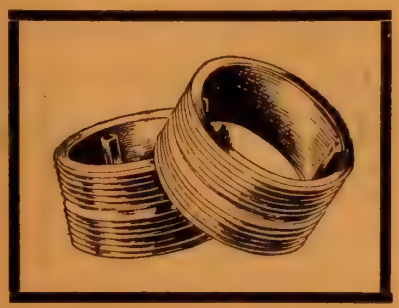
"Fleur de Lis"

FLEUR DE LIS.

NOT a second quality, but "QUEEN'S HEAD" quality with ordinary galvanizing. Rapidly coming to the front for work where a heavy coating is not needed.

JOHN LYSAGHT, Limited, Makers, BRISTOL, ENG.
A. C. LESLIE & CO., MONTREAL, Managers Canadian Branch.

"That Made the Hit"



This is a drawing of the Patent Connection that made the "SAFFORD" famous the world over; that revolutionized radiator building; that made it possible to put a radiator together without bolts, red lead, rods or packing.

The "SAFFORD" is the only radiator on the market for hot-water and steam heating. It means satisfaction every time—is easy to handle for the contractor.

If you have not our Catalogue, write to us.

THE DOMINION RADIATOR CO., Limited

Head Office and Works: DUFFERIN ST. TORONTO, CAN.

BICYCLE SUNDRIES

We have purchased several

Bankrupt Stocks and offer **Special Prices**

while they last on

TIRES, INNER TUBES, Etc.

RICE LEWIS & SON

LIMITED

Write for Catalogue.

TORONTO.

BRASS COPPER

ROD,
SHEET,
TUBING.

BAR,
INGOT,
SHEET,
TUBING.

M. & L. SAMUEL, BENJAMIN & CO.

27 Wellington St. West,

TORONTO, ONT.

English House: SAMUEL, SONS & BENJAMIN, 164 Fenchurch St., LONDON, E.C.

THEY'RE ALL ALIKE

THAT'S THE BEAUTY OF THE

CARBO MAGNETIC



No Saw Edges
No Soft Spots
No Temper Streaks
No Returned Blades to the Dealer
Will Shave for Years Without Requiring Honing

Sold by all Leading Jobbers.

FIRM OF

A. L. SILBERSTEIN

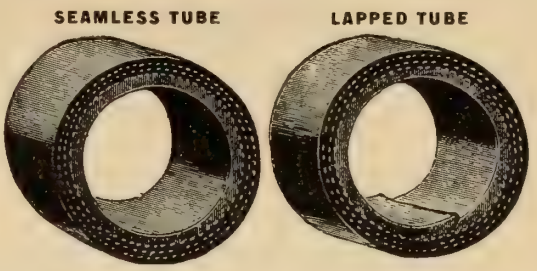
Mfrs. of "Griffon" CUTLERY

459-461 Broadway, NEW YORK CITY.

BOOKLET COMING—
if you'll ask for a copy with trade discount.

GARDEN HOSE

Seamless Tube.



All brands of our **GARDEN HOSE** are made with our

Patent Seamless Tube

WRITE FOR DISCOUNTS.

The Canadian Rubber Co.

MONTREAL TORONTO WINNIPEG

Other Tools are very good Tools, but

"YANKEE TOOLS"

ARE BETTER



No. 15. "Yankee" Ratchet Screw Driver, with Finger Turn on Blade.



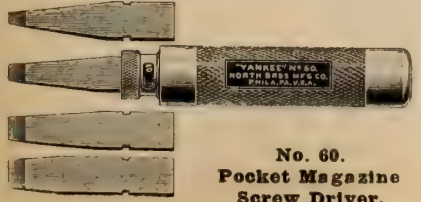
No. 30 "Yankee" Spiral-Ratchet Screw Driver, Right and Left Hand.



No. 41. "Yankee" Automatic Drill, Eight Drill Points in Handle.



No. 50. "Yankee" Reciprocating Drill, for Iron, Steel, Brass, Wood, etc.



No. 60. Pocket Magazine Screw Driver.

Our "YANKEE" Tool Book tells all about them. Mailed free on application. . . . . .

Manufacturers also of

LIGHTNING, GEM and BLIZZARD Ice Cream Freezers.

Toy Freezers, Ice Shaves and Ice Chippers.

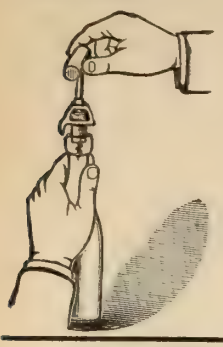
Fluting Machines, Hand Fluters.

Sold by Leading Jobbers in Canada.

NORTH BROS. MFG. CO.,

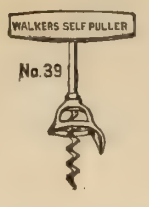
Philadelphia, Pa., U.S.A.

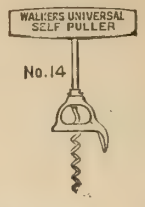
See! You Don't Have to Pull. A Child Can Do It.













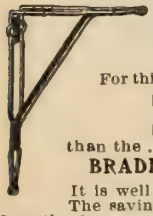


Walker's Self-Pulling Cork Screws

Made of Crucible Steel, Nickel Plated, Polished Apple Wood Handles.

EVERY ONE TESTED AND GUARANTEED. Several imitations on the market, but none as good.

Mfrd. only by ERIE SPECIALTY CO., Erie, Pa., U.S.A.



Will Hold Up a Shelf!

That's what a shelf bracket is for. For this purpose there can be

NOTHING BETTER

NOTHING CHEAPER

than the . . . .

BRADLEY STEEL SHELF BRACKET

It is well **Japanned, Strong** and **Light.** The saving in freight is a good profit, aside from the **lower price** at which the goods are sold.

☞ Order direct or through your jobber.

ATLAS MFG. CO., New Haven, Conn., U.S.A

GALVANIZING

Our plant is modern, and capacity large. Prices O.K. Other branches:

WINDMILLS, PUMPS, TANKS, FOUNDRY WORK, ETC., ETC.

Ontario Wind Engine & Pump Co., Limited, 505 Atlantic Ave., Toronto

Lockerby & McComb

AGENTS IN CANADA

FOR THE

Celebrated P. & B. Cold Storage Lining

AND

. . Ruberoid Roofing . .

P. S.--Prices on Application.

65 Shannon Street, MONTREAL.

Stove Bricks.

We have them in every variety and at closest prices. Prompt shipment. Write for Catalogue.

JONES BROS., Bracondale, P.O., Ont.

Lace Leather

Send direct to us for the celebrated "NIAGARA" Brand Lace Leather, best produced in this country. Yellow and White in Sides or Cut Strings. Prices and Samples on application.

WOOD BROS.
Tanners of High-Class Leathers,
ST. CATHARINES, ONT.

FILES. RASPS.

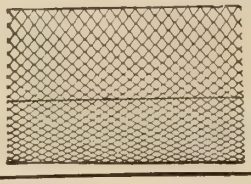
WE ARE NOT IN THE TRUST.

Quality of our goods guaranteed and our discounts very liberal. A trial order solicited. Write for discounts.

99 Niagara St., **TORONTO FILE CO.**

CANADIAN GOODS FOR CANADIANS.

NOTE CLOSE MESH AT BOTTOM ☞



Page Acme Poultry Netting

is close meshed at bottom and does not require rail or board support at edges, having strong straight wire (No. 12 guage) at top, bottom and in centre, cannot sag and is easy to erect. The "Page Acme" netting is of neat appearance, very durable and cheap. We also make farm and ornamental fence, gates, nails and staples. The name of Page is your guarantee of quality.

The Page Wire Fence Co., Limited, Walkerville, Ont. 5

IT IS IMPOSSIBLE TO GET WIRE

as promptly as desired from the Mills, which, we understand, are now about thirty days behind in filling orders. We prepared for this contingency and can promise shipment within twenty-four hours after receipt of order for any standard size **COILED SPRING WIRE.**

The Frost Wire Fence Company, Limited

WELLAND, ONT.

BISHOP & CO.

Established 1850.

27 and 28 Little Trinity Lane, - LONDON, ENG.

54 Scotland St., SHEFFIELD
Table Cutlery, all qualities.

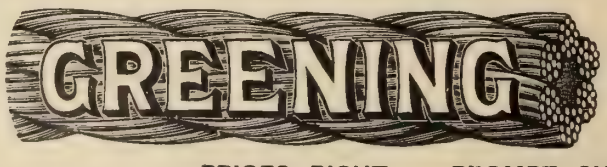
23 Vittoria St., BIRMINGHAM
Wrought Steel Pots, round or oval.
Tinned inside or enamelled.

Samples on view at the following Agencies:—

Alex. Thurber, 446 St. Paul St., - - MONTREAL.
E. Fielding, 34 Yonge St., - - TORONTO.
E. L. Denoncourt, 74 St. Joseph St., - QUEBEC.

WIRE ROPE

Wire Rope. OF



All Kinds and Sizes AND FOR **All Purposes.**

PRICES RIGHT. PROMPT SHIPMENTS.

The B. GREENING WIRE CO., Limited

Hamilton, Ont. **Montreal, Que.**

MAR 12 1902

SCREEN GOODS DIRECTORY SHOWING THE BEST PEOPLE TO BUY FROM

KEEP OUT THE FLIES



A "FLY" SHEET—JUST ISSUED—showing our lines of

SCREEN DOORS AND WINDOW SCREENS

AND ACCESSORIES.

Better ask us to mail you same if not already in receipt of it.

LEWIS BROS & CO.,
Toronto—87 York St.
Ottawa—54 Queen St.
MONTREAL.

Elsewhere on this page, **LEWIS BROS & CO., of Montreal,** call especial attention to their

Screen Door 604.

The trade will do well to have them quote price on this as well as other lines of which they issue a special circular.

TOPSY TURVY

That may be the condition of your mind when considering the purchasing of screen doors, window screens, etc. If in doubt as to what patterns will sell best simply consult

LEWIS BROS. & CO., Montreal.

They will set you right and sell you right.

GET OUR PRICES ON THE FOLLOWING:

Screen Door Latches, Screen Door Springs, Screen Door Pulls and Corner Brackets.

LEWIS BROS. & CO., - MONTREAL.

TORONTO, 87 York St. OTTAWA, 54 Queen St.

HARDWARE

for **SCREEN DOORS** and **WINDOW SCREENS.**

Our stock comprises all the requisites for Screen Doors and Window Screens. Write for prices.

LEWIS BROS. & CO.

Montreal Toronto Ottawa

HAVE YOU PLACED YOUR ORDER?

DOES YOUR PRESENT STOCK NEED REPLENISHING?

SPRING HINGES

THE KINDS TO BUY
THE KINDS TO SELL

5 STYLES

FROM WHICH TO SELECT.

Send for circular, it also shows other goods that sell with spring hinges

LEWIS BROS. & CO.

TORONTO, 87 York St.
OTTAWA, 54 Queen St.

MONTREAL

Screen Doors Window Screens

Let us supply during the season. We make the prices to your liking.

LEWIS BROS. & CO.
MONTREAL
Toronto, 87 York St. Ottawa, 54 Queen St.

A DOOR TO ADORE

OUR BEAUTIFUL PATTERN

604

Choice stock, sanded and smoothed, very latest pattern of quiet yet artistic design. Our screen door circular illustrates and describes it.

Lewis Bros. & Co.,
MONTREAL

TORONTO, 87 York Street.
OTTAWA, 54 Queen Street.

SEND US YOUR ORDERS FOR

WIRE SCREEN CLOTH

BIG STOCK
ALL WIDTHS

LEWIS BROS. & CO.
MONTREAL
TORONTO, 87 York St.
OTTAWA, 54 Queen St

"HUMMER," "KLONDIKE,"
"PENNSYLVANIA,"

Window Screens.

SOLD BY

Lewis Bros. & Co., Montreal

TORONTO, 87 YORK ST. | OTTAWA, 54 QUEEN ST.

IF YOU WANT GOODS QUICK MAIL YOUR ORDERS TO

LEWIS BROS. & CO.
MONTREAL.

TORONTO, 87 YORK ST.
OTTAWA, 54 QUEEN ST.

WIRE SCREEN CLOTH

Write to LEWIS BROS. & CO., Montreal.
They never fail to ship it promptly by water or rail.

TORONTO:
87 York St.

OTTAWA:
54 Queen St.

HENRY ROGERS, SONS & CO.,

SHEFFIELD, ENGLAND

Manufacturers of the celebrated



H R S & C°

IMITATION RUSSIA IRON.
CANADA PLATES, "H. R. S. & CO."
TINPLATES, "ROGERS'" COKES.
"H. R. S. & CO." CHARCOALS
PLAIN GAL'D WIRE.

Canadian Office:

6 ST. SACRAMENT ST., MONTREAL

F. A. YORK, Manager.

ROBLIN'S PATENT MILKING PAILS.



Latest and Best.

These pails are made of IX old method Tin, with patent locking attachment on covers so milk cannot spill, also furnished with strainer in cover, keeping milk pure.

Manufactured by

E. T. WRIGHT & CO., Hamilton and Montreal.

KNOX HENRY

Heavy Hardware and Metal Broker
Room 32 Canada Life Bldg., MONTREAL.



Samples sent free on application.

HORSE NAILS — **"C"** Brand Horse - Nails Canada Horse Nail Co.

"BRASSITE" GOODS — Gunn Castor Co. Limited, Birmingham, Eng.

STANDARD TIN WORKS

MANUFACTURERS OF

TINWARE AND TIN CANS

Fruit Cans, Meat Cans,
Jacketed Oil Cans,
Baking Powder Cans,
Lard Pails, Etc.

JAS. A. McGOLPIN
156-162 Duke Street, TORONTO.

"A WORD TO THE WISE IS SUFFICIENT."

Gold Dollars at 90c. each won't sell until you have convinced the customer that they are genuine. Have you the time to make the argument to do the convincing?

ALABASTINE is the standard wall-coating **"The World Over."** Would any dealer want to spend the time to convince a customer that a substitute, or something else, is "just as good" as **CHURCH'S**

ALABASTINE ?

Besides, substitution is suspicious, and often bears earmarks of a swindle.

We do not claim to know all that can be learned about the manufacture of wall coatings, but twenty-five years of experience must count for something, and the fact that **ALABASTINE** is the goods that are in demand speaks volumes in its favor.

Never until **M. B. Church** introduced **ALABASTINE** was it found practicable to make wall-coating adapted to be mixed with cold water.

We own the patents on the cold water process, and this statement is our only argument at this time on that point.

ALABASTINE is healthful and beautiful, has stood the test of time; is manufactured in Canada, and recommended by leading sanitarians throughout the country. There is nothing "just as good." Buy only the genuine.

Manufactured by — **THE ALABASTINE CO., LIMITED, Paris, Ont.**

—The Trade supplied by—

Sanderson Pearcy & Co., Toronto, Ont.
G. F. Stephens & Co., Winnipeg, Man.
Miller, Morse & Co., Winnipeg, Man.
Vancouver Hardware Co., Vancouver, B C.
Wood, Vallance & Co., Hamilton, Ont.
William Hill, Montreal, P.Q.

STEVENS-MAYNARD JR. RIFLE

The Young Gentleman's Rifle.



The Young Gentlemen's Rifle.

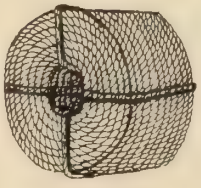
If you want the best cheap rifle ever made we have it in the Stevens-Maynard Jr. It will be a great seller this year. Better place order now.

The leading Jobbers handle Stevens products.

J. Stevens Arms & Tool Co., P.O. Box 217 Chicopee Falls, Mass., U.S.A.

THE INDEPENDENT CORDAGE CO., Limited,

TORONTO.



Highest Award Pan-American Exposition,

MANUFACTURERS OF ALL KINDS OF

SISAL MANILA **ROPE,** Lath Yarn, Shingle Yarn, Hide Cord, Pulp Cord, Clothes Lines **BINDER TWINE**

Transmission Rope a Specialty.

TRADE



MARK

Nobles & Hoare,

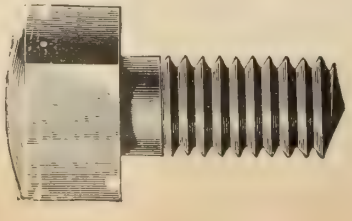
CORNWALL ROAD STAMFORD STREET.

LONDON, ENG.

Manufacturers of

HIGH-CLASS VARNISHES ONLY

Which can be obtained direct from the works or from the principal Color Dealers in Canada.



THE JOHN MORROW MACHINE SCREW COMPANY, Limited

Manufacturers of

Set and Cap Screws, Special Milled Work, Engine Studs, Etc. Cold Punched Nuts of every variety of finish.

INGERSOLL, ONT.

WINDOW GLASS—TO IMPORT.

Prompt Deliveries

EVERY KIND OF PLATE AND WINDOW GLASS IN STOCK.

BENT GLASS of all kinds, our own manufacture. Closest Prices.

TORONTO PLATE GLASS IMPORTING CO.,

Hill & Rutherford

Warerooms and Offices—135 to 143 Victoria St.
Bending Works—209 to 213 Victoria St.

TORONTO

Use Syracuse Babbitt Metal

IT IS THE BEST MADE.



For Paper and Pulp Mills, Saw and Wood Working Machinery, Cotton and Silk Mills, Dynamos, Marine Engines, and all kinds of Machinery Bearings.

Wire, Triangular and Bar Solder, Pig Tin, Lead, Ingot Copper, Ingot Brass, Antimony, Aluminum, Bismuth, Zinc Spelter, Phosphor Tin, Phosphor Bronze, Nickle, etc., always in stock.

CANADIAN WORKS, MONTREAL, P.Q.
AMERICAN " SYRACUSE, N.Y.

Syracuse Smelting Works



Steel Frame Churn.

DAVID MAXWELL & SONS

ST. MARYS, ONT., CANADA.

"Maxwell Favorite Churn"

PATENTED FEATURES: Improved Steel Stand, Roller Bearings, and Foot and Hand Lever Drive, and Detachable Driving Link. Improved for season of 1902. Steel or Wood Frame as desired.

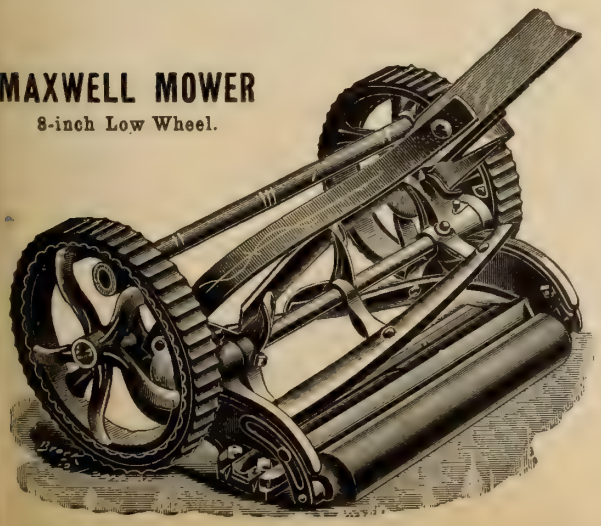
Wheelbarrows. In Four different Sizes.

Lawn Mowers. High and Low Wheels. from 12 in. to 20-in, widths. Cold Ro led Steel Shafting, Crucible Steel Knives and Cutting Plate.

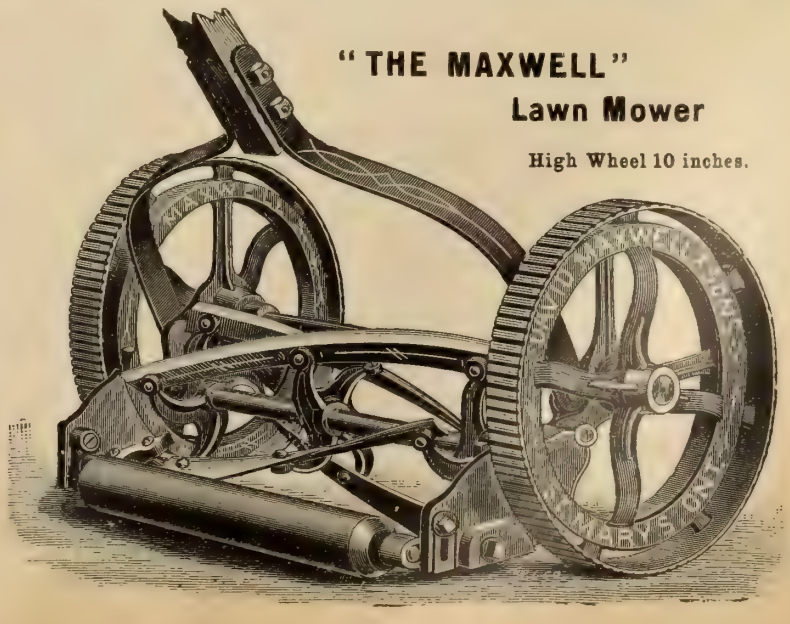
If your Wholesale House does not offer you these articles

SEND DIRECT TO US.

MAXWELL MOWER
8-inch Low Wheel.



"THE MAXWELL"
Lawn Mower
High Wheel 10 inches.



The Demand for our

IMPERIAL OXFORD

Kitchen Range increases daily.

We are kept busy all year round trying to fill orders on time.

Every one sold causes other sales, so enthusiastic are householders over its improved features.

ITS EASE OF REGULATION
ECONOMY IN USING FUEL
ITS DIFFUSIVE FLUE CONSTRUCTION
FRONT DRAW-OUT GRATE
OVEN THERMOMETER
DRAW-OUT OVEN RACK

and other conveniences, give it a superiority quickly appreciated.

You're sure of speedy sales when handling the Imperial Oxford. Write us for full information and price list if you have none in stock.



THE GURNEY FOUNDRY CO., Limited

TORONTO. WINNIPEG. VANCOUVER.

THE GURNEY-MASSEY CO., LIMITED, MONTREAL.



Australasian Hardware and Machinery.

The Organ of the Hardware, Machinery and Kindred trades of the Antipodes.

SUBSCRIPTION $1.25 PER ANNUM,

post free to any part of the world.

PUBLISHING OFFICES:
Melbourne - Fink's Buildings.
Sydney, - - - Post Office Chambers.

AMERICAN OFFICES:
New York, - Park Row Building.

BRITISH OFFICES:
London, - - - 42 Cannon St., E.C.

Specimen Copies on application.

CANADA FOUNDRY COMPANY.

LIMITED.

MACHINE SCREW DEPARTMENT

HEAD OFFICE: TORONTO, ONT.

DISTRICT OFFICES:

MONTREAL, HALIFAX, WINNIPEG, VANCOUVER, OTTAWA, ROSSLAND, B.C. VICTORIA, B.C.



Coupling Bolts, Machine Screws, Cold Pressed Nuts, Studs, Cap and Set Screws Special Milled Work, etc.

SEND FOR PRICE LIST NO. 1001

THE C H Co LTD.

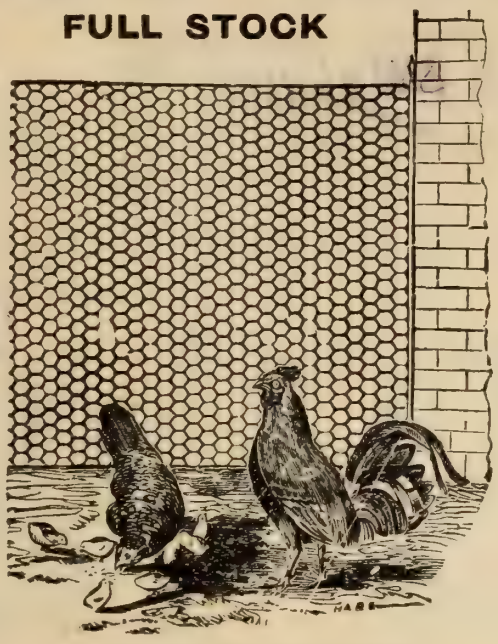
Barb Wire WE HAVE IT

THE C H Co LTD.

FULL STOCK

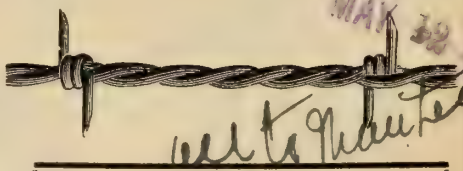
Plain Twist,
Barb Wire, 2 x 5
Barb Wire, 4 x 6
AT
LOWEST PRICES.





POULTRY NETTING

When others fail you, try us—It will pay you.



MAIL ORDERS GIVEN PERSONAL ATTENTION

Ordered Before **NOON**
Shipped Before **NIGHT**

Galvanized Iron,
Black Sheets,
Canada Plates,
Terne Plates.

THE CANADA HARDWARE CO., LIMITED

Offices: 10 DE BRESOLES ST. **MONTREAL** Warehouse: 43-45 COMMON ST.

ESTABLISHED 1750

THE EDINBURGH ROPERIE & SAILCLOTH Co Ld

TELEGRAPHIC ADDRESS ROPERIE

LEITH SCOTLAND





MANUFACTURERS OF EVERY DESCRIPTION OF



CORDAGE & CANVAS



MANILA ROPE
SISAL ROPE
NEW ZEALAND ROPE
RUSSIAN ROPE
JUTE ROPE
FISHING LINES
NETTING TWINES
PARCEL TWINES
SPUNYARNS & PACKINGS
BAILING ROPES & CORDS

TRADE R E Co MARK 1750

SAILCLOTH
STEAMER CLOTHS
AWNINGS
TENT CLOTHS
DUCKS
PRESSING CLOTHS
TARPAULINGS
CHEMICAL WATERPROOF
SEAMING TWINES
ROPING TWINES



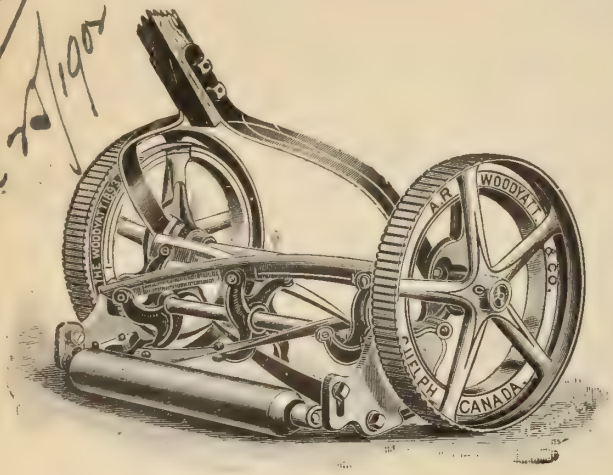
BUYERS OWN SAMPLES MATCHED AT LOWEST TRADE TERMS

ADDRESS ALL COMMUNICATIONS TO OUR CANADIAN OFFICE AND STORES,

THE EDINBURGH ROPERIE & SAILCLOTH CO'Y, Limited, - - 9 St. Peter Street, MONTREAL.

"WOODYATT" and "STAR" LAWN MOWERS

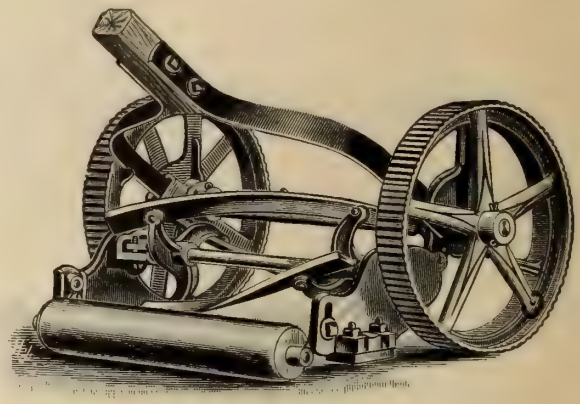
are constructed of the best material we can buy, and together with the simple adjustments, ease in operating, and the perfect work performed makes it mere pastime to use them.



The "Woodyatt" Mower.

We Guarantee all our Machines.

Write for Catalogue.

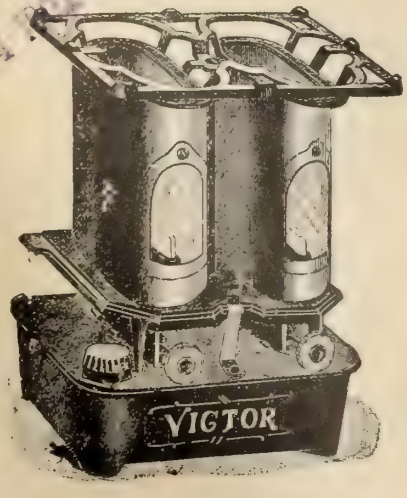


The "Star" Mower.

A. R. Woodyatt & Company, Guelph, Canada.

LARGEST HARDWARE MANUFACTURERS IN CANADA.

KEMP'S "VICTOR" and "DAISY" OIL STOVES Can't be Beat



For lightness, durability and burning qualities.

They have large Oil Founts and 4½-in. Burners, giving larger flame and consequently greater heat than other makes.

They neither smoke nor smell.

They will give your customers perfect satisfaction.

They are made in one, two and three burners.

Increase your trade by handling these leaders.

WE WILL BE PLEASED TO QUOTE YOU.

KEMP MANUFACTURING CO., TORONTO, CAN.

HARDWARE AND METAL

VOL. XIV. MONTREAL AND TORONTO, MAY 10, 1902. NO. 19.

President:
HN BAYNE MacLEAN,
Montreal.

The MacLean Publishing Co.
Limited

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P.E. Island and Newfoundland.

OFFICES.

MONTREAL - - - 232 McGill Street. Telephone 1255.
TORONTO - - - 10 Front Street East. Telephone 2701 and 2702.
LONDON, ENG. - - 109 Fleet Street, E.C. W. H, Miln.
MANCHESTER, ENG. - - 18 St. Ann Street. H. S. Ashburner.
WINNIPEG - - - Western Canada Block. J. J. Roberts.
VANCOUVER, B.C. - - - Flack Block. J. A. Macdonald.
ST. JOHN, N.B. - - No. 3 Market Wharf. J. Hunter White.
NEW YORK - Room 442 New York Life Bldg.

Subscription, Canada and United States, $2.00.
Great Britain and elsewhere - - 12s.

Published every Saturday.

Cable Address { Adscript, London. / Adscript, Canada.

WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

CANADIAN AND FOREIGN HANDLES.

THE agreement reached by the Canadian Handle Association has not been attended with the results that it was expected would follow therefrom.

It is stated that the handle manufacturers were under the impression that the members of the Canadian Hardware Association would consent to confine their purchases of handles to the Canadian article. This was in part agreed upon by Western firms, who virtually gave the manufacturers to understand that all the houses in Canada would do likewise. But when a deputation from The Canadian Handle Association was met by the Montreal hardwaremen, in a meeting at which the trade was well represented, there was not by any means a unanimity of opinion on the subject.

While some firms agreed to buy only the Canadian handle, others have so far refused to bind themselves to any such agreement. The members of The Canadian Handle Association were very much disappointed over this, and a meeting is being held to consider whether to take any further steps in the matter. No definite and final answer, however, has been given by the hardware firms, and it is thought by some that they will yet agree to handle only the Canadian goods.

While it is to be regretted that the trade cannot see their way clear to come to the manufacturers' terms, yet it must be said that such is much easier to do in the West, where American handles have not taken such a hold, than in Montreal and that vicinity where a demand has sprung up for the white handles of the United States that must be met, and where a prejudice—though a very silly one—has existed against the red wood handles. Why it is that the matter of color enters into the purchase of a handle so much is hard to tell. Our manufacturers have no difficulty in selling their goods in England, no matter what may be the amount of red wood they contain. The wood is certainly superior to that of the United States, the handles are as well made, and are of greater value, notwithstanding color, than anything of the kind produced by American manufacturers.

He is a foolish man who believes he is perfect; but he is a wise man who strives to get as near perfection as possible.

UNCLEAN BANK BILLS.

IN the House of Commons, on Tuesday, the question of unclean bank bills in circulation in the Dominion was briefly discussed. It was brought to the attention of the House by Dr. Sproule. The Hon. Mr. Mulock explained that clean Dominion notes could be obtained if anyone asked the banks for them.

This is a matter which has been discussed in these columns before, and it is a pity that something has not been done to rectify the matter. Everyone who is conversant with the unclean character of many of the bills knows that they are not only dirty in appearance, but frequently emit an offensive odor.

Were it not a fact that coin is bulky, and often inconvenient, the unpopularity of paper money, on account of its uncleanliness, would certainly cause people to use the coinage rather than the latter.

As Mr. Mulock pointed out, clean bills can be obtained on application to the banks, and it is to be hoped that business men, particularly, will, by carrying out this suggestion, bring about the use of cleaner money, and cause that which is unclean to be kept out of circulation.

A more drastic, and perhaps a more effective, remedy would be to compel in some way the banks to keep back from circulation dirty and offensive bills that pass through their hands.

It is obvious that some severe measures should be adopted to abate the evil. It is to be hoped that some good will result from the ventilation which the subject received in Parliament, superficial and all as that ventilation was.

WHY GOODS ARE NOT DELIVERED PROMPTLY.

HARDWARE AND METAL has on several occasions within the last few months referred to the scarcity of steel and iron, and the difficulty of getting delivery, in many instances the manufacturers refusing to accept orders unless for delivery from three to nine months hence. The scarcity in these particular lines is to some extent reflected in products of a higher state of manufacture. The wholesale hardware houses are receiving letters from the manufacturers explaining that it is impossible for them to fill orders promptly.

While this does not apply to manufacturers in all lines, yet it does to quite a few. This is particularly true in many lines of builders' hardware and tools, such as Maydole's hammers, Disston's saws, auger bits, and many other lines in mechanics' tools.

One manufacturer writes this week to a Canadian jobber to the effect that he would not be able to fill an order recently placed with him for a least four and a half months from the date of receipt of same. Many of the manufacturers, particularly in the United States, report when being pressed on account of the non delivery of goods that they are in many instances five months behind with their orders.

A good many importers in Canada, who were closely watching the trend of affairs in the iron and steel market, placed early in the season orders for goods which they thought would carry them over until the fall. In not a few lines, stocks of these goods are already exhausted, and they are unable to fill either their customers' orders or to get an immediate supply of goods from the manufacturers.

As we pointed out in a previous issue, the harvest tool manufacturers in Canada are very much handicapped on account of the scarcity of malleable iron.

There does not appear to be any sign of relief, particularly in view of the continued scarcity of iron and steel in their cruder forms. The rolling mills in Canada are all overtaxed to supply the demand for bar iron, and the representatives of some of the mills are still refusing to book orders, particularly if they are required to be filled within the next few months. The bolt manufacturers are, in turn, also getting more business than they can take care of, at any rate in a way that would satisfy their customers. The machine men and boilermakers are all very busy, and find it difficult to get a sufficient number of hands to carry on their work. Some of them, we learn, desire to run night and day shifts, but are unable to do so for this reason.

HARDWARE AND STRUCTURAL IRON

AS hardwaremen are already aware there is a large and increasing use of steel in the construction of buildings throughout Canada, as well as in the United States. While hardwaremen do not carry structural material in stock, it is no reason why they should not derive some benefit from the business in this line.

No doubt, by keeping their eyes open they would learn of opportunities whereby they might become the medium for doing business with the structural manufacturers. The Hamilton Bridge Works Co., of Hamilton, Ont., is, for example, one of the Canadian manufacturing firms who are making a specialty of structural material, and they are prepared to quote prices to the hardware trade. We would advise hardwaremen throughout the country to communicate with this company, and thus be placed in a position to take advantage of any business that might be offered in their respective localities.

NOVA SCOTIAN COAL FOR ONTARIO.

THE question of Nova Scotian coal being supplied to consumers in Ontario has been at times for a generation or more a subject for discussion. When, in 1879, a duty was put on bituminous coal, it was for the purpose of encouraging the home industry, and, possibly, eventually getting Nova Scotian coal into the Western Provinces.

The farthest, up to the present, any coal from Nova Scotia has come west is Brockville, and that was only one cargo.

In 1886, finding that the efforts to bring Nova Scotian coal into Ontario had failed, and, in order to encourage the establishment of blast furnaces in that Province, anthracite coal was placed on the free list, leaving the duty on bituminous as before.

The question of bringing Nova Scotian coal into Ontario has again been revived within the last week. A despatch from Sydney, Cape Breton, stating that arrangements were being made whereby barges would carry grain from Kingston to Montreal, and bring back coal on the return trip. Mr. Elias Rogers, of Toronto, the well-known coal merchant, and Senator Cox, who are both directors of the Dominion Coal Co., are said to be strong advocates of the undertaking. It remains to be seen whether the present efforts will be any more successful than those which have hitherto been made.

Ontario, of course, is a large buyer of bituminous coal, importing, as she does, nearly 3,000,000 tons, valued at about $4,227,000.

APPEALING TO THE PREMIER.

A DEPUTATION, representing the Toronto Board of Trade and the Canadian manufacturers, is to wait upon Sir Wilfrid Laurier on Tuesday next in order to impress upon him the necessity for the establishment of a Canadian trade office in London, and also the appointment of a Canadian trade commissioner there.

We are glad to see that these two influential bodies have taken upon themselves the task of jointly impressing this most important matter upon the attention of the Government. It is now two or three years at least since HARDWARE AND METAL first took this matter up, urging it upon the attention of Sir Richard Cartwright, the Minister of Trade and Commerce. Since then the Manufacturers' Association has been most active and persistent in the advocacy of the same, but Sir Richard seems to remain obdurate, and it is only proper that the matter should now be pressed upon the Premier himself.

There is no question about the need of such an office and of such a commissioner in London. Canada in this respect is far behind Australia. Canadian manufacturers and merchants who visit London on business have had this necessity impressed upon them time and again, but so far they appear to be unable to impress it upon the Minister of Trade and Commerce. The Premier has shown himself to be more impressible in other matters affecting the welfare of Canada, and, it is to be hoped, that he will also in this particular.

HARDWARE WINDOW DISPLAYS.

Hints and Suggestions . . . by an Expert.

NOW that housecleaning time is around once more and as many articles in the hardware line will be required "it's up to" the hardware window man to keep his trims frequently changed with such lines of merchandise as are required at this season. This journal presents in this issue an illustration of a catchy window display of paints and brushes. The illustration describes itself. The sign in centre is the main feature of this trim. The sign is painted on black cotton or print. Lettering is done in white. The cotton is stretched tightly on a frame. A display of somines are shown, as they are necessary adjuncts of each other. The general display usually seen in hardware windows is more or less confusing. All kinds of articles are jumbled in together and no special line appeals to the passer-by. It is therefore better, when possible, to stick to one line at a time. A good plan to try just at this time of year would be to make a trim (say, on Monday), of paints and brushes, then on Wednesday or Thursday change the display to one of, say, step-ladders only. These are in great demand just now for housecleaning. Price ticket difficult to display. An attractive exhibit of these goods was recently made in one of the big concerns in Toronto. The rough drawing shows design made of one-inch lumber on which the various articles were shown. This design was covered in green felt. The goods were composed of the following, and were attached to the design with wire nails : Chisels, bits, planes, squares, files, braces, levels, etc. (See design.)

The design was propped up by supports from behind. The goods were arranged in fancy designs. The floor was covered in



NO. 1.—CATCHY DISPLAY OF PAINTS AND BRUSHES.

this kind is sure to be a business-bringing window. Any one in need of paints, or such goods as are shown here, could not help being impressed with the idea that this was the place to purchase.

Individual Displays.

Much better results will be obtained by showing only one line of goods at a time. In this way one particular line is brought to the observer's notice. There are exceptions to this idea, however, as in the case of the display of paints, where brushes and kal- each window, or each line of goods shown. Leave the ladders in a few days, and then change the window to one of garden tools. When these have had a few days' showing, make a display of screen doors and window screens, or refrigerators, or some such seasonable goods.

Don't forget that where goods are price-ticketed in the window the chances for disposing of them are greatly enhanced.

Builders' tools are also in demand just at this season of the year. This is a line very green felt, and the heavier articles were arranged neatly on it.

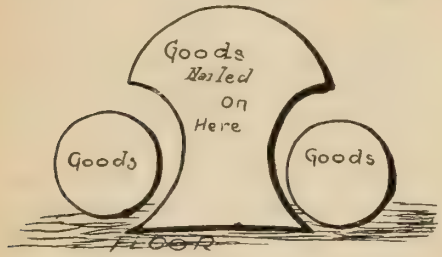
Cutlery and Plated Ware Display.

The illustration No. 3 shows a neat arrangement of table cutlery and plated ware. A solid background of ½-inch lumber is covered in black canton or felt. A design is drawn out with a piece of chalk and the goods are placeed on over the out-lining. The spoons are attached with pins. Bottom of window is puffed with black material, and the goods are arranged on

it. A neat ticket calling attention to the complete stock of cutlery would have added to the effectiveness of this trim.

Displays of Small Articles.

A good idea for stimulating trade through the windows is to take about a dozen small baskets, or as many as the window space



No. 2—Background for Displaying Tools.

will allow, and fill each basket with a line of small articles, staple goods, or little things that are in demand for everyday use. For instance, fill one with, say, tack-pullers, another with can-openers, scissors, corkscrews, penknives, forks, spoons, yard measures, screwdrivers, tack-hammers, files, gimlets, stove polishes, or any lines of small articles in tinware, agateware, etc. Arrange these on the floor of window and in each place a price ticket in large, bold letters. From this style of window great results are generally obtained. People are always attracted to a window by price tickets. Try this idea by way of experiment.

A Neat Trim.

A neat trim of hardware was recently seen in one of the big city stores. Carpenters' tools were used exclusively. Three wooden panels were used to show the goods on. They were about 3 ft. wide and about 7 ft. high, made of 1 in. thick lumber and covered in red felt. Two of them were covered with tools and placed in the window on an angle. The other was placed in centre of window and had nothing on it but a sample of every kind of door knob kept in the stock. A card on this read "A Knobby Door." The other panels had every article priced with a small, neat price-ticket. The floor was covered with the larger articles among the builders' stock. H.H.



No. 3.—Cutlery and Plated-ware Design.

LONDON BOARD OF TRADE.

THE London, Ont., Board of Trade held its annual meeting on May 3, and elected officers for the year ensuing. The result of the elections was as follows :

President—C. B. Hunt.

Vice-President — J. R. Minhinnick.

Secretary - Treasurer — J. A. Nelles.

Auditor—John Bowman.

Council—John Bowman, Jeremy Taylor, W. M. Gartshore, James Mattinson, John McClary, P. W. D. Broderick, A. B. Greer, J. W. Little, R. D. McDonald, G. deC. O'Grady, W. J. Reid and T. H. Smallman.

Board of Arbitration — W. C. Allen, J. H Ginge, C. S. Hyman, A St. L. McIntosh, John Pringle, J. A. Carrick, A. O. Graydon, C. W. Leonard, John McClary, D. S. Perrin, A. H. Beddome and F. G. Rumball.

Board of Examiners—J. I. A. Hunt, J. A. Carrick, John Sutherland.

Western Fair Representatives—John Bowman, J. W. Little, John Minhinnick, A. B. Greer, James Mattinson, W. J. Reid.

According to the yearly financial statement of the secretary-treasurer, the cash on hand in April, 1901, was $3.06 ; members' fees for 1901, in April 1902, $385 ; members' fees for 1902 paid, $150 ; total, $538.06. The disbursements amounted to $454.47. The assets were given as $933.59, with liabilities of $433. This report was adopted.

Statistics regarding the lead mining industry of British Columbia were received from the Nelson, B.C., Board of Trade, who are seeking assistance in their endeavor to have a higher import duty placed on lead.

The London, England, Chamber of Commerce wrote, urging that Canadian boards press for the enactment of a Dominion Insolvency Law.

A letter was received from Paul Jarvis, secretary of the Toronto Board of Trade, inviting representatives from the different boards of trade in the Dominion to be present at a conference to be held in Toronto on June 4, 5 and 6. The conference of the Colonial Premiers at London was deemed an exceptional opportunity for the presentation of many questions of great importance to Canada and resolutions will be submitted at the Toronto conference, and if adopted they will be given to Sir Wilfrid Laurier to bring before the conference in London. Among the questions instanced as deserving the consideration of the conference were cited the following : Trade relations within the Empire, transportation, defence, postal and telegraph communication, the recent action of the Imperial Government whereby a duty has been levied upon wheat and its products, without preference to the colonies.

President Hunt and James Mattinson were appointed to attend the conference in Toronto.

The secretary was instructed to write to the Post Office Department, asking for better mail arrangements on the L. E. & D. R. R.

SILVERWARE FOR HOTELS AND STEAMERS.

As mentioned in our previous issue The Toronto Silver Plate Co., Limited, are exceptionally busy. Another large order in hand is the silverware for "The King Royal" Hotel Co., of Owen Sound. It speaks well for the designs and quality of this company's goods that they are successful in securing so many orders of the kind, as no severer test for silverware can be had than hotel, club, steamboat and dining-car use.

Last week this company also shipped the silverware for the new steamer Huronic, built by The Northwest Transportation Company, and the week before for the steamer Montreal, built by The Richelieu and Ontario Navigation Company. In both cases they supplied complete services.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

James P. Carey, tinsmith, Granton, Ont., has assigned to Annie Carey.

H. Cairns & Co., general merchants, Sawyerville, Que., have assigned.

Edgar S. Durham, harnessmaker, Bradford, Ont., has assigned to John Elliott.

John Heppler, jr., harnessmaker, New Hamburg, Ont., has assigned to Jacob Heppler.

George Tuck & Co., asbestos and mill supplies, Montreal, have assigned to Kent & Turcotte.

The creditors of Joseph Savarie, general merchant, St. Antoine Abbe, Que., have held a meeting.

The creditors of George H. Harshaw, general merchant and hotelkeeper, held a meeting on April 8.

Wm. James Chapman, harnessmaker, Port Elgin, Ont., has assigned to J. A. Chapman, and his creditors held a meeting on May 9.

The creditors of E. N. Hurtubise & Co., general merchants and sawmill proprietors, Ottawa and West Aylwin, will hold a meeting on May 14.

PARTNERSHIPS FORMED AND DISSOLVED.

McDonald & Werner, stove and tinware merchants, Mitchell, Ont., have dissolved. Angus McDonald continues.

David Campbell & Son, coopers, etc., Montreal, have dissolved, and David Campbell has now registered.

Thompson & Allen, general merchants, Port Elgin, N.B., have admitted J. G. Lamb as partner, and the style is now Thompson, Allen & Lamb.

SALES MADE AND PENDING.

The assets of F. G. Dunning, general merchant, Beloeil, Que., have been sold.

J. Cobley, blacksmith, Caistor Centre, Ont., is advertising his business for sale.

Jacob Gallinger, blacksmith, McDonald's Corners, Ont., is advertising his business for sale.

Zryd & Co., hardware and paint and oil merchants, Hespeler, Ont., are selling out.

The real estate and book debts of James Ritchie, sr., blacksmith, Amherst, N.S., have been sold.

The stock of Hawkins Bros., general merchants, Blind River, Ont., has been sold.

The assets of P. Langlois, general merchant, St. Gregoire, Que., are to be sold on May 14.

The assets of C. A. Miller, general merchant, Windsor Mills, Que., are to be sold on May 14.

The assets of L. B. Fontaine, general merchant, St. Jacques L'Achigan, Que., have been sold.

The assets of Ovide Martin, general merchant, St. Guillaume D'Upton, Que., are to be sold on May 9.

CHANGES.

Brunet & Calestagne, painters, Montreal, have registered.

F. F. Powell & Co., roofers, etc., Montreal, have registered.

Urgele Carriere has registered for A. Carriere, painter, Montreal.

RIGHT NOW

during the busy paint season is when the full value of

THE SHERWIN-WILLIAMS
PAINT AND VARNISH AGENCY

is best appreciated.

It is now that our agents are reaping the greatest benefit from our immense selling organization. It is now that we are working hardest for them, giving them helps that enable them to do the biggest paint business in town—helps that bring paint orders every day in the week—helps that increase the sales in every department of the store.

There is more money and greater satisfaction for the dealer and consumer in The Sherwin-Williams Paints and Varnishes than in any other paints and varnishes in the market.

If you want to investigate the real worth of our goods—if you want to know how we get business for our agents—if you want information that will lead to a good paying paint trade, let us know and we'll send you the B-13 booklet, and refer you to merchants in towns near by you who are making money out of our goods.



THE SHERWIN-WILLIAMS CO.
PAINT AND VARNISH MAKERS.
CLEVELAND.
CHICAGO, NEW YORK, NEWARK, MONTREAL, BOSTON, TORONTO, SAN FRANCISCO. KANSAS CITY.



P. W. Cass, blacksmith, Hartland, N.W.T., has closed business.

W. H. McIntyre, pumps, Brandon, Man., is out of business.

Goulet & Tetreault, general merchants, Beloeil, Que., have registered.

Sam Rosenhek, general merchant, Oxford, N.S., has sold out to M. Cohen.

R. E. Reardon succeeds the late Wm. Reardon, broom manufacturer, Ottawa.

M. M. Tingley, general merchant, Albert, N.B., has removed to Amherst, N.S.

J. Rosenhek, general merchant, Campbellton, N.B., is succeeded by Rosenhek Bros.

Frank Dowkes, general merchant, Venlaw, N.W.T., is succeeded by F. L. Walker.

L. Guibord, general merchant, St. Ligouri, Que., is removing to St. Felix de Valois.

The estate of W. K. Kains, general merchant, Treadwell, Ont., is to be succeeded by J. O. Smith.

A. O. Veitch, general merchant, Richmond, Bayhan P. O., Ont., has sold out to M. C. Moore.

David F. Williams, general merchant, Port Burwell, Ont., has sold out to Savage & Wilson.

A. J. Hughes, lumber and implement agent, Souris, Man., has sold out to T. L. Arnett.

The Metallic Roofing Co., of Canada, Limited, Toronto, has opened a branch at Winnipeg.

The estate of James Hamilton, hardware merchant, Woodstock, Ont., has been sold to W. S. Rogers.

W. G. Elliott, agricultural implement agent, Pilot Mound, Man., is succeeded by Elliott & Gemmell.

A. M. McLean, general merchant, Jacquet River, N.B., is selling off his stock to close his business.

John Sussex, blacksmith and agricultural implement agent, London, Ont., is succeeded in blacksmithing by Alex. Johnston.

Fred Mullet, harnessmaker and dealer in leather and findings, Bancroft, Ont., has sold his harness department to Geo. Mitchell.

Douglas & Co., wholesale and retail hardware merchants, Amherst, N.S., are closing their grocery branch.

George Elliot, general merchant, Hamiota, Man., has sold his branch store at Crandell to Larimer & Brown.

FIRES.

F. G. Wurster, general merchant, Preston, Ont., has suffered loss by fire.

J. Arthur Gardiner, blacksmith, Villagedale, N.S., was burned out. There was no insurance.

DEATHS.

Wm. Hearle, tinsmith, Beamsville, Ont., is dead.

Alphonse Goyer, hide merchant, etc., Montreal, is dead.

Angus McDonald, general merchant, River Hebert, N.S., is dead.

J. Wesley Ross, wood merchant, Northeast Margaree, N.S., is dead.

Moses Staunton, president of Stauntons Limited, manufacturers of wall paper and window shades, Toronto, is dead.

A GOOD LINE TO PUSH.

THE World's Knife-cleaning Machine (which is fully patented all over the world) is a line which should at once attract the attention of every Canadian hardware buyer, as this little machine is a perfect wonder, and does the work much better than the large and expensive machines that are only suitable for hotel use. The price of the "World's" being but $4.50 places it within the reach of every housewife, being suitable for restaurant, hotel, club, etc., and it only requires to be shown to sell very rapidly.

In England, during the past year, over 25,000 machines were sold, and the sales are increasing each month. The proprietors, viz., The World's Manufacturing Co., 66 and 68 Victoria street, London, S. W. Eng., are enterprising and supply all their customers with most expensive and attractive display cards to boom sales.

On page 18 will be found their full-page advertisement which speaks for itself. The machine is of English make throughout.

The following description of the machine will no doubt be of interest. The use of two buff-covered discs for the purpose has been tried before with success, but to the best of our recollection this is the first time that the method has been employed horizontally. The result, as will be gathered from the illustration, is a compact machine. The base is of cast iron, and the internal frames, guards and neck are substantially constructed of the same material with steel spindle. The whole is neatly encased in a domed-sheet steel case. By a simple but ingenious device, the pressure of the upper disc on the lower can be nicely regulated by means of a screwed cap on the boss of the handle, and there is nothing whatever to damage or wear the knife, the spindle only being attached to



the top disc, driving power being given to the bottom disc by an ingenious contrivance. The knife is inserted on one side, and a guard is fixed here to support the handle whilst cleaning the bolsters, the back of the knife being also cleaned in the one operation. On the opposite side a second opening is provided through which the point of a large carver or any other long knife projects whilst the lower portion is being cleaned. Both openings are thoroughly well protected with leathers. Provision is made for the introduction of powder at the top, which automatically feeds through holes in the upper disc, and should any eventually collect in the base, the blade of a knife will withdraw this powder, which may be used repeatedly.

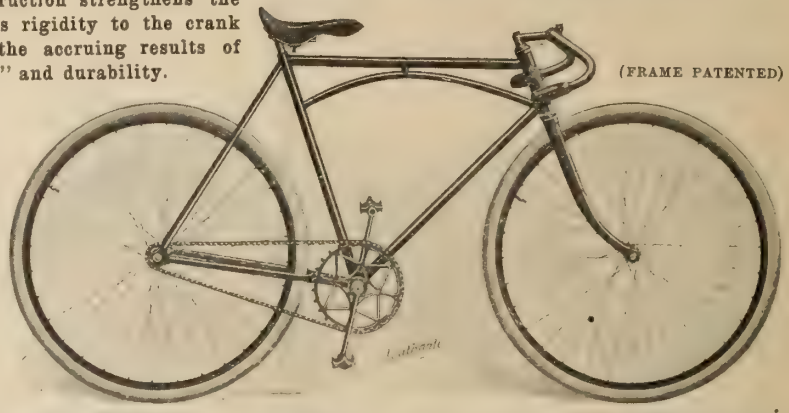
"Honest Cycles at Honest Prices"

A Bicycle so constructed that, with each thrust of the pedal, its hanger is forced to move out of alignment, **RUNS HARD** and will not wear well, as chain, sprockets, bearings and rear wheel are all subjected to unusual strains.

The Iver Johnson Truss Frame is the Solution

as this construction strengthens the frame and adds rigidity to the crank hanger, with the accruing results of "easy running" and durability.

(FRAME PATENTED)



Agents wanted in unoccupied territory.

Catalogues mailed free upon application.

IVER JOHNSON'S ARMS & CYCLE WORKS,

New York Salesrooms - 99 Chambers St. FITCHBURG, MASS.

THE BELLEVILLE BUSINESS COLLEGE, LIMITED

BELLEVILLE, ONTARIO.

Send for handsome Catalogue fully describing all Courses taught. J. Frith Jeffers, M.A, Principal.

We saw a machine tested in the company's warehouse, and have since subjected another to several tests under ordinary household conditions. We find that the knives are well and quickly cleaned with very little labor, and no strain whatever on the handle of the knife, and that there is nothing approaching dust or mess attending the operation. The base, dome and handle of the machines are highly finished in electro copper plated. The other external mountings are brass, and the dome is lettered in gold and makes a handsome ornament for any kitchen. There seems very little indeed to get out of order, but should any part require renewing at any time, the fittings are made interchangeable, and as everything is put together with screws and nuts, repairs should be easy and inexpensive. The weight of the machine, each packed in a wood case, is about 12 lb., and the size 11 x 11 in. and 7½ in. high.

We regret space forbids us to say more about this invention, and should recommend every dealer or merchant to order a stock at once, and feel sure he will never regret it.

A BIG TRANSPORTATION SCHEME.

A SYNDICATE has taken it in hand to provide a proper system of grain and general freight transportation from the great lakes to Montreal. Several prominent Canadians are interested in this scheme, among them being James Playfair, vice-president and general manager of The Midland Navigation Co., Midland, Ont.; John Bertram, president of The Bertram Engine Works, Toronto, and Joseph Kilgour, of Kilgour Bros., Toronto.

This company is at present in communication with the Montreal Harbor Board, asking them to recommend their project to the Government. As stated in the communication their plans are to erect elevators at Montreal and the Upper Welland canal. The elevator at Montreal would have a capacity of 1,000,000 bushels, and the other, at Port Colborne, a storage capacity of 2,000,000 bushels.

To provide the money for the building of these elevators a bond issue to run 30 years and bearing interest at the rate of 4 or 4½ per cent. is proposed. A sinking fund will be provided for in the bonds sufficient to pay them off at maturity.

The Government is desired to support the measure to the extent of guaranteeing the interest of the bonds of the company and the furnishing of free sites in localities where Government lands were suitable for the purpose.

It is hoped that by having elevators at Montreal ocean vessels could regularly come up the St. Lawrence for cargoes, as freight would be always awaiting them there. Grain would be attracted to Montreal through Canadian waterways and railways, and a regular and continuous carriage of Western grain to Montreal would take the place of that carriage which is now intermittent.

At present a large portion of the products of Western Canada reach the sea through United States channels. It is hoped by the scheme mooted to remedy this.

SATURDAY HALF-HOLIDAY IN ST. JOHN.

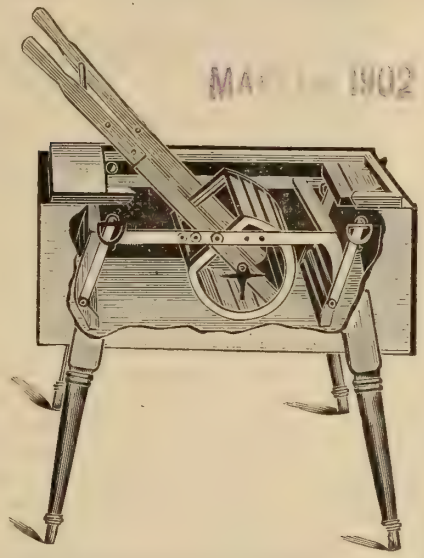
A number of hardware stores in St. John, N.B., have decided to give a Saturday half-holiday during the three months of summer. The firms are as follows: W. H. Thorne & Co., Kerr & Robertson, John W. Addison, Emerson & Fisher, H. Horton & Son, T. McAvity & Sons, S. Hayward Co., Limited, Miles E. Agar, I. & E. R. Burpee, John J. Barry.

H. S. HOWLAND, SONS & CO.

WHOLESALE ONLY — 37-39 Front Street West, **Toronto.** — ONLY WHOLESALE

The "Knoll" Double-Action Washers.

No Rubbing or Scrubbing of Clothes.



No Wear or Tear on The Clothes.

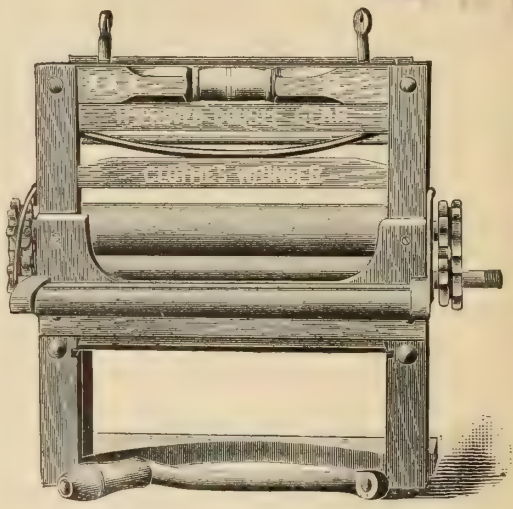
PERFECT WASHER

PERFECT WASHER

Competed with over 800 other machines from all over the world at Chicago in 1893, and was successful in taking the First Premium and Gold Medal.

More washing can be done with the Machine in one hour than can be done by one person any other way in four hours. No hand-rubbing required, as it does its work by pressing the water through the clothes and at the same time turning them over with no injury to the very finest fabric. It can be adjusted for large or small washings.

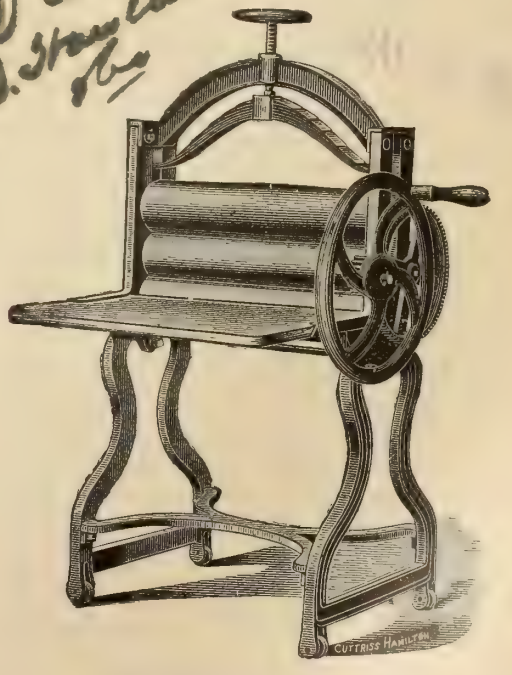
"Royal Canadian" Wringers.



Rolls 11 x 1⅓ inches.



"Handy Bench" Wringers, 11 x 1¾-inch Rolls.
"Handy Bench"—No Wringer.



Mangles—Rollers 5 x 24-inch.

For Other Lines and Particulars, see our No. 12 Catalogue.

H. S. HOWLAND, SONS & CO., Toronto.

OUR PRICES ARE RIGHT — Graham Nails are the Best. — WE SHIP PROMPTLY

Factory: Dufferin Street, Toronto.

POSSIBILITIES OF STEEL SHIP-BUILDING IN NOVA SCOTIA.

A PAPER was recently read before the Imperial Institute, London, Eng., by Mr. John Howard, the Agent General in Great Britain for Nova Scotia, on the possibilities of steel shipbuilding in the Province he represents. In part, he said :

"With such magnificent coal resources in our possession, and the establishment of the steel and iron works already referred to producing the cheapest material in the world, the attention of capitalists was bound to be drawn to the advantages which exist for the building of steel ships. Thirty years ago, when most of the carrying trade of the world was done in wooden ships, Nova Scotia owned more tonnage in proportion to population than any other country, and her flag was to be met with in every important port of the world. With suitable timber at hand to be had for the cutting, almost every little fishing village boasted its shipbuilding yard, and the busy hammers of the workers were to be heard all day long. As, however, the substitution of iron ships increased, this industry gradually decayed, and although there are still a large number of small wooden vessels being built it does not attain to anything like its former proportions.

"There is no doubt that if Nova Scotia is again to compete in the carrying trade of the world, with a view of attaining to her old, proud position, it must be achieved by iron and steel vessels. I may point out that New Glasgow has already had the distinction of constructing some steel vessels (due, no doubt, to the proximity of the old Nova Scotia Steel Company's works), but they have been of small tonnage owing to the character of the East River. It is to be hoped, however, that in this respect New Glasgow will follow in the footsteps of her old namesake.

"The Nova Scotia Government has already offered a large bonus to the first company establishing a shipyard, capable of building steamers of 5,000 tons, with exemption from taxation for 20 years on all ships built and registered in Nova Scotia. A member of one of the principal shipbuilding firms in this country, who has lately visited the Province, after emphasizing the difficulties in the way of establishing a steel shipbuilding plant in Nova Scotia, is reported to have said : 'I am persuaded that the cheapest steel ships in the world can be produced in Nova Scotia.' Whilst reminding us that the cost of skilled labor will probably remain higher than in Europe, he confidently anticipates a very superior class springing up which will do credit to the country. The higher cost of labor, moreover, will be more than counterbalanced by the cheapness of steel production and in other directions.

"In view of the disabilities under which the industry would labor in its initial stages, it is thought necessary that sufficient encouragement should be forthcoming from the Dominion Government in the shape of a bonus, in order to equalize the situation with that prevailing in Great Britain, Germany and the United States. It may safely be said that there is no industry so weill calculated to meet the aspirations of Nova Scotians as that of steel shipbuilding. Their strong maritime characters, knowledge of construction, and practical acquaintance with its details, are such important factors in the successful prosecution of such an enterprise, that we may look forward to the result with every confidence."

MOISTENING AIR.

THE process of contributing moisture, in quantities desired, to the moving air which is supplied to the modern public school houses in Rochester, N.Y., says The Press, of that city, is claimed to contribute materially to the comfort and health of the teachers and pupils and is warmly approved by physicians. Under the new system the water is evaporated in the boilers and supplied to the moving air in the form of vapor, under conditions which insure automatic regulation. Standards differ somewhat, but the ideal English system is said to be air at a temperature of 50 degrees F., with 55 per cent. moisture. The temperature of the school rooms in Rochester varies from 60 to 65 degrees F., and the percentage of moisture is somewhat lower than in English practice. When the temperature is at 70, or above, the plentiful supply of moisture is said to make the atmosphere in the school rooms oppressively humid. Under modern conditions this humidity is under absolute control.

It is stated that 15,000,000 cubic feet of air is driven through the rooms and halls of the new No. 6 school building daily. To supply the desirable moisture requires as much horse power as is required for supplying the pure air. It is held by physicians that the addition of moisture to the air supplied to the school rooms is absolutely necessary, in order to avoid catarrhal and other similar difficulties. The affinity of the air for moisture is so great that the absorption of moisture from the system goes on very rapidly, with the bad effects referred to. So great is the amount of water added to the air furnished to the school rooms, that it is stated that the effect is equivalent to that of hanging cloth, saturated with water, on all the walls and ceilings. When properly supplied, and not in excessive quantities, the moisture is said to materially improve conditions.

CARS FOR THE SAULT.

Eight cars have just been completed by The Ottawa Car Co., Ottawa, for the electric street railway company of Sault Ste. Marie, Mich. They are 30 feet in length over the cover posts and 42 feet over the bumpers, eight feet high, and mounted on double trucks with two sets of coil springs and a half elliptic spring on each set, making an easy-riding car. The car is equipped with five cross seats in the centre, on each side, and longitudinal seats at each end. The ends are vestibuled and the cars will be entirely open in summer. They will be heated and lighted by electricity.

INQUIRIES ABOUT CANADIAN TRADE

THE following were among the recent inquiries relating to Canadian trade received at the Canadian Government Office in London.

1. A firm of organ makers have asked to be furnished with the names of shippers of whitewood from Canada.

2. A French firm, manufacturing ladies' Parisian clothing of the highest class, make inquiry respecting the best means of getting into touch with Canadian importers of such goods.

3. A firm at Leith, Scotland, make inquiry respecting the wood pulp trade of Canada, their object being to interest themselves in the importation of sulphite pulp.

4. A Lancashire firm desires to correspond wit buyers in Canada of steel wire screening, such as is used in stamp batteries in the gold mining districts.

5. An English firm of manufacturers of table glass of the best quality make inquiry respecting the market that exists in Canada for these goods.

6. A firm in Scotland manufacturing tweeds are desirous of opening up business relations with Canadian houses purchasing such goods as they export.

7. A general commission merchant at Nannheim, Germany, is interested in the importation of wood pulp and feeding stuffs, bran, etc., from Canada, and wishes to get into touch with exporters.

8. The English manager for a firm of Dutch cigarmakers makes inquiry respecting the export of these goods to Canada.

Inquiries received by the Canadian section of the Imperial Institute:

1. A London house dealing in macaroni, vermicelli, essential oils, candied peels and similar lines, wishes to get into touch with Canadian importers.

2. A manufacturer of cycle rubber goods asks to be placed in communication with Canadian houses using these articles.

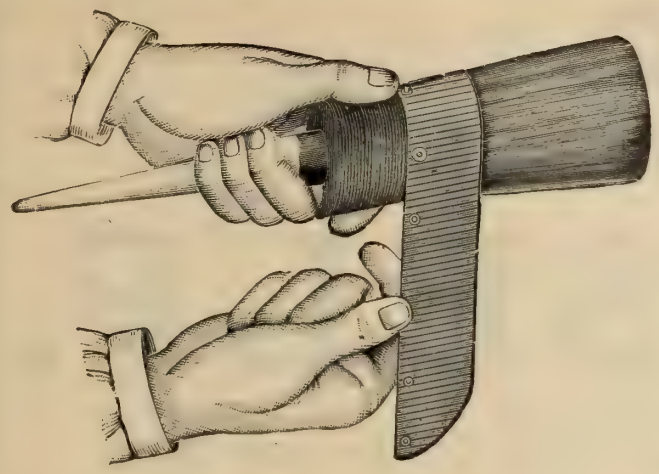
3. A North Country manufacturer of grocers' and druggists' specialties is prepared to appoint Canadian resident agent.

[The names of the firms making the above inquiries can be obtained on application to the Editor of HARDWARE AND METAL.]

WIRE NAILS
TACKS
WIRE

Prompt Shipments

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.



Flat and Oval Paint Brushes, Flat Varnish, Chiselled Varnish, Kalsomine Brushes,

are goods that must be the best of their kind in quality and workmanship or they are an annoyance to the purchaser and consequently dead stock to the merchant. For nearly half a century

Boeckh's Toronto AND Bryan's London Brushes

have been upon the market. They are in the front rank as ready sellers, because their manufacturers' highest and constant aim is to please both dealer and consumer. Greater powers of purchasing and larger facilities in making now enable us to manufacture better goods than ever, and at lower prices, with the widest margin of profit to dealers.

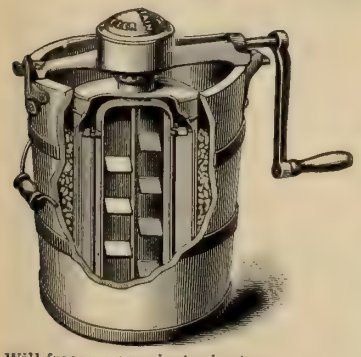
—If our representative does not visit your town, or if our traveller has not yet called upon you, it will pay you to
—write us at once.
—Ask for our Illustrated 1902 Catalogue if you have not got one.

United Factories, Limited

OPERATING { Boeckh's Toronto Factories, Bryan's London Factories, Cane's Newmarket Factories.

Head Office: TORONTO, ONT.

It Pays the Dealer



Will freeze cream in 4 minutes.

TO HANDLE THE

White Mountain Freezer

BECAUSE

It is the best acting, best looking, strongest, most durable and best selling freezer manufactured.

There is not a weak point about it or a waste part to it.

It embraces all the good features to be found in all other freezers, and many more besides that are peculiar to itself.

SOLE AGENTS FOR CANADA:

THE McCLARY MANUFACTURING CO.,

London, Toronto, Montreal, Winnipeg, Vancouver, St. John, N.B.

CORDAGE

ALL KINDS AND FOR ALL PURPOSES.

Manila Rope	Lathyarn
Sisal Rope	Shingleyarn
Jute Rope	Bale Rope
Russian Rope	Lariat Rope
Marline	Hemp Packing
Houseline	Italian Packing
Hambroline	Jute Packing
Clothesiines	Drilling Cables
Tarred Hemp Rope	Spunyarn
White Hemp Rope	Pulp Cord
Bolt Rope	Lobster Marlin
Hide Rope	Paper Cord
Halyards	Cheese Cord
Deep Sealine	Hay Rope
Ratline	Fish Cord
Plow Lines	Sand Lines

"RED THREAD" Transmission Rope from the finest quality Manila hemp obtainable, laid in tallow.

CONSUMERS CORDAGE COMPANY, Limited

Western Ontario Representative—
WM. B. STEWART,
Tel 94. 27 Front St. West, TORONTO.

MONTREAL, QUE.

SELLS  ITSELF.

The Quickest Selling Line the Trade ever had.

OVER 25,000 SOLD IN ENGLAND LAST YEAR.

WHEN you look at the machine you think it worth $25.00.
WHEN you try it you think it worth $50.00.
WHEN you buy it the price is only $4.50.

A HOUSEHOLD WONDER.



(Patented at Home and Abroad)



INDISPENSABLE for HOTELS, CLUBS, RESTAURANTS, and in THE HOME.

RETAIL PRICE:

Weight about 12 lbs. **$4.50** Size, 11 in. x 11 and 7½ high.

English made throughout. Complete in wood box, with full directions and tin of Knife Polish. This machine has only to be seen to be at once appreciated, and is also certain to command a large sale.

Special Prize Medal Cookery and Food Exhibition, London, 1901.
Highest Award Special Gold Medal Military Exhibition, London, 1901.

THESE ARE

IT makes no dust.
IT will clean every sort and all sizes of knives.
IT does not injure the knives or break the handles.
IT has no centre spindle through the discs.
IT will easily clean at the rate of over 500 knives per hour.
IT feeds itself with powder.
IT can be easily taken to pieces and put together again.
ITS parts are interchangeable.
IT is indispensable in every home.
IT is the simplest and best of all knife cleaners.
IT does away with the most objectionable work a servant or housewife has to do, and has made
IT a delightful occupation.
IT does away with excuses for dirty knives.
IT is handsomely plated in electro copper.
IT is an ornament to any kitchen, besides
IT being the most perfect Knife Cleaning Machine.
IT is within reach of all, as its cost is not $25 to $50, but simply **$4.50.**

ITS MERITS.

You cannot find a knife too dirty or too rusty for this machine to clean perfectly. You cannot find a knife too long or too short, too thick or too thin, for this machine to clean thoroughly without damage, and with greatest ease.

Splendid Show Cards and plentiful supply of advertising matter supplied every customer.

CAN BE OBTAINED OF THE PROPRIETORS, PATENTEES AND MANUFACTURERS,

THE WORLD'S MANUFACTURING CO., 66 and 68 Victoria Street, LONDON, S.W.

TRADE DISCOUNTS:

In lots of 12—50 and 5 per cent.
" 36—50 and 10 "
In lots of 72—50 and 15 per cent.
" 144—50 and 20 "

WE have the nicest set of Hose samples ever shown to the Canadian trade. Don't fail to see them.

HOSE

GARDEN
STEAM
SUCTION
ETC.

Send for samples and quotations.

WE make Hose of all kinds for all purposes. Our equipment is the most modern and our goods are perfection.

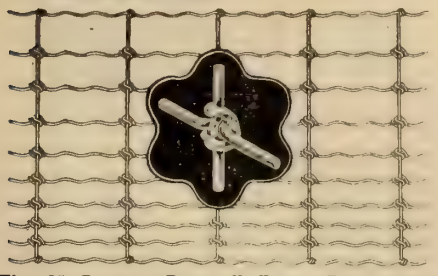
MANUFACTURED BY

THE DURHAM RUBBER CO., LIMITED

Bowmanville, Ont.

IDEAL WOVEN WIRE FENCING

Complete in the roll. A heavy one-piece stay that will not buckle up and cannot slip. Note the lock No. 9 hard spring wire throughout. A fence that will last.



The McGregor, Banwell Fence Co., Limited
WINDSOR, ONT.
COILED SPRING AND OTHER FENCE WIRES.

WOULD you know how to control the paint trade of your town?

Sell the paints giving the most lasting results.

WE HAVE THEM.

HOLLYWOOD TRADE MIXED MARK PAINT

THE HOLLYWOOD PAINT CO., Limited

New York, Buffalo, Chicago, Columbus, O.

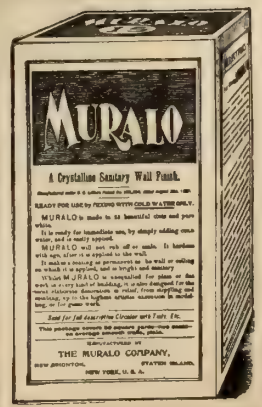
CANADIAN WORKS - HAMILTON, ONT.

Use Coronation Cover Paper—

—BOOKLET
—CATALOGUE

This is the popular cover paper of the season. It makes up handsomely in booklet or catalogue—in two shades, cloud and thunder gray. Be up-to-date and see that this paper is given you by your printer.

CANADA PAPER CO., Limited
TORONTO and MONTREAL.



MURALO

The only sanitary and the best of all **cold water** wall coatings **in 5-lb. packages.**

Agents:

A. RAMSAY & SON, - - - MONTREAL
J. H. ASHDOWN, - - - WINNIPEG
McLENNAN, McFEELY & CO., - VANCOUVER

MACHINERY AND ELECTRICAL SUPPLY DEPARTMENT

NEW ENGINE AND BOILER COMPANY.

LETTERS PATENT have been issued incorporating Alexander Watt, baker; Jacob Abraham Jacobs, merchant; Edward Albert Mahon, manager; Frank Henry Sleeper, inventor; Allan Robinson Oughtred, all of Montreal, for the following purposes: The manufacture of engines and boilers and all the accessories thereof, of fans, electrical machines of every description, and generally all machinery for the production of motive power, by the name of The Sleeper Engine Co., Limited, with a total capital stock of $250,000 divided into 2,500 shares of $100 each.

AN IMPORTANT AMALGAMATION.

The John Abell Machine and Engine Company, of Toronto, has amalgamated with The Advance Thresher Works, of Battle Creek, Mich.; and The Minneapolis Engine and Threshing and Engine Company, of Minneapolis, Minn.

Although the directorate of the amalgamated company or the amount of capital stock has not yet been announced, it is stated that the control will be in the hands of the United States capitalists.

The John Abell works will be run at full capacity to supply the Canadian trade and foreign markets.

The present John Abell Engine and Machine Company has an authorized capital of $500,000, of which $375,000 is paid up. The president and general manager is John Abell; assistant general manager, Henry Abell, and secretary, Chas. J. Agar. Last February the prospectus was issued for a reorganized company with a capital of $1,000,000, and W. D. Matthews, Robert Kilgour and others were named as directors. No stock was sold under this prospectus and it had nothing to do with the present amalgamation.

PUTTING IN A MODERN MACHINERY PLANT.

The Hamburg Manufacturing Company are erecting a large sash and door factory at Brandon, Man. The new factory will be on Fifth street and Assiniboine avenue, and will consist of the factory proper, boilerhouse and engine room, and a drying kiln. The factory itself will be two storeys high, of solid brick, 50 x 100 feet, and will contain modern machinery to manufacture all kinds of sashes, doors, blinds and interior house furnishings.

A system of exhaust fans and pressure blowers for driving away all chips and shavings from the machinery will be installed and the machinery will include planers, matchers, rib, rip, cut and band saws, three and four-sided moulders, blind machinery, door polishers, buzz planers, grooving machines, blind mortiser, turning lathes and other labor-saving machines.

The engine room and boiler room will be 25 x 50 feet and will contain an 80-horse power engine and two 75 horse-power boilers.

Above the boiler and engine room will be the veneer and glueing department. It will be separated from the rest of the building and will be heated with hot steam pipes. The drying kiln, 36 x 60 feet, will be fitted up with the Surtevant system, and will be run by a separate engine.

Tubs and pails will also be manufactured in connection with the factory. They will be made of spruce, and special machinery is to be installed for their manufacture.

ENLARGING BRANTFORD FACTORIES.

Several Brantford, Ont., factories are enlarging their premises. The Goold, Shapely & Muir Company are preparing plans to make a large addition to their factory owing to the increasing demands for their gas engines. The Pratt & Latchworth Iron Works are building a new structure 71 x 175 feet. The Cockshutt Plough Company are hunting for a new site on which to erect buildings of double their present capacity. The Ham & Nott Company are constructing two shops, one 30 x 80 feet, and the other, 40 x 50 feet. The Shultz Bros. Company are enlarging their factory, and The Verity Plough Company are making ready to construct two additions to their foundry and pattern departments that will double their capacity.

SANTOS-DUMONT AND EDISON

One of the first visits of Santos Dumont was paid to Thomas A. Edison, at his Orange laboratory. According to the daily press, the chief topic discussed was the provision of a light motor for the young Brazilian's airship. Edison is said to have remarked that he never gave his attention to the airship, for the reason that it seemed to him of no commercial practicability as yet, and that he concerned himself only with inventions of commercial promise.

AN OLD ENGINE'S RESTING PLACE.

A Watt engine which had done service for 102 years was removed lately from its sphere of usefulness to a London museum. In the old days substantial work must have been done or this engine could not have lasted so long. It is believed that the oldest engine now in service is one at a colliery near Rutherglen, Scotland. This is a Newcomen engine erected in 1802. Since that time it has been in continuous service, and has needed no important repairs. Brasses, of course, have had to be replaced, and a wheel or two, but otherwise the engine needed no fixing, and still is in good repair.

MACHINERY TRADE NOTES.

Robb & Sons, machinists, Pictou, N.S., have registered their dissolution of partnership.

At a meeting of the London, Ont., Board of Trade held on May 3 a letter was read from The Bertram Engine Works, Toronto, stating that they were considering the advisibility of establishing shipyards at Port Stanley, and that they would inform the board of their movements in the matter.

A NEW FIRM.

Ballard Tool and Equipment Co. is the style of a new firm that has recently started in business at 128 Bay street, Toronto. The firm makes a specialty of machine shop tools.

MAKE MOTORS AND MACHINES.

Among the recent new firms which have opened up in Toronto is The Dominion Motor and Machine Co. The place of business is on Esplanade street. The members of the firm are practical machinists, and attention is to be given to the making and repairing of motors, gasoline engines, and machinery in general.

Bargains in Second Hand Machinery.

LATHES.

60 x 20 Wilmarth trip. grd., very heavy.
49 x 14 Fitchburg Plain turning C. R. & P. C. F.
48 x 21 Harrington trip. grd., C. R. & P. C. F.
44 x 24 Betts trip grd., C. R.
42 x 19 x 20 Fish, trip. grd.
30 x 15 Fish C. R. & P. C. F.
30 x 14 Nicholson & Waterman, C. R. & P. C. F.
27 x 5′ 6″ D. W. Pond, C. R. & P. C. F., good.
27 x 18 Lodge & Shipley, C. R. & P. C. F.

XXX SCREW MACHINES.

2″ Cleveland auto, A1.
Lot of No. 1 and No. 2 P. & W. hand.
No. 0, No. 1 and No. 2 P. & W. double turret, auto.
20 x 7 Fay & Scott, univ.
21 x 7 Lodge & Davis monitor.
15 x 6 Jones & Lamson turret.

SHAPERS.

24″ Walcott shifting belt.
24″ Hendey frict.
15″ Prentiss frict.
Lot of travelling head shapers, different sizes.

PLANERS.

51 x 50 x 18 second-hand planer, 1 hd., good.
30 x 30 x 10 Flather.
30 x 30 x 8 L. W. Pond, 3 hds, good as new.
24 x 24 x 6 Powell, 1 hd., good.

DRILLS.

6′ arm univ. radial, heavy pattern.
Pond Machine Tool Co.'s radial drill.
Pond Machine Tool Co.'s heavy suspension, A1.
4′ arm Betts radial.
40″ Gleason upright, B. G & P. F.
25″ Gould & E., B. G. & P. F., good.

MILLING MACHINES.

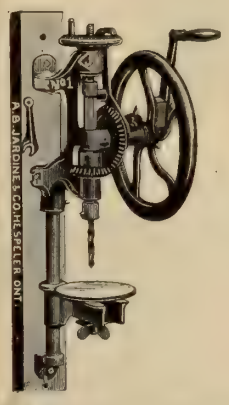
No. 3 Cincinnati univ., without head.
No. 2 Cin. plain with rotary and vert attach.
18 No. 2 P. & W. Lincoln pattern millers, good.
Heavy Pedrick & Ayer univ., all feed.
4 No. 2 B. & S. plain millers, good as new.
2 No. 1 B. & S. dittos

MISCELLANEOUS.

No. A ½ New Doty punch and shear, 9″ throat.
Lot of friction board drop hammers, 400 to 1,700 lb.
No. X 600 lb. P & W. drop hammer.
Small 100 lb. steam hammer.
200-ton vert. hydraulic press.

Also large stock of other tools. Send for complete list.

PRENTISS TOOL & SUPPLY CO.
115 Liberty St., NEW YORK, N.Y.
BUFFALO—507 D. S. Morgan Bldg.
BOSTON—200 Franklin St.
PITTSBURG—120 First Ave.
Address all inquiries to Dept. No. 5.



TRADE MARK J REGISTERED

Blacksmiths' Hand Drills.

The very best.

A. B. JARDINE & CO.
HESPELER, ONT.

WE MANUFACTURE

TOOLS

USED BY

Stone Workers, Cement Workers, Paving and Building Contractors, Railroad and Telephone Companies.

We also make special Wrought Iron or Steel Work to drawings. Estimates furnished for any quantity. Goods delivered f.o.b. Windsor.

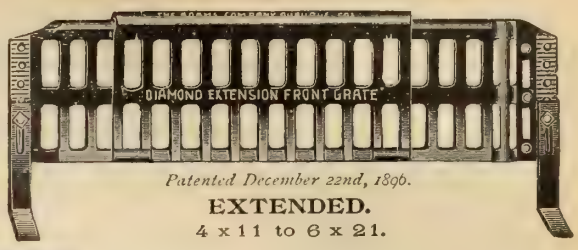
W. H. ANDERSON & SONS,
St. Aubin Ave., Detroit, Mich.
Canadian Branch,
with Eureka Planter Co., WINDSOR, ONT.

DIAMOND EXTENSION FRONT GRATE.

Ends Slide in Dovetails similar to Diamond Stove Back.

Diamond Adjustable Cook Stove Damper

Patented March 14th, 1893.



Patented December 22nd, 1896.

EXTENDED.
4 x 11 to 6 x 21.

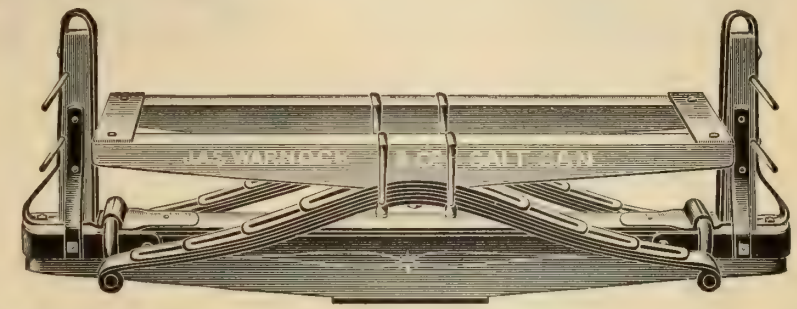


For Sale by Jobbers of Hardware.

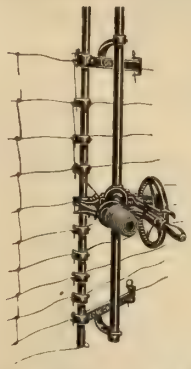
Manufactured by THE ADAMS COMPANY, Dubuque, Iowa, U.S.A.
" A. R. WOODYATT & CO., Guelph, Ontario.

"The Peerless"

is the best Bolster Spring ever produced. A fine line for the hardware trade. Write Us For Prices.



James Warnock & Co. = Galt, Ont.



TIMES HAVE CHANGED

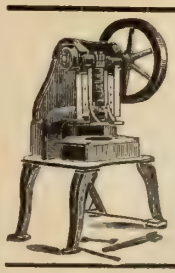
since the days of the old style fence machine, one of which was a wagon-load in itself.

The coiled spring wire which farmers are buying now must be woven. Have you considered that? Then how about the agency for the LONDON, the best and fastest machine on the market? Light as a bicycle, built of Malleable and Steel, and perfectly adjustable to any style of fence the farmer needs.

Only one agency in a town. Write quick or you may miss it.

Let us quote you on Coiled Spring Wire and Fence Supplies. Ask for our new catalogue.

THE LONDON FENCE MACHINE CO., Limited,
LONDON, CANADA.



G. A. Crosby & Co. of Ontario,

SARNIA, ONT. LIMITED

Manufacturers of

Patent Automatic Can Making Machinery, Presses, Dies and Special Machinery for Working Sheet Metal.

STANYON ENGINEERING CO.

402 McKINNON BUILDING,
Phone Main 2177. TORONTO

CONTRACTING AND CONSULTING ENGINEERS.

Steel Works, all kinds of Rolling Mills, Wire Mills, etc., all built complete. Machinery designed for any purpose

GENERAL OFFICES, - - PITTSBURG, Pa.

The Toronto Silver Plate Co.

Limited.

SILVERSMITHS and MANUFACTURERS

of



No. 671—Tea Pot.

ELECTRO SILVER PLATE



No. 671—Coffee

Make a specialty of Silverware for

Hotel, Club Steamboat and Dining Car Services

Both in Hollow and Flatware.



No. 671—Sugar.



No. 671—Cream.

Drum up the Hotelkeeper in your neighborhood and see if he does not want to purchase something in this way.



No. 2011—Soup Tureen.



No. 2012—Soup Tureen.

Then remember that we are headquarters for same, and write for our

SPECIAL CATALOGUE
and....
DISCOUNT SHEET.



No. 671—Spoon Holder.

We are *not* in *The Trust* or are we *members* of any *Silverware Association* or *Combine,* which means there are no restrictions as to who in the trade we shall deal with and what prices we shall quote.

Factories and Salesrooms—King Street West, TORONTO, CANADA.

E. G. GOODERHAM, Managing Director.

LEADER CHURN

New Century Improvements

FOUR DIFFERENT STYLES:

A—Steel Frame with double reversible Steel Lever.
B—Wood Frame with double reversible Steel Lever.
C—Steel Frame with Crank.
D—Wood Frame with Crank.

Styles **A** *and* **B** *may be operated from a sitting or standing position.*

Steel Frames and Hoops beautifully ALUMINIZED.

All LEADER CHURNS are equipped with BICYCLE BALL BEARINGS and PATENTED CREAM BREAKERS.

Stands are so constructed that they are particularly strong and rigid, and there is nothing to interfere with the placing of pail in the most convenient position for draining off buttermilk.



It Pays to Have the Best. None are Better Than the Leader.

THE DOWSWELL MANUFACTURING CO., LIMITED, HAMILTON, ONT.

Eastern Agents: W. L. Haldimand & Son, Montreal, Que.

CUSSIN' - DISCUSSIN'

Dealers may avoid the former and have the satisfaction of hearing their customers discussing in terms of praise the goods that are right.

Always handle the best.

Satisfaction is assured if the Dowswell Manufacturing Co., Limited, are the makers of the goods you sell.



The New Century Washing Machine

This cut illustrates the latest and best machine for washing clothes yet invented.

Having strong spiral springs and ball-bearings—the same as used in High-Grade Bicycles—very little effort is needed to do what with other means is hard work.

Nothing so easy—nothing so thorough—nothing less wearing on garments. It is perfection.

A customer says: "It has none but good points."

Another customer says: "It is a darling; washes a tubful in five minutes."

It is the **New Century Washer.**

Every Hardware Dealer should have them. They are not the cheapest, but are sellers, and will do all that is claimed

The operator can positively do the work, and without effort, while seated, and the machine is enclosed, retaining heat and vapor.

The Dowswell Manufacturing Co., Limited,
Sole Manufacturers in Canada. **Hamilton.**

A LITTLE ADVERTISEMENT ....

Sometimes does as good work as a larger one. We can give you any size you want in this paper, from 1 inch to a full page. Prices gladly submitted.

The MacLean Publishing Co., Limited, Montreal and Toronto



$500 in Cash and Diamond Prizes

For Record Bait-Casting.

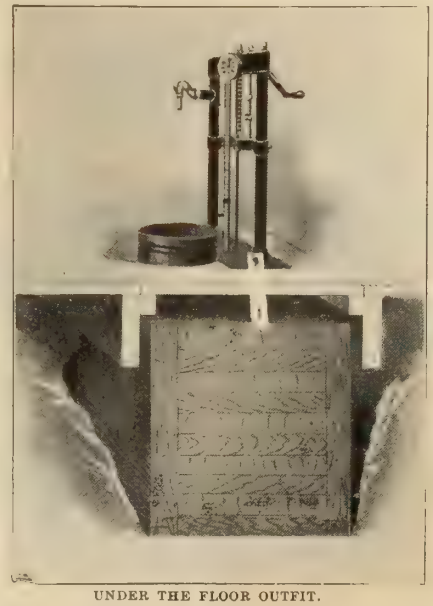
You can enter the great Shakespeare Bait-casting Tournament without expense, make all your trials at your own home and win some of the magnificent prizes offered each month this season, for the longest bait-cast. Many beginners can equal professionals the first month and win prizes and break the world's records.

$100 in Prizes for Largest Fish

Write me to-day. The New Shakespeare Reel meets the wants of the critical fisherman whose purse is limited. It is the highest grade reel on the market and none sold at twice the price can touch it. Shakespeare Reels and Baits are sent free on trial, express charges prepaid, to any angler who sends name and address. The Shakespeare Revolution Bait makes the biggest black bass strike when no other bait—live minnows or frogs—can tempt him. They catch big strings of fish for people who never caught fish before. In the water they struggle as if alive and attract game fish from many yards away. Write to-day and try them free of all expense to you.

WM. SHAKESPEARE, JR.,
137 Shakespeare Bldg., Kalamazoo, Mich.
My reels and baits are for sale by all first-class dealers.

Why Not Investigate



UNDER THE FLOOR OUTFIT.

BOWSER

"New Century"

3 MEASURE SELF MEASURING

Oil Tank?

THERE ARE

100 REASONS 100 WHY YOU SHOULD.

Space will not permit us to enumerate them all and we want an opportunity to tell you all about it.

WE CAN POINT OUT TO YOU DEFINITELY

WHY IT WILL PAY YOU.

To Be Brief, It Will Pay You

Because it will save you money.
Because it measures accurate Gallons, Half-Gallons and Quarts.
Because it gives the customer what he buys and no more.
Because it will prevent all waste and slop.
Because it will soon pay its cost and become a profit-earner.
Because the Bowser is the only All Metal oil pump built.
Because it has the Anti-Drip nozzle.
Because it has the Dial Discharge Register.
Because it has the Double Float Indicator.
Because it has the Double Plungers.
Because it has Full Brass Cone Valves.
Because the tank is of Galvanized Steel.
Because it is the best oil outfit ever built.
Because it is sold under an absolute three years' guarantee.
Because its price is commensurate with its value.
Because you can have your oil tank in the store, under the floor, or in the cellar.

Our Catalogue and "Terse Tank Talks" tell the rest. They are free.

S. F. BOWSER & CO., 65 Front St. East, TORONTO. Factory, FORT WAYNE, Ind.

Paint made to Paint, not to eat.

This is why **Island City House Paint** is so popular: It covers more, wears longer than any other paints made in the Dominion.

Island City Floor Paints dry hard in eight hours.

ISLAND CITY

Decorators' Pure Lead
Pure White Lead
Pure White Paint
(non-poisonous)

Special Decorators' Lead preferred to pure lead by best painters.

ALL GOODS BEARING THIS TRADE MARK



ARE FULLY GUARANTEED.

P. D. DODS & CO.

MONTREAL.

John Bowman

HARDWARE & COAL CO.

LONDON, ONT.

Our stock of goods for the spring trade is now complete, and we can fill all orders promptly on the following lines :

Wire, Nails, Cordage, Window Glass, White Lead, Paints, Whiting, Churns, Linseed Oil, Spades and Shovels, Screen Doors, Wove Wire, Poultry Netting, Builders' Hardware, Guns and Sporting Goods. Finest stock in the Province of Cutlery.

Prompt Shipment. Prices Right.

DOMINION WIRE MANUFACTURING CO.

Limited

MONTREAL and TORONTO.

WE ARE

WIRE DRAWERS of all kinds of **Bright, Coppered, Brass and Copper Wires.**

GALVANIZERS of Wires for Telegraph, Telephone, Staples, Fencing and other purposes.

TINNERS of Broom, Whisk, Mattress, Bottling and Tinman's Wires.

We are Manufacturers of . . .



Wire Nails, Wood Screws, Bright Goods, Jack Chain, "Crescent" Hat and Coat Hooks, Door Pulls and Cotter Pins

"DOMINION"

GOODS ARE THE BEST. BE SURE YOU GET THEM.

Locks and Builders' Hardware.

We have a most complete line of all these goods, including the very newest ideas in

Bronze and Brass Knobs, Door Sets and Escutcheons.

LOCKS AND LATCHES OF ALL KINDS.

Any dealer asking for a catalogue will be sent full prices, discount sheets, etc., etc. Drop a card.

ESTABLISHED 1843. INCORPORATED 1893.

THE Gurney-Tilden Co., LIMITED

Hamilton. Toronto. Montreal.

AGENCIES:—ST. JOHN, N. B., VANCOUVER, B. C.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

Montreal, May 9, 1902.

HARDWARE.

THE business of the week in hardware has not been as active as during the previous week, the early boats having relieved the rush of shipments and allowed the trade to settle down to more normal conditions. There is, however, still an active demand for goods for delivery at all points, and business with Ontario and places still further west is in good condition. Bamboo fishing rods, which have been rather backward in arriving, have now reached the hands of the trade. Per dozen, the price is 80c. for 16 ft. poles; 90c. for 18 ft. poles, and $1 for 20 ft. poles.

SCYTHES. The demand for scythes at quoted prices is excellent. We quote as follows: Lance, No. 80, $5.50; Hurd's Clipper, $6.50; concave, $7.50; Sibley, $8.50; Cradle scythes, cast steel, $8.50; silver steel, $9.50; "Harvest King," $10.50. Bush scythes, $6.50.

BARB WIRE. There is a scarcity of barb wire still among part of the trade. Some houses, however, have recently received large shipments and are disposing of the goods rapidly. There has been no quotable change, $3 per 100 lb. f.o.b. Montreal being still obtained.

GALVANIZED WIRE. In this market there is a fair to good demand at steady prices, and our quotations are as follows: Nos. 6, 7 and 8 gauge, $3.45; No. 9, $2.80; No. 10, $3.55; No. 11, $3.65; No. 12, $2.95; No. 13, $3.05; No. 14, $4.05; No. 15, $4.55; No. 16, $4.80; No. 17, $5.20; No. 18, $5.45.

SMOOTH STEEL WIRE. A small amount of business is passing at the prices we quoted, but the market is still far from being active. We quote as follows: Bright iron and annealed on a base of $2.60 per 100 lb. f.o.b. Montreal, Toronto, Halifax, London, Hamilton and St. John. Net extras per 100 lb. are as follows: Coppered wire, 60c.; tinned wire, $2; oiling, 10c.; spring wire, $1.25; best steel wire, 75c.; bright soft drawn, 15c.; special hay-baling wire, 30c.

FINE WIRE.—There is not much doing. The discount is 22½ per cent.

BRASS AND COPPER WIRE.—The market in general has not improved to a great extent. One mill is busy turning out a large order for copper wire, but otherwise there has been no change. Both brass and copper wire are discounted at 60 per cent.

FENCE STAPLES. The demand has been heavy throughout the week, and it is reported that supplies are becoming scarce. We quote as follows: Bright, $2.90 per 100 lb. keg; galvanized, $3.25. An extra of 25c. is charged for 25 and 50-lb. packages.

WIRE NAILS.—Jobbers report a better business doing in wire nails this week, and a fairly active market has prevailed. Our quotations are as follows: $2.55 for small lots and $2.50 for carlots f.o.b. Montreal, London, Hamilton, Toronto, Gananoque, Brantford, Windsor, Ont., St. John and Halifax.

CUT NAILS.—These are moving rapidly at the price made last week, viz., $2.45 per keg, in small lots, and $2.37½ per keg, in carlots. The discount on flour barrel and coopers' nails is 40 per cent. Three-inch cut nails are not in very good supply at present.

HORSE NAILS.—There is an active inquiry for horse nails. No quotable change has been made, and the discounts are as follows: "C" brand, 50 and 7½ per cent. off; "M" brand, for "Oval" and "New City" heads, 60 per cent. off, and for "New Countersunk" heads, 66 2-3 per cent. off. "Monarch" horse nails are also discounted at 66 2-3 per cent.

HORSESHOES.—Business is brisk. Our quotations are as follows: Iron shoes, light and medium pattern, No. 2 and larger, $3.50; No. 1 and smaller, $3.75; snow shoes, No. 2 and larger, $3.75; No. 1 and smaller, $4.00; X L

Black Corrugated Sheets.



72 x 30
84 x 30
96 x 30
108 x 30
} 22, 24, 26 and 28 gauge.

Galvanized Corrugated Sheets.

96 x 30 } 20 and 22 gauge.

84 x 30
96 x 30
120 x 30
} 24 gauge.

72 x 30
84 x 36
96 x 36
120 x 36
} 26 gauge.

72 x 36
96 x 36
120 x 30
} 28 gauge.

Also all sizes of Ridge Rolls and Valleys.

We have large stocks of all of the above sizes and gauges of Corrugated Iron and can ship promptly.

The McClary Manufacturing Co.,

LONDON, TORONTO, MONTREAL, WINNIPEG, VANCOUVER, AND ST. JOHN, N.B.

"Everything for the Tinshop"

RETURNED JUL 10 1902

ENGLISH
GERMAN
BELGIAN
CANADIAN
AMERICAN
} PORTLAND CEMENTS.

FIRE
BUILDING
ENAMELLED
SILICA
MAGNESIA
} BRICKS.

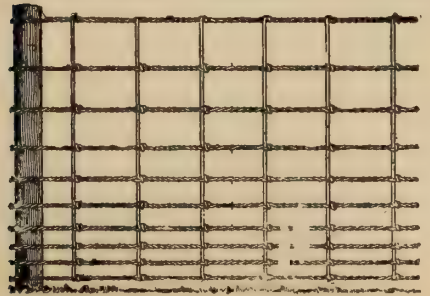
DRAIN
CULVERT
} PIPES.

F. HYDE & CO.
31 WELLINGTON ST., MONTREAL

. . FULL STOCK . .
Salt Glazed Vitrified
SEWER PIPE
Double Strength Culvert Pipe a Specialty.
THE CANADIAN SEWER PIPE CO.
HAMILTON, ONT. TORONTO, ONT.
ST. JOHNS, QUE.

Deseronto Iron Co.
LIMITED
DESERONTO, ONT.
Manufacturers of
CHARCOAL PIG IRON
BRAND "DESERONTO."
Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

The Oshawa Wire Fence Co.
OSHAWA, ONT. Limited
Manufacturers of...
Woven Wire Fencing, Gates, Etc.
Also Dealers in Galvanized Fence Wire.



Agents wanted Send for catalogue and prices.

steel shoes, all sizes, 1 to 5, No. 2 and larger, $3.60; No. 1 and smaller, $3.85; feather-weight, all sizes, $4.85; toe weight, steel shoes, all sizes, $5.95 f.o.b. Montreal; f.o.b. Hamilton, London and Guelph, 10c. extra.

SCREWS.—The market for screws has been active, the demand showing some improvement over that of last week. The discounts are: Round head bright, 82½ and 10 per cent.; flat head bright, 87½ and 10 per cent.; brass, round heads, 75 and 10 per cent.; brass, flat heads, 80 and 10 per cent.

BOLTS.—There is an excellent demand for bolts and nuts. No change in price has occurred. Our quotations are as follows: Norway carriage bolts, 55 per cent.; common, 50 per cent.; full square carriage bolts, 55 per cent.; machine bolts, 50 and 5 per cent.; coach screws, 66 2-3 per cent.; sleigh shoe bolts, 65 and 5 per cent.; blank bolts, 50 and 5 per cent.; bolt ends, 50 and 5 per cent.; plough bolts, 50 and 5 per cent. To any retailer an extra discount of 10 per cent. is allowed. Tire bolts, 67½ per cent.; stove bolts, 67½ per cent. Nuts, square, 3¼ per lb. off list; hexagon nuts, 3¾c. per lb. off list. To all retailers an extra discount of ¼c. per lb. is allowed.

BUILDING PAPER.—Business in building paper is at its best, all houses reporting a good demand. We quote: Tarred felt, $1.70 per 100 lb.; 2-ply, ready roofing, 85c. per roll; 3-ply, $1.10 per roll; carpet felt, $2.25 per 100 lb.; dry sheathing, 30c. per roll; tar sheathing, 40c. per roll; dry fibre, 50c. per roll; tarred fibre, 60c. per roll; O K and I X L, 65c. per roll; heavy straw sheathing, $30 per ton; slaters' felt, 60c. per roll.

CORDAGE.—The demand keeps up well, and no changes have been made in the prices. We quote: Manila, 16c.; British manila, 14½c.; sisal, 13c.; lathyarn, 11½c. Prices on binder twine are as follows: Blue Ribbon, 650 feet to the pound, 15c.; Redcat, 600 feet to the pound, 14c.; Tiger, 550 feet to the pound, 13c.; Standard, 500 feet to the pound, 11½c.; sisal, 500 feet to the pound, 11½c. Prices are subject to a rebate of ¼c. in carload lots.

RIVETS AND BURRS.—The inquiry for these during the week has been no more than moderate, the trade having become pretty well supplied. Discounts follow: Best iron rivets, section, carriage, and wagon box, black rivets, tinned do., coopers' rivets and tinned swedes rivets, 60 and 10 per cent.; swedes iron burrs are quoted at 55 per cent. off; copper rivets, with the usual proportion of burrs, 45 and 10 per cent. off, and coppered iron rivets and burrs, in 5-lb. carton boxes, are quoted at 60 and 10 per cent. off list.

SCREEN WIRE CLOTH.—A good demand continues, the price remaining at $1.37½ per 100 square feet.

POULTRY NETTING.—There is a good trade doing in this market at unchanged prices. Canadian or English is discounted as follows: 60 per cent. off 2 x 2 mesh, 19 wire, and 55 per cent. off 2 x 2 mesh, heavier, Canadian list.

HARVEST TOOLS.—A fair trade is doing. The discount is 60 per cent.

FIREBRICKS.—The market has improved somewhat under several shipments which arrived last week. There has been no change in the price. Scotch sell for $19 to $23.50 and English for $18.50 to $22.50 per 1,000.

IRON STEEL AND METALS
Close prices to wholesale buyers.
Sanderson's Steel in stock.
A. C. LESLIE & CO.
MONTREAL.

THE R. McDOUGALL CO., Limited,
GALT, ONT.
Manufacturers of



Iron and Brass
PUMPS
FOR ALL SERVICES.
FORCE PUMPS, LIFT PUMPS, CISTERN PUMPS, HAND OR POWER PUMPS
OF ALL KINDS.
Catalogue for the asking.
OUR MOTTO: "The best quality and right prices."

ADAM HOPE & CO.
Hamilton, Ont.
We offer for prompt shipment
Pig Tin,
L. & F. and STRAITS.
Ingot Copper, O.C.
Pig Lead.
Spelter.
Antimony.

NOVA SCOTIA STEEL & COAL CO., Limited
NEW GLASGOW, N.S.
Manufacturers of
Ferrona Pig Iron
And SIEMENS MARTIN
OPEN HEARTH STEEL.



Your Faith

will be as strong as ours if you try a sample order of **Elastilite Varnish.** And ours is so strong we guarantee every tin of it we put up.

This protects both you and your customer.

MANUFACTURED ONLY BY

The Imperial Varnish & Color Co. LIMITED

Toronto, Ont., Canada.

Canadian Agents for Buehne's "Red, White and Blue" Brand Steel Wool.

YOU ARE FACE TO FACE WITH A SERIOUS PROBLEM

when you come to determine whether your business shall be done on cheap goods or on true, honest, fair-priced goods.

"Ark Brand" Paint

is not cheap—but fair-price. It will assist you in building up trade. Cheap stuff will work the other way. Your customers remember quality—they forget price.

If we have not an agency established in your town write to us and we will give you our terms.

THE FRANCIS-FROST Co. Limited

TORONTO.

Canadian Distributing Agents for Grippin's Crack Filler.

CEMENT.—Trade in cement is fair and improved. A number of arrivals from abroad have provided good supplies, but no quotable change has occurred. The quotations following are summer prices: German cement, $2.30 to $2.40; English, $2.25 to $2.35; Belgian, $1.70 to $1.95 per bbl. ex-wharf, and American, $2.20 to $2.30 ex-cars.

METALS.

The English metal market, according to recent cables, remains as firm as ever, though displaying much more steadiness. No changes in price, either one way or the other, are reported. Locally, there is a very good trade doing in the general list of metals. Supplies are on the increase, several shipments having been received during the week. Those mills which were closed down owing to the water being out of the canal, have now commenced operations again, turning out flat and round iron in whatever sizes their customers have become short on.

PIG IRON.—An active inquiry exists for pig iron, but the amount of business done is not in proportion, as the scarcity has not been relieved. A contract is said to have been put through for 500 tons of Summerlee. Canadian is quoted at $18.50 to $19 and Summerlee at $21.50 to $22.

BAR IRON.—There is a very good demand for bar iron, merchants' bar being now quoted at $2 by all the jobbers, and horseshoe iron at $2.20. Some sizes in which there was a shortage have become in better supply as the mills have commenced work again. There is still some difficulty, however, in obtaining the small sizes.

BLACK SHEETS.—There is an active demand, and stocks have been increased considerably by recent arrivals. Our quotations are now as follows: 28 gauge, $2.65; 26 gauge, $2.60; 20 to 24 gauge, $2.50, and 8 to 20 gauge, $2.50.

GALVANIZED IRON.—The market is active and firm. Quotations are: No. 28, Queen's Head, $4.40; "Bell" brand, $4.30; Apollo, 10¾ oz., $4.40; Comet, $4.25, with 10c. extra for less than case lots.

INGOT COPPER.—There is a fair trade doing in this market. The price is 14c.

INGOT TIN.—The firm feeling in this market continues, but no further advance has occurred. Straits sells for 31c.

PIG LEAD.—The inquiry for pig lead is not active, and the price remains at $3.25.

LEAD PIPE.—There has been no quotable change in this market and the demand is good. Composition waste is quoted at 7½c. and ordinary at 7c. The discount is 37½ per cent.

IRON PIPE.—Business continues quite brisk at unchanged quotations, as follows: Black pipe, ⅛, $3; ¼, $2.40; ⅜, $2.65; ½, $3; ¾, $3.70; 1-in., $5.25; 1¼, $7.40; 1½, $8.90; 2-in., $12.40. Galvanized, ⅛, $3.20; ⅜, $3.45; ½, $4; ¾, $5.05; 1-in., $7.25; 1¼, $10.10; 1½, $12.15; 2-in., $16.70. Extra heavy pipe, plain ends, are quoted, per 100 ft., as follows: Black, ½, $4.35; ¾, $5.30; 1-in., $7.60; 1¼, $10.60; 1½, $12.70; 2-in., $17.45. Galvanized, ½, $5.35; ¾, $6.70; 1-in., $9.60; 1¼, $13.30; 1½, $15.95; 2-in., $21.75. For threads and couplings 5 per cent. is added.

TINPLATES.—Trade is only fair. Charcoals are worth $4.75 to $5.25 per box and cokes, $4.25 per box.

CANADA PLATE.—Quite a few shipments of Canada plates have been received this week, but the market remains firm and prices are unchanged. Some houses are short on 60-sheet Canada plates. We quote: 52's, $2.70 to $2.80; 60's, $2.85 to $2.90; 75's, $2.80 to $2.85; full polished, $3.75, and galvanized, $4.25 to $4.35.

STEEL.—The market continues active. Our quotations are as follows: Sleighshoe, $2.10; tire, $2.15; bar, $2.05; spring, $2.85; reeled machinery, $2.85; toecalk, $2.70.

SHEET STEEL.—Trade is quiet and no changes have occurred in quotations: Nos. 10 to 20, $2.50; 3-16, $2.50; ¼, 5-16 and ⅜, $2.40.

TOOL STEEL.—There is nothing new to report in this market. There is not much doing. Jessop's is quoted at 13c.; Diamond at 8c., and Leonard's at $7.50 per 100 lb.

TERNE PLATES.—A considerable quantity of terne plates have lately arrived on this market, but the demand is still light. The price is $7.75 to $8.

COIL CHAIN.—There has been a quiet market during the past week, and the present demand is not active. We quote: No. 6, 12½c.; No. 5, 10½c.; No. 4, 10c.; No. 3, 9½c.; ¼-inch, 7¼c. per lb.; 5-16, $5; 5-16 exact, $5.25; ⅜, $4.25; 7-16, $4.05; ½, $3.95; 9-16, $3.85; ⅝, $3.55; ¾, $3.50; ⅞, $3.45; 1-inch, $3.45. In carload lots an allowance of 10c. is made.

SHEET ZINC.—No further change has been made in the price, which is now

$5.85 to $6.25. The market is quiet.

ANTIMONY.—There is little doing. The price is 10c.

ZINC SPELTER.—Trade is fair and the price is unchanged from 5c.

SOLDER.—Business in this line continues satisfactory all round. There has been no change in the price. We quote: Bar solder, 18c., and wire solder, 20c.

PAINTS AND OILS.

Turpentine was reduced in price on May 1 2c. per gallon. Dealers here refuse to admit that this was on account of any great weakness in the Southern market, which, although it did not develop the strength that was expected, still gave no cause for a reduction in the price here. It is stated that the reduction was brought about under pressure from Toronto. Meanwhile the local market is steady. In linseed oil there has been no quotable change. The market, however, is practically bare of oil, and dealers are awaiting the arrivals of the first shipments next week. Paris green continues very active at the prices we quote. In mixed paints and paint materials generally, the demand has been excellent. We quote:

WHITE LEAD.—Best brands, Government standard, $5.87½; No. 1, $5.50; No. 2, $5.12½; No. 3, $4.75; No. 4, $4.37½ all f.o.b. Montreal.

DRY WHITE LEAD.—$5.25 in casks; kegs, $5.50.

DRY WHITE ZINC.—Pure dry, 6¼c.; No. 1, 5¼c.; in oil, pure, 7¼c.; No. 1, 6¼c.; No. 2, 5¼c.

PUTTY.—We quote: Bulk, in bbls., $1.90 per 100 lb.; bulk, in less quantity, $2.05; bladders, in bbls., $2.25; bladders, in 100 or 200-lb. kegs or boxes, $2.40; in tins, $2.55 to $2.65; in less than 100-lb. lots, $3 f.o.b. Montreal, Ottawa, Toronto, Hamilton, London and Guelph. Maritime Provinces, 10c. higher, f.o.b. St. John and Halifax.

ORANGE MINERAL.—Casks, 7c.; 100-lb. kegs, 7¼c.; smaller quantities, 8¼c.

RED LEAD.—Genuine red lead, in casks, $4.50; in 100-lb. kegs, $4.75; in less quantities, $5.75 per 100 lb. No. 1 red lead, casks, $4.25; kegs, $4.50, and smaller quantities, $5.50.

LITHARGE.—Ground, casks, 5c.; less quantities, 5½c.; flake litharge, casks, $5.25; smalls, $5.75 per 100 lb.

LINSEED OIL.—Raw, 80c.; boiled, 83c. In 5 to 9 barrels, 1c. less. Terms, net cash in 30 days. Delivered in Ontario, between Montreal and Oshawa, at 2c. per gallon advance, and freight allowed.

TURPENTINE.—Single barrels, 68c.; 2 to 4 barrels, 67c. Terms, net cash in 30 days.

SHELLAC VARNISH.—Pure white, $2.35 to $2.45; orange, $2.25 to $2.35.

MIXED PAINTS.—$1.20 to $1.45 per gallon.

CASTOR OIL.—8¾ to 9¼c. in wholesale lots, and ½c. additional for small lots.

SEAL OIL.—47½ to 49c.

COD OIL.—32½ to 35c.

PARIS GREEN.—Petroleum, bbls., 16¾c. per lb.; arsenic kegs, 17c.; 50 and 100-lb. drums, 17½c.; 25-lb. drums, 18c.; 1-lb. packages, 18½c.; ½-lb. packages, 20½c.; 1-lb. tins, 19½c.; ½-lb. tins, 21½c. f.o.b. Montreal. Terms: 3 per cent. 30 days, or four months from date of delivery.

SCRAP METALS.

Large shipments of scrap metals have arrived on this market, and the scarcity in some lines has been relieved. The local price has been affected by the large orders placed abroad by the rolling mills, deliveries of which are now being made. Machinery scrap is now quoted at $16, an advance of $1, and stove plate at $12, an advance of $1 to $2. Quotations are as follows: Heavy copper and wire, 11c. per lb.; light copper, 8c.; heavy red brass, 11c.; heavy yellow, 9c.; light brass, 5c.; lead, 2⅞ to 2⅝c.; zinc, 2½c.; iron, No. 1, wrought, $17; No. 2, $7 per ton; machinery scrap, $16; stove plate, $12; malleable and steel, $5; mixed country rags, 60 to 70c. per 100 lb.; old rubbers, 6¼c. per lb.

GLASS.

The market for glass remains very quiet. Shipments have not yet arrived. We quote: First break, 50 feet, $2.10; second, $2.20 for 50 feet; first break, 100 feet, $4; second break, $4.20; third break, $4.70; fourth break, $4.95.

HIDES.

There has been no change in the price of hides this week though the market in all lines is firmer and sales of beef hides are said to have taken place at an advance of ½c., owing to the small deliveries. Calfskins are plentiful, and our quotations are as follows: No. 1 hides, 9c.; No. 2, 8c.; No. 3, 7c. No. 1 calfskins, 12c. Sheepskins, 70c. Lambskins, 10c. per lb.

MONTREAL NOTES.

Turpentine is 2c. per gallon lower.

Machinery scrap iron has advanced $1 and stove plate is $1 to $2 higher.

ONTARIO MARKETS.

Toronto, May 9, 1902.

HARDWARE.

BUSINESS is still of a fairly brisk character, but the movement is not as brisk as it was a week or so ago. This, of course, is only natural. The spring sorting-up trade is yet to be done. The difficulty of getting goods in certain lines of builders' hardware is one of the features of the trade, in some instances manufacturers reporting that they cannot fill orders less than three to five months from receipt of same. Prices, generally, are firm in tone, and in some lines there have been actual advances during the week. Mrs. Potts' sad irons are up 5c. a set. Cotton wrapping twine and "Hercules" sash cord are ½c. per lb. dearer. A readjustment of prices has been made in black and galvanized pipe, the result of which is a slight advance in some sizes and a decline in others.

BARB WIRE.—The movement from stock has been quite brisk during the past week. Prices are steady and unchanged. We quote: F.o.b. Cleveland, $2.27½ for less than carlots, and $2.65 for carlots. From stock, Toronto, $3.

GALVANIZED WIRE.—Business continues fairly brisk. We quote: Nos. 6, 7 and 8, $3.50 to $3.85 per 100 lb., according to quantity; No. 9, $2.85 to $3.15; No. 10, $3.60 to $3.95; No. 11, $3.70 to $4.10; No. 12, $3.30 to $3.30; No. 13, $3.10 to $3.40; No. 14, $4.10 to $4.50; No. 15, $4.60 to $5.50; No. 16, $4.85 to $5.35. Nos. 6 to 9 base f.o.b. Cleveland are quoted at $2.52½ in less than carlots and 12c. less for carlots of 15 tons.



SMOOTH STEEL WIRE.—There is a fairly good demand for oiled and annealed wire at firm prices. We quote the base price as follows: $2.60 per 100 lb. Oiling, 10c.; coppering, 60c.; and tinning, $2 per 100 lb. extra. Delivery points Toronto, Hamilton, London and Montreal, with freights equalized on those points.

FINE STEEL WIRE.—Business continues fair. Discount is 22½ per cent.

WIRE NAILS.—Trade is keeping up well. Quite a few carload lots have gone out during the week. Quotations are: $2.55 for less than carlots and $2.50 for carlots. Delivery points, Toronto, Hamilton, London, Gananoque and Montreal.

CUT NAILS.—The movement is still light. We quote base price at $2.45 per keg with an allowance of 7½c. per keg on carlots.

HORSE NAILS.—Trade is quiet, and the discounts are as follows: "C" brand, oval head, 50 and 7½ per cent., and on "M" and other brands, 50, 10 and 5 per cent. Countersunk head 60 per cent.

HORSESHOES.—Very little business is being done. We quote f.o.b. Toronto: Iron shoes, No. 2 and larger, light, medium and heavy, $3.60; snow shoes, $3.85; light steel shoes, $3.70; feather weight (all sizes), $4.95; iron shoes, No. 1 and smaller, light, medium and heavy (all sizes), $3.85; snow shoes, $4; light steel shoes, $3.95; featherweight (all sizes), $4.95.

PRESSED SPIKES.—There is a fair trade at the recent advance. Discount, 22½ per cent.

SCREWS.—Business continues good and prices steady. Discounts are: Flat head bright, 87½ and 10 per cent.; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.; round head bronze, 65 per cent., and flat head bronze 70 per cent.

RIVETS AND BURRS.—Activity is still the feature of trade in this line. We quote as follows: Iron rivets, 60 and 10 per cent.; iron burrs, 55 per cent.; copper rivets, with usual proportion of burrs, 45 and 10 per cent.; copper burrs alone, 30 and 10 per cent.

BOLTS AND NUTS.—The demand for nuts is as brisk as ever and prices are firm. Quotations are as follows: Carriage bolts, common ($1 list), 50 per cent.; carriage bolts, full square ($2.40 list), 55 per cent.; carriage bolts, Norway iron ($3 list), 55 per cent.; machine bolts, all sizes, 50 and 5 per cent.; coach screws, cone points, 66 2-3 per cent.; elevator shaft and whiffletree bolts, 50 per cent.

ROPE.—There is a good steady trade being done in rope and prices are firm. We quote as follows: Pure manila, 16c.; British manila, 14½c.; sisal, 13c.; lath-yarn, 12c.; sisal bed cord, 3 cord, 48 ft., 65c.; 60 ft., 80c.; 72 ft., 95c. per doz.

BINDER TWINE.—There is not a great deal going out at the moment, but prices rule firm at the recent advance. Our quotations are as follows: "Blue Ribbon," 650 feet, 15c.; "Red Cap," 600 feet, 14c.; "Tiger," 580 feet, 13c.; sisal, 500 feet, 11½c.

SASH CORD.—An advance of ½c. per lb. has been made in the price of "Hercules" sash cord.

TWINE.—No. 3-ply cotton wrapping twine has been advanced ½c. per lb., and is now being quoted at 18½ to 19c.

SAD IRONS.—The price of Mrs. Potts sad irons has been advanced and polished are now quoted at 70c. per set, and nickleplated at 75c.

EAVETROUGH, ETC.—Manufacturers and wholesale dealers report a continuance of a good demand for eavetrough and conductor pipe. Eavetrough is quoted at $3.10 per 100 square feet for 10-in., and conductor pipe at $4 for 3-in. and $5.25 for 4-in.

SCREEN DOORS AND WINDOWS.—Forward orders are complated and as it is early yet for the sorting-up trade there is not much doing at present. Common doors, 2 or 3 panel, are quoted f.o.b. factory points as follows: Walnut, stained, 3-in. style, $6.80 per dozen; stained, yellow, $7; natural color, oil finish, $8.15; 4-in. style, 20c. extra per dozen. Windows: No. 0, $1.60; No. 1, $1.70; No. 2, $1.95; No. 3, $2.10; No. 4, $2.50 per dozen.

SPADES AND SHOVELS.—A fairly steady business is being done and prices are steady and unchanged. Discount, 40 and 5 per cent.

HARVEST TOOLS.—Malleable "D" goods are still scarce and the demand is good. Discount, 60 per cent.

BUILDING PAPER.—The demand is fairly good. We quote as follows: Dry sheathing, grey or straw, 30c. per roll; tar sheathing, grey or straw, 40c. per roll; dry fibre, 50c. per roll; tarred fibre, 60c. per roll.

LAWN MOWERS.—Business is fairly good. The discount on high-wheel mowers is 50 per cent.; "Star" mowers, 9-inch wheels, $2.50 to $3; "Daisy" mowers, 17-inch wheels, $2.25 to $2.50.

POULTRY NETTING.—The season is about over although a few orders are still coming forward.

GREEN WIRE CLOTH.—A good sorting up business is being done at $1.. per 100 square feet.

TINWARE AND ENAMELLED WARE.—A good trade is being done this week.

REFRIGERATORS AND FREEZERS.—The demand the past week has been active for both refrigerators and ice cream freezers.

GAS AND OIL STOVES.—There is a good movement this week.

STOVES.—Travellers are booking orders for stoves for fall delivery. The number booked appears to be fairly good.

SPORTING GOODS.—Quite a few loaded shells are going out this week, but there is not much doing in guns and rifles.

CEMENT.—The demand is improving with the warmer weather, but the prices continue weak. Our quotations are as follows: Canadian Portland, $1.90 to $2.50; Canadian hydraulic, $1.25 to $1.50; German cement, $3; English, $3 to $3.15; Belgian, $2.50 to $2.75 per bbl., and American, $2.20 to $2.30 ex-cars.

METALS.

The pig iron market continues to gather strength. Prices in the United States are 50c. to $1.50 per ton higher. In nearly all kinds of metals business is seasonably good, and copper is about the only kind that shows any weakness in price.

PIG IRON.—The market is still very strong with supplies scarce. Prices are advancing sharply in the United States. During the past week prices there have appreciated 50c. to $1.50 per ton. Pig iron is about $4.50 per ton higher than it was a year ago.

BAR IRON.—The demand continues good with prices firm. We quote $1.95 to $2.05 base. Extras cut to length while rolling: 2 ft. and over, 10c. per 100 lb.; 1 ft. and under 2 ft., 15c.; under 1 ft., 20c.; over 20 ft. by special agreement, according to length and size.

STEEL.—The situation remains much about the same, prices being high and supplies scarce. We quote: Merchantable cast steel, 9 to 15c. per lb.; drill steel, 8 to 10c. per lb.; "B C" and "Black Diamond" tool steel, 10 to 11c.; Jessop's, Morton's and Firth's tool steel, 14c.; toe-calk steel, $2.85 to $3; tire steel, $2.30 to $2.50; sleighshoe steel, $2.10 to $2.25; reeled machinery steel, $3; hoop steel, $2.90.

BOILER TUBES.—These continue scarce and dear. We quote, per foot: 1½, 1¾ and 4 in., 10c.; 2½-in., 17½c.; 3-in., 14c.

BLACK SHEETS—There is a good, steady demand for black sheets this week. We quote: Common, $3 15 for 28 gauge; and dead flat, $2.50 for 26 gauge.

CANADA PLATES — A fair amount of business is being done. We quote: All dull, $3; half polished, $3.10; all bright, $3.75.

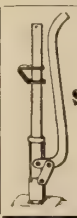
GALVANIZED SHEETS — The demand is brisk and stocks are light. We quote in case lots as follows. Queen's Head, $4.50 for 28 gauge; American, $4 40 for 29 gauge; Bell brand, $4 20 for 28 gauge.

PIG TIN—The outside markets are decidedly strong and much higher than a week ago. Locally, orders are numerous, but small, with prices firm at $30 to $31 per 100 lb.

OAKEY'S 'WELLINGTON' KNIFE POLISH

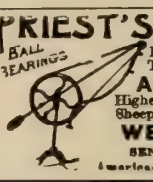
The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.

JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
Wellington Mills, London, England.
Agent:
JOHN FORMAN, 644 Craig Street
MONTREAL



COVERT MFG. CO.
West Troy, N.Y.
Steel Carriage and Wagon Jacks,
Harness Snaps, Chain, Rope and Web Goods, etc.
FOR SALE BY JOBBERS AT MFRS. PRICES.

PRIEST'S CLIPPERS



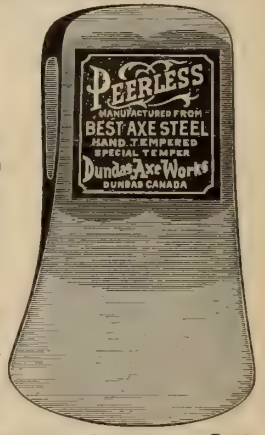
Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., U.S.A.

Don't Forget the Name. . .
NEWMAN'S INVINCIBLE FLOOR SPRINGS
Strong, Quick, Reliable, Effective.
Will close a door against any pressure of wind. Far ahead of ordinary door springs, pneumatic or otherwise. Ask your wholesaler.
W. NEWMAN & SONS, Birmingham.

Oneida Community Goods
HALTERS, COW TIES SNAPS, etc., etc.,
in all sizes and styles. May be had of all jobbers throughout Canada.
Factory—NIAGARA FALLS, ONT.

A RECORD

Out of 6,000 Axes sold under guarantee in 1901 we did not have six returned broken.



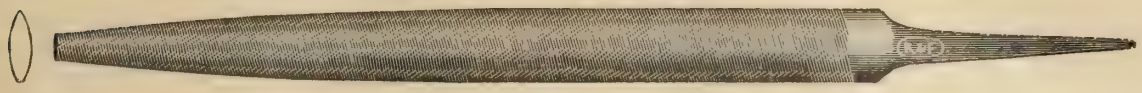
Dundas Axe Works, Dundas, Ont.
W. L. Haldimand, Jr., Montreal Agent.

THE NICHOLSON FILE CO.,

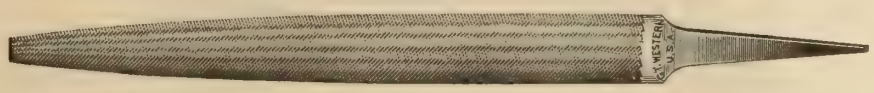
DOMINION WORKS, PORT HOPE, CANADA.

FILES and RASPS

KEARNEY & FOOTE BRAND



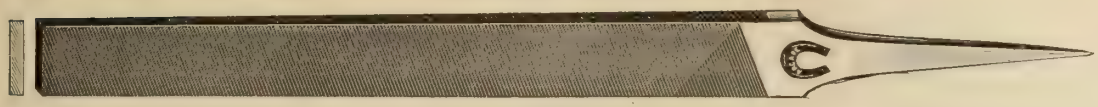
GREAT WESTERN BRAND



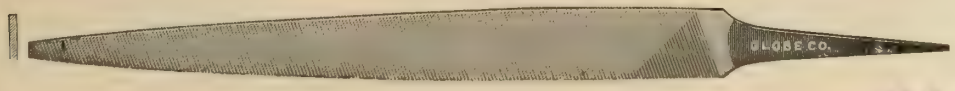
AMERICAN BRAND



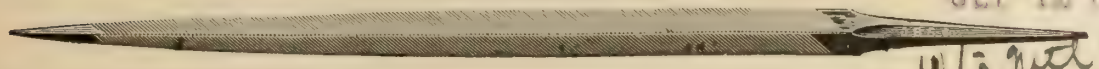
ARCADE BRAND



GLOBE BRAND



J. BARTON SMITH BRAND



The largest manufacturers in the world.

We manufacture the well-known brands of Cast-steel Files and Rasps shown herewith, all of which are warranted for high-class material and superior workmanship.

Our goods are now sold in the four quarters of the globe, command the highest prices, and have won for themselves an enviable reputation, acquired as the result of many years' experience.

Walter Grose, Montreal,

Selling Agent for the Dominion of Canada.

One or other of the above brands may be purchased from all prominent Hardware Merchants throughout the Dominion who carry an assorted stock.

SEP 12 1902

TINPLATES—The demand is good and prices keep firm. Local stocks are in fairly good condition. We quote I C, 14x20, at $4.25.

TINNED SHEETS—The demand is good. We quote: 70 x 30, up to 24 gauge, 7½c.; ditto, up to 26 gauge, 8c.

COPPER—The London market is weak and lower, but in New York prices are a little steadier and more in sellers' favor than they were. Locally there is a fair demand for ingot copper, and trade in sheet copper is a little better than it was. We quote ingot at $15 per 100 lb., and sheet copper at $22 to $23.

BRASS—A moderate amount of business is being done. Discount, 15 per cent.

PIG LEAD—Inquiries are numerous, but orders are for small quantities. Quotations rule at $3.50 to $3 75 for pig lead and $5 for bar lead.

IRON PIPE—A good business is being done. Some good orders have recently been received on British Columbia and Klondike account. Under date of May 7, a new list of prices went into force. In some sizes prices are slightly higher, while in others they are lower. In sizes above 2-in. there is no change. We quote per 100 ft.: ¼-in., $2.40; ⅜ in., $2.65; ½-in., $2.85; ¾-in., $3.65; 1-in., $5.20; 1¼-in., $7.35; 1½-in., $8 95; 2-in., $12.55; galvanized, 1 in., $7.20. Trade discount 4 per cent.

ZINC SPELTER—Business is more active. Prices are steady. We quote $5.50 to $6.

ZINC SHEET—The demand is good. We still quote cask lots at $6 to $6.25, and part casks at $6.25 to $6.50.

SOLDER—A good business is being done. We quote: Half-and-half, guaranteed, 19c.; do. commercial, 18½c.; refined, 18c.; wiping, 17½c.

ANTIMONY—Trade is quite active this week at $9 50 per 100 lb.

PAINTS AND OILS.

The raw and boiled linseed oil market has developed considerable strength during the last ten days. In Great Britain several advances, equivalent to an advance of 5c. per gal. laid down here, have occurred, and this is causing the Canadian manufacturers to raise their prices. A change has been made in the way raw and boiled oil is being quoted here and considerable advances will take place, should the English market continue in its upward career. The turpentine market in the South is much stronger and the prices here have a strong upward tendency. In white leads ground in oil, and mixed paints, the prices are firm, in sympathy with the strong market for linseed oil. Locally, there has been a quiet trade doing in paint and oil lines. The weather has been wet and cold during the week, hindering outdoor work. Besides, painters already have purchased supplies sufficient to last them for a few days. There is a good demand for dry colors and white leads ground in oil for shipment to points outside of this city, but the uncertainty of the turpentine market is causing that article to be bought sparingly. We quote:

WHITE LEAD—Ex Toronto, pure white lead, $5 87½; No. 1, $5.50; No. 2, $5.12½; No. 3, $4.75; No. 4, $4 37½ in packages of 25 lb. and upwards; ½c. per lb. extra will be charged for 12½ lb. packages; genuine dry white lead in casks, $5.12½.

RED LEAD—Genuine, in casks of 560 lb., $5 to $5.12½; ditto, in kegs of 100 lb., $5.50; No. 1, in casks of 560 lb., $4; ditto, kegs of 100 lb., $4 50.

LITHARGE—Genuine, 6 to 6½c.

ORANGE MINERAL—Genuine, 7½ to 8c.

WHITE ZINC—Genuine, French V.M., in casks, $6 to $6 25; Lehigh, in casks, $6.

SHINGLE STAIN—In 5-gal. lots, 60c. to $1.20 per gal.

BENZINE—In barrel lots, 17c. per gal.; less quantities, 25c. per gal.

PARIS WHITE—90c. to $1 per 100 lb.

WHITING—65c. per 100 lb.; Gilders' whiting, 80c.

GUM SHELLAC—In cases, 35c.; in less than cases, 40c. per lb.

LIQUID SHELLAC—Pure orange, in bbls., $2 25 to $2.35; white, $2.35 to $2.45 per gal.; in less quantities, 10c. extra.

PUTTY—Bladders, in bbls., $2 25; bladders, in 100-lb. kegs, $2 40; bulk in bbls., $1.90; bulk, less than bbls. and up to 100 lb., $2.05; bladders, bulk or tins, less than 100 lb., $2 90.

PLASTER PARIS—New Brunswick, $1.90 per bbl.

PUMICE STONE—Powdered, $2.50 per cwt. in bbls., and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in bbls.

LIQUID PAINTS—Pure, $1.20 to $1.40 per gal.; No. 1, $1.10 per gal.

CASTOR OIL—English, in cases, 9½ to 10c. per lb. and 10 to 10½c. for single tins.

LINSEED OIL—Raw, 1 to 2 barrels, 82c.; boiled, 85c.; 3 to 5 barrels, raw, 81c.; boiled, 84c.; 6 to 9 barrels, raw, 79c.; boiled, 82c.; 10 to 60 barrels, raw, 77c.; boiled, 80c., delivered. To Toronto, Hamilton and London, 2c. less.

TURPENTINE—Single barrels, 69c.; 2 to 4 barrels, 68c., delivered. Toronto, Hamilton and London 1c. less. For less quantities than barrels, 5c. per gallon extra will be added, and for 5-gallon packages, 50c., and 10-gallon packages, 80c. will be charged.

GLASS.

There is a good local demand: We quote: Under 26 in., $4 45; 26 to 40 in., $4.65; 41 to 50 in., $5.10; 51 to 60 in., $5.35; 61 to 70 in., $5 75; 71 to 80, $6.25; 81 to 85, $7; 86 to 90, $7.75; Toronto, Hamilton and London. Terms, 4 months, or 3 per cent. 30 days. Discount off pane price list, 33⅓ per cent.

OLD MATERIAL.

There are large receipts and the demand for all kinds of metals is good. Prices are steady and unchanged. We quote as follows: Heavy copper and wire, 10¼c. per lb.; light copper, 8c. per lb.; heavy red brass, 10c.; heavy yellow brass, 8 to 8½c.; light brass, 5c.; lead, 2¼ to 2½c.; scrap zinc, 2¼ to 2½c.; iron, No. 1 wrought, $14.50 per net ton; No. 2 wrought, $6; machinery cast scrap, $14; stove plate, $10; malleable and steel, $6; old rubbers, 6c. per lb., and country mixed rags, 50c. per 100 lb.

HIDES, SKINS AND WOOL.

HIDES—Hides have advanced another ½c on account of their scarcity. We quote: No, 1 green, 7½c.; No. 2 green, 6½c.; No. 1 green, steers, 8½c.; No. 2 green, steers, 7½c.; cured, 8½c.

SKINS—The season for sheepskins is about over. The receipts of calfskins are large. We quote: No. 1 calfskins, 10c.; and No. 2, 8c.; deacons (dairies) 60 to 70c. each; sheepskins, 80c. to $1; lambskins, 20c.

WOOL—Very little trade is doing. We quote: Fleece wool, 12½c., and unwashed, 7c. per lb.

SEEDS.

Trade is slackening as the season is nearly over. We quote out of store at Toronto: Red clover, $6.50 to $9; alsike, $10 to $16, and timothy, $7.80 to $8.25.

COAL.

There is a good demand for soft coal, but trade in hard coal is light. We quote prices at international bridges as follows: Grate, $4.75 per gross ton; egg, stove and nut, $5 per gross ton; soft coal, $2.50 to $3.25 in bond.

PETROLEUM.

Trade continues steady at unchanged prices. We quote: Pratt's Astral, 17 to 17½c. in bulk (barrels extra); American water white, 17½ to 18c. in barrels; Photogene, 17 to 17½c.; Sarnia water white, 16½ to 17c. in barrels; Sarnia prime white, 15 to 15½c. in barrels.

MARKET NOTES.

Mrs. Potts sad irons are 5c. per set dearer.

Prices on black and galvanized pipe have been readjusted.

Cotton wrapping twine and "Hercules" sash cord are ½c. per lb. higher.

DOING A GOOD BUSINESS.

J. S. Bennett, of Toronto, is doing a large business these days in shelf boxes and screw and bolt cases. Among the orders received are the following: Russill & Co., Toronto, for their new hardware store; E. Lapierre, Buckingham, Que., and Cote, Boivin & Co., Chicoutimi, Que. The last named firm has also ordered a screw case. An order from Fletcher & Hunter, Toronto, has also been received for a screw case. Bolt cases have been ordered by M. Sutton, Andover, N.B., and James Dillon, Fort Qu'Appelle, N.W.T.

TO PUSH THEIR VARNISH HERE.

Mr. W. H. Ennis, representing The Murphy Varnish Co., No. 80 Dattery Marsh, Boston, was in Toronto last week in the interest of his firm. The Murphy Varnish Co. have decided to push business in Canada, and are establishing agencies throughout the country.

HIS BODY FOUND.

A few weeks ago, HARDWARE AND METAL reported the disappearance of Mr. J. B. McDonough, a traveller representing Henderson & Potts, paint manufacturers, Montreal, who went from his hotel at Prescott, Ont., and had not been seen since. It was supposed that he had been drowned, and this has turned out to be correct. The body was found on Saturday, May 3, in the bay at Prescott.

Mr. McDonough disappeared during the latter part of February, while visiting the trade in Ontario.

PERSONAL MENTION.

Mr. J. L. Richardson, who has been representing D. K. McLaren, of Montreal, in the Province of Ontario, has accepted a position as salesman for The Durham Rubber Co., Limited.

NAILING MACHINE WANTED.

A manufacturer in Toronto is desirous of purchasing a nailing machine for handling boot rivets, ½ to 1 inch in size. Can any of our readers inform us where such a machine can be obtained?

INDUSTRIAL GOSSIP.

A NEW BRUNSWICK COMPANY.

The Hartland Mercantile Company, Limited, Hartland, N.B., is applying for incorporation. Twenty thousand dollars, divided into 200 shares of $100 each, is the amount of the capital stock, and the following are the incorporators, the first three named being the provisional directors:

J. T. Allen Dibblee, merchant, Woodstock, N.B.; George M. Shaw, merchant, Arthur R. Rigby, bookkeeper, Arthur L. Baird, clerk, Hartland, N.B.; W. Jack Dibblee, clerk, Woodstock, N. B., and Mary E. Shaw, married woman, Hartland, N. B.

The reasons for incorporating are to purchase the business of J. T. Allen Diblee and George M. Shaw, at present conducted under the style of Shaw & Dibblee, general merchants, Hartland, N B., and to carry on a business as plumbers, tinsmiths, hardware merchants, grocers and agricultural implement agents in the Province of New Brunswick and elsewhere.

A. R. McDonald is preparing to erect a number of tenement houses on property he recently purchased at the corner of Grand Allee and Scott streets, Quebec.

At London, Ont., D. McL. Grange is building a 1½-storey brick-veneered residence on Burwell street, and J. E. Downs a 1½-storey brick-veneered dwelling on Hamilton Road.

American Steel & Wire Co.

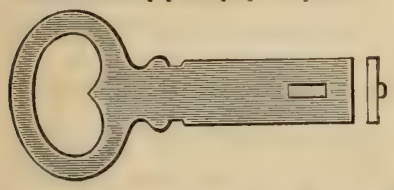
New York: Empire Building. Montreal: New York Life Building. Chicago: The Rookery.

BARB WIRE. GALVANIZED PLAIN WIRE.
PLAIN TWIST CABLE FENCING.

Telegraph and Telephone Wire, Mattress, Broom, Weaving Wires of every description, Rail Bonds, Bale Ties, Special Wires for all purposes. Springs, Horse Shoes, Wire Rope, Cold Drawn Steel Shafting.

KEYS

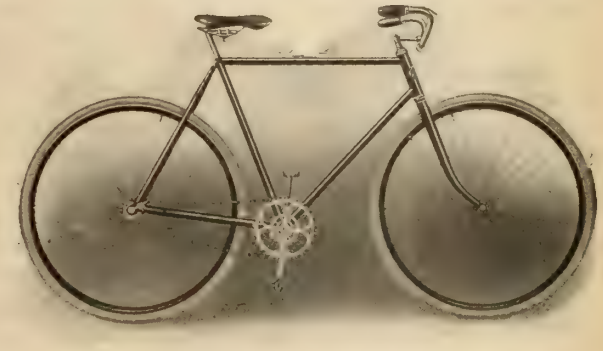
We have received our Spring stock and can ship promptly—Try us.



Bicycles

"EAGLE" AND "SNELL"

Send for Catalogues and trade quotations.



JOHN MILLEN & SONS

Branch: 132 Bay Street, Toronto, Ont. MONTREAL, CANADA

HOW THEY CAME OUT



They came out all right!

So does anyone who uses the genuine

AMERICAN or GEM

Spring Hinges

In use nearly forty years and noted for great durability and correct workmanship.

Please write to

LAMPLOUGH & McNAUGHTON, De Bresoles Street, MONTREAL, QUE.

Canadian Agents

Sole Manufacturers

The Columbian Hardware Company, COE and HAMILTON STREETS, Cleveland, Ohio

HEATING AND PLUMBING

PECULIAR DETERIORATION OF WROUGHT IRON PIPE.

In a communication to The Proceedings of the British Institution of Civil Engineers, William Wark reports an unusual experience with wrought iron pipe buried in light sandy soil at Hay, New South Wales. In the year 1885 the gas works were built, and the usual course was adopted of laying the consumers' services of ordinary black wrought iron pipe. The conditions of climate appeared to warrant the expectation that precautions such as are usual in the humid climate of the United Kingdom would not require the same consideration in New South Wales. It was assumed that the dryness of the climate would constitute a factor in the preservation of all ironwork, and this has proved to be so, but only in the case of iron not in contact with the soil.

After the lapse of 11 years attention was drawn to a steady increase in the amount of gas unaccounted for, and examination led to the discovery that the pipes had completely perished, and exposure to the air had caused them in some instances to crumble to pieces, while in others the granulated appearance on the external surface suggested galvanic action between the metallic base of the soil and the wrought iron. The suggestion that the action of coal gas was in any measure accountable for the corrosion was not upheld by any facts elicited during the investigation. The interior of the pipes may, through the action of impurities in the gas, scale and become filled with rust, but the evidence in the case strongly supported the assumption that the injury was due principally to external causes, and this theory is partially borne out by the fact that wrought iron water service pipes, in the town, have a life of only seven years.

The influence of soil in contact with the metal has been held responsible for the structural alteration of its character, but it has not been proved that the deterioration is due to the constituents of the soil, to dampness or to the alterations of moisture and dryness, and it is probable that, owing to the light character of the soil, the great variations of temperature throughout the seasons exercised some influence. Analysis of the soil disclosed the presence of large quantities of common salt and magnesium chloride, in addition to iron, alumina, silica, lime and phosphates. Owing to the dryness, heat and length of the summer season, it is customary to water the streets frequently, and, as they are uniformly level and without any system of drainage, the subsoil is continuously damp. It is conjectured that, as the result of this periodical street-watering, the combination of carbonic acid with the moisture so readily absorbed by the porous earth formed the basis of chemical action, and the alternate moisture and dryness no doubt greatly facilitated the process of deterioration. To all appearance, the trouble is confined to wrought iron, the cast mains not showing any signs of unusual injury. Experience in other parts of the colony is quite at variance with that at Hay. In Bathurst, where the soil is of a rotten granite nature, services are still in use, and appparently quite sound, after a life of 27 years.

In relaying the Hay services the preservative measures adopted consisted in applying heat to the pipe and then coating it with boiling coal tar, with a little lime added to neutralize the carbonic acid before application, and in imbedding the pipe in a layer of asphalt. Raw tar is not well suited for coating iron. Instances have been known of damage resulting from its use, the injurious action arising from the presence of carbonic acid. Exception has been taken to the inference that lime exerts a protective influence over wrought iron, since from its hygroscopic character it must act as the vehicle for conveying the very element which it should be the aim to exclude. Where clay is obtainable, puddle is recommended for the envelopment of pipes as a preventive against injury by corrosion.

BUILDING PERMITS IN OTTAWA.

The building permits taken out at Ottawa during the week are as follows: Robert Crain, for a brick-veneered dwelling on John street, for $800; Edwin McElroy, for a brick-veneered dwelling on Bell street, for $1,200; J. G. Kilt, for a brick-veneered dwelling on Stewart street, for $2,000; A. T. Grant, for two brick-veneered dwellings on Besserer street, for $1,500; James Paget, for a brick-veneered dwelling on Thornton street, for $1,800; James Baxter, for a brick-veneered dwelling on Maple street, for $1,300; Eugene Charbonneau, for a frame dwelling on Preston street, for $500; F. E. White, for two brick-veneered dwellings on James street, for $3,500; M. Corrigan, for a brick-veneered dwelling on Wellington street, for $1,800; Dennis Burke, for a brick addition to dwelling on Wilbrod street, for $400; Thomas Lawson, for a frame dwelling on Arthur street, for $300.

PLUMBING AND HEATING CONTRACTS.

Purdy, Mansell & Co., plumbers, Toronto, have secured plumbing and heating contracts for the hot water heating of a residence at 111 Dowling avenue, for D. Woolviston; the hot water heating in the conservatory of John Ryan, on Jarvis street; and the plumbing and gasfitting of a store and dwelling at 497 Yonge street.

BUILDING PERMITS IN TORONTO.

During the week building permits have been issued from the office of the city commissioner, Toronto, to the following: E. B. Taylor, for a two-storey brick residence on 54 Golden avenue, for $1,600; J. H. Craggs, for a two-storey brick addition to dwelling in rear of 196 Clinton street, for $450; Building Committee of Wycliffe College, for a two-storey brick and stone convocation hall, for $15,000, on Hoskin avenue; H. Ritchie, for a two-storey brick and stone dwelling on the north side of Woodlawn avenue, for $4,000; A. T. Howe, for a two-storey roughcast addition to factory on 118 Ossington avenue, for $300; Queen City Curling Club, for a two-storey brick rink on the north side of Hayden street, for $8,000; S. Cross, jr., for a two-storey brick and roughcast dwelling on 680 Gerrard street east, for $900; Mrs. P. Corcoran, for a two-storey roughcast dwelling on 385 St. Clarens avenue, for $900; Mrs. M. A. Bishop, for a two-storey brick residence on 179 Roxborough street, for $6,000; J. Donovan, for a two-storey brick and roughcast dwelling on 210 Van Horne street, for $750; Mrs. Jennie Preston, for alterations and brick addition to dwelling on 25 Earl street, for $1,200; Peter Steels, for a two-storey brick and roughcast dwelling on 12 Cobourg avenue, for $800; Macpherson Estate, for a two-storey brick residence on the north side of Cluny avenue, for $5,500; and the Macpherson Estate, for two houses, one on the south side of Crescent road and the other on the north side of Cluny avenue, each two-storeys high, of brick, and costing $4,500.

PAINT AND LEAD



There's plenty of money in Paint and Lead if you get the right kind.

RAMSAY PAINTS pay, because they are the best paints at the best price, with the proper advertising to assist you, and we shall tell you all about it if you ask.

RAMSAYS EXTERIOR LEAD pays, because the painter must and will have lead, and here is a lead proved better than pure lead or any other make and cheaper than pure lead as well.

A. RAMSAY & SON
MONTREAL

PAINT MAKERS
EST'D 1842

Booth Copper Co., Limited

Cuts Copper and Brass

SHEETS—TUBES—RODS

to any size.

FULL STOCK ALWAYS ON HAND.
PROMPT SHIPMENTS.

The BOOTH COPPER CO., Limited

119-123 Queen St. East,

TORONTO.

To the Retail Hardware Trade.



RETURNED JUL 16 1902

You have a reputation for good goods to keep up. Why sell a cheap or inferior Scale when you can handle

"THE FAIRBANKS STANDARD?"

Quality tells, and good goods are a man's best advertisement. We can furnish you with every variety of Scale, and guarantee prompt shipments.

THE FAIRBANKS COMPANY

747 and 749 Craig St., Montreal.

MONTREAL PLUMBERS.

THE plumbers' strike in the city of Montreal has not come to the sudden end that was expected by the unions. When over half of the city's master plumbers agreed to the men's demands, it was thought that the others would soon follow. But those remaining out have determined to fight the unions, and a settlement looks to be farther off than ever, for the men are also determined not to go back except under the conditions they have named.

Those journeymen plumbers who were working outside the city for employers who have not signed the agreement with the unions, have been ordered to stop work immediately, and they have done so. Thus a good deal of the building going on about the city has been terminated, and the effects of the strike are far wider reaching than at first. It is said that if non-union men are put to work on these contracts the carpenters, painters, etc., will refuse to work with them. A few more firms have signed the men's demands, bringing the number of men now out on strike down to 130.

The master plumbers who have not acceeded to the men's demands, drew up the following resolution :

We, the master plumbers of Montreal, do hereby agree to stand by one and all in the strike now taking place between the men and ourselves ;

We, moreover, bind ourselves not to agree to the conditions now asked by our men, for any consideration ;

We also agree to help one another in time of need to complete any contract which would put one of our confreres in a close call to his disadvantage.

This was signed by Messrs. Thomas Mall, John Date, Bourbonniere & Lapierre, Drapeau & Champagne, M. Walsh & Co., C. E. Thibault, The Garth Company (per H. Garth, director), C. Rousin, James A. Sadler ; Blouin, Desforges & Latourelle ; E. F. Froidevaux, D. Duquette, M. Germain & Co., E. Dufort, P. Page, G. Quinal, J. A. Labelle, P. Krasel, Navert & Lauzon, J. Lafrauce & Co., N. Belanger, J. P. Lamarche, W. A. Stephenson & Co., Carroll Bros. & Co., Alex. Mackay & Co., Ogilvie Bros., Denman & Bethune, Henri Thibault, John A. Gordon, J. A. Giroux, V. Sicard, J. Perrault, E. Rousseau, Charette & Frere, L. Dalcourt, C. Prevost, J. E. H. Paddon, E. Riopelle, Armstrong & Petit, F. Hakey, T. O'Connell, Emery L'Esperance, John Burns & Co., Gordon & Egan, H. A. Egan, Joseph Laurier, D. Ouimet, Jos. Roy, J. W. Hughes, R. N. Sevigny, J. Lachapelle, J. Vezina, A. Belanger, A. Gagnon, D. Dugas & Co , G. Rosser, J. Markum, L. Gladu, J. Boucher, Hane & Montpetit, P. Lemay, P. Leclerc & Son, F. Forest & Co., F. Laurin, E. Blackhim, Z. St. Aubin, J. Young, D. Brunet, J. Turcotte, H. Bowles, J. Roy and E. J. Morin.

The employers declare that if they signed the contract required of them by the union it would have the effect of practically giving the conduct of their business over to their employes, and they decline to give up the management of their own shops.

The men give it as their opinion that the strike may last two weeks, but do not think that any journeymen plumbers will come to Montreal from other places and work for the wages now paid.

Meanwhile, many people have been put to a great deal of inconvenience. The May movings included as large a number of people as ever, and the houses which had to be attended to have, in many cases, gone without a bit of work done on them.

SOME BUILDING NOTES.

W. CARROL is building a brick house at the corner of King William and Emerald streets, Hamilton at a cost of $1,600.

A new schoolhouse is being built at New Denver, B.C.

A new Roman Catholic imfirmary is being built at Halifax.

A new town hall is being erected at Waterford, Ont.

George Berkner is building a house at Milverton, Ont.

A $30,000 public school is being erected at Edmonton, N.W.T.

A workshop is being erected at Halifax for the waterworks department.

S. Brant is preparing to build a new house at Elsinore, Ont.

A new public building has been commenced at Granby, Que.

W. R. Hull is going to erect a large business block at Calgary, N.W.T.

Tenders have been asked for the erection of a new public library at Windsor, Ont.

J. Costigan will erect a new block at Portage la Prairie, Man.

John Duncan will erect a new post office building and residence at Thamesville, Ont.

Alex. Armstrong is building a house and D. McLean a residence at Loveville, Man.

A sash and door and butter box factory is being built at Hillsbury, Ont., by Cockburn & Harrison.

F. G. Kamstedt is building a brick store, and J. A. and W. J. Boyd are each erecting new residences at Flesherton, Ont.

The Chatham Manufacturing Co. are building an addition, 145 x 145 ft., to their factory at Chatham, Ont.

A new three-storey hotel, 50 x 100 ft., will be erected at the corner of Pender and Howe streets, Vancouver.

A three-storey building will be erected on Sebastopol street, Montreal, for the Railroad Y.M.C.A and the Grand Trunk Literary and Scientific Institute.

J. H. G. Russel is receiving tenders for the erection of a brick and stone store on Portage avenue, Winnipeg.

FIDDES AND HOGARTH HAVE SEVERAL CONTRACTS.

Fiddes & Hogarth have received the contracts for the plumbing and heating of a residence for Gerhard Heintzman on Bloor street, the plumbing and heating of six houses on Gerrard street for W. H. Gibbs, the plumbing and heating of a house on Jarvis street for Dr. Sheard ; the plumbing and heating of a house on Walker avenue for Dr. Trigg ; the plumbing and gasfitting of a house on Maitland Place for Thomas Wilkins, and the heating of the St. Charles Hotel on Yonge street for John O'Neill.

SITUATION VACANT.

HARDWARE CLERK WANTED — ONE who can speak German will have the preference. State wages wanted. References required. Apply, Box 89, HARDWARE AND METAL, Toronto. (19)

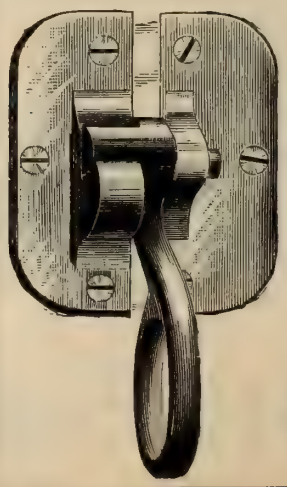
CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY, MONTREAL.

Increase Your Business

by having **efficient telephone facilities.** We will quote you rates on Private-Branch Exchange System in your Office, Warehouse or Factory.

The Bell Telephone Co. of Canada.

P. J. CONROY, Manufacturer of
REFRIGERATOR HARDWARE



Paschall Station, Phila., Pa.

The "Conroy" Refrigerator Door Fastener.

McArthur, Corneille & Co.

MONTREAL

Manufacturers and Importers of . . .

White Lead,
Oils and Colors,
Prepared Paints,
Window Glass,
Varnishes, etc.

Glue and Gelatine

In extensive assortment, to suit all requirements.

WILL BE PLEASED TO SUBMIT SAMPLES AND PRICES.

SELLING AGENTS IN CANADA

For the GENUINE
Imperial French Green
of JOHN LUCAS & CO., PHILADELPHIA.

And CELEBRATED
ENGLISH VARNISHES
of CHAS. TURNER & SON, LONDON.

Please mention HARDWARE AND METAL when writing.

THE TIME TO INSURE IS

NOW

While you are WELL, STRONG and INSURABLE.

THE

Confederation Life

ASSOCIATION issues policies on all approved plans of Insurance, and is a prosperous and progressive Canadian Company.

PROTECTION FOR YOUR FAMILY.
PROFITABLE INVESTMENT FOR YOURSELF.

Pamphlets and full information sent on application.

W. H. Beatty, Esq., PRESIDENT.

W. D. Matthews, Esq., Frederick Wyld, Esq., VICE-PRESIDENTS.

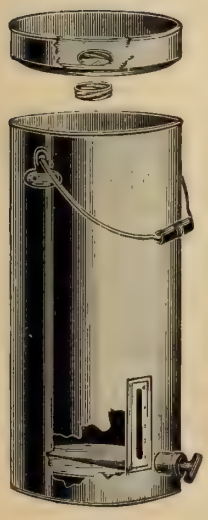
W. C. MACDONALD, ACTUARY.

J. K. MACDONALD, MANAGING DIRECTOR.

HEAD OFFICE, - TORONTO.

A Good Trade

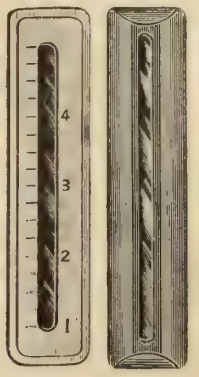
does not necessarily imply buying at a reduction. It means an exchange in which each is gainer.



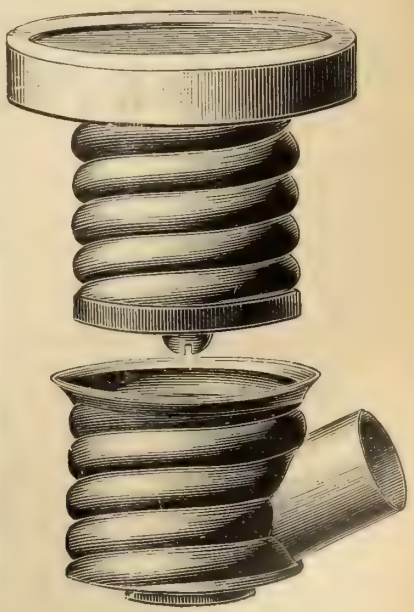
Practical Dealers Cannot Fail
to appreciate the good features of our

"SLIP COVER"
Creamer Trimmings

THEY make a quick Cover to ADJUST, permit the full submerging of the Can, are made to lock, Cover can be used as MILK STRAINER, and are same price as old style.



Front view. Back view.
Short, Tight, Easily Soldered.



Cheaper, Neater, Cleaner, Stronger than any other top made. Will not stick nor rust.

They teem with selling points and will largely increase your trade.

THE THOS. DAVIDSON MFG. CO., Limited

ESTABLISHED 1869. MONTREAL, CANADA. INCORPORATED 1895.

INDUSTRIAL GOSSIP.

Those having any items of news suitable for this column will confer a favor by forwarding them to this office addressed to the Editor.

ASBESTOS AND MICA COMPANY. The Columbia Asbestos and Mica Mining Co., Limited, has been incorporated. The incorporators are James Arthur Seybold, merchant, and Oscar Forest, merchant, Ottawa; Joseph Henry Simmons Cass, broker, Montreal; Edmund Smith Hopkins, counsellor-at-law, Providence, R.I., and Frank Bradford Mott, manufacturer, Providence, R.I., and the purposes of incorporation are for the purchasing, acquiring and operating of certain asbestos mines in Denholm township, Wright county, Quebec, together with the mills, plants and machinery connected therewith, and to develop these mines and prepare their products for market; also to acquire asbestos and mica mines all over the Dominion of Canada and operate them, and to build and operate steam and sailing vessels for the conveyance of their products from their mines and elsewhere. The total capital stock of the company is placed at $150,000, divided into 15,000 shares of $10 each.

RAILWAY SUPPLY ENTERPRISE. The Canadian Rolling Stock Co., an organization promoted by F. H. Clergue, has been incorporated with an authorized capital of $2,000,000. The charter empowers the company "to manufacture, construct, or acquire, purchase, lease, or any other method whatsoever, cars, locomotives and all kinds of railway supplies and rolling stock, and to sell, lease and otherwise dispose of the same."

The provisional directors are Theodore S. Leach and E. V. Douglas, Philadelphia; Francis H. Clergue, Bertram J. Clergue and Henry C. Hamilton, Sault Ste. Marie, Ont. The head office is at Toronto, but the works are at the "Soo," where they are already turning out cars.

AN ELECTRIC COMPANY TO BUILD. The Canadian General Electric Company will erect a building this summer on the old Upper Canada College property, at the corner of King and Simcoe Streets, Toronto. Of the 200 feet frontage on King street, 150 feet will be used for the building, which will extend back 185 feet 6 inches, the depth of the lot. The remaining 50 feet frontage will be laid out as a park with walks and flower beds. Fountains, vases, statuary, and other products of The Canadian General Electric Company and The Canada Foundry Company will be placed on these grounds. They will be provided with seats and thrown open to the public. The first storey of the building will be 25 feet high, and it will be used as a hall to exhibit the manufactures of these companies. The second floor and basement will be used as a warehouse and the third storey will be fitted up into offices, to be the finest in Canada it is claimed,

ENLARGING THEIR PLANT. The Ham & Nott Manufacturing Co., Limited, makers of refrigerators, etc., Brantford, Ont., will enlarge their plant shortly. They will build a workshop 80 x 80, a machine shop 40 x 50, and an addition to the engine-room. The last named will be fitted with machinery, the equal of that in use by the leading firms of the United States. The total cost of these additions will be about $9,000, and about 30 new hands will be employed when the factory is completed.

OPENING A HARDWARE BRANCH.

The Blonde Lumber and Manufacturing Co., of Chatham, Ont., is opening up in the hardware business in connection with its mill and lumber lines. The hardware department will be conducted under the management of Mr. A. J. Graber, who has had much experience in this line.

GOODS THAT GIVE RESULTS.

No brooms, brushes and woodenware upon the Canadian market are better or more favorably known than Boeckh's Toronto brooms and brushes, Bryan's London brushes, and Cane's Newmarket woodenware. They are the kind of goods it pays the dealer to handle. Progressive merchants realize that the true test of goods is their worth, not their selling price, and that the safest kind of an investment is in the goods manufactured by The United Factories, Limited. The United Factories know their business and are proud of it.

HEAVY SHIPMENTS OF METALS.

The Canada Hardware Co. are just in receipt of heavy shipments of Canada plate, terne plate, black sheets, barb wire, hoop iron, differential pulley blocks, cutlery, English tools, etc. See their advertisement on page 7 of this issue.

A SILVERWARE CATALOGUE.

This is the season of the year when there are many sales for this class of goods for sporting competitions. If interested write The Toronto Silver Plate Co., Limited, for their special catalogue, which they are now having printed, illustrating this class of goods, and which they are only too pleased to send a copy off to the trade on application.

PARIS GREEN!

We beg to advise the trade that the second shipment of Paris Green is now ready. Our customers will do well to let us have their additional specifications early to ensure a supply before the rush in June sets in.

Indications point to a very heavy demand, and the packages required should be stated at once. Note our Government standard Paris Green is put up as follows:

Arsenic Kegs (about 250 lbs.)
50-lb. Drums.
25-lb. "
1-lb. Packages.
½-lb. "
1-lb. Tins.
½-lb. "

THE CANADA PAINT COMPANY, LIMITED.

Persons addressing advertisers will kindly mention having seen their advertisement in The Canadian Hardware and Metal Merchant.

Canadian Wringer Co.

Manufacturers of the following

CLOTHES WRINGERS

Queen,	Eureka,
Royal Canadian,	New Eureka,
New Metropolitan,	Stone,
New Lightning,	Jubilee Ball Bearing

Etc., Etc.

All our Rolls are of Solid White Rubber and Vulcanized to Shaft. . . . Send for Catalogue and Discounts.

16 SHEPPARD STREET, TORONTO.

LABELS

Every Description
Shape and Colors

Stock Labels for Hardware trade

LEVY & CO., 19 Leader Le., TORONTO

PAINTS We manufacture these brands:—"LION," "PEERLESS," "OWL," "RAVEN," also Ready-mixed House and Floor Paints, Roof, Barn, Bridge and Brick Paints, Coach Colors, Varnishes, Japans, etc. Our prices will interest you. Write us.



The Ottawa Paint Works, Ottawa, Ont.

FRANK MILLER'S

HARNESS PREPARATIONS.

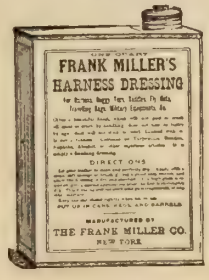
FRANK MILLER'S

HARNESS DRESSING

Recognized as

"THE STANDARD."

Produces a brilliant jet-black gloss which will not peel or smut and to which dirt will not stick.





Frank Miller's

Harness Soap

Unrivaled for cleaning and softening Harness

Put up in cakes, pans, boxes and tubs.

FRANK MILLER'S

Harness Oil.

Preserves and softens the leather, thus adding life.

The highest quality of oil on the market.



WESTERN ASSURANCE COMPANY

Incorporated 1851

Fire and Marine

Capital - -	$2,000,000.00
Assets, over -	2,900,000.00
Annual Income	3,000,000.00

Head Office: TORONTO, ONT.

Hon. Geo. A. Cox, President. J. J. Kenny, Vice-President.
C. C. Foster, Secretary.

"MIDLAND" BRAND Foundry Pig Iron.

Made from carefully selected Lake Superior Ores, with Connellsville Coke as fuel, "Midland" will rival in quality and grading the very best of the imported brands.

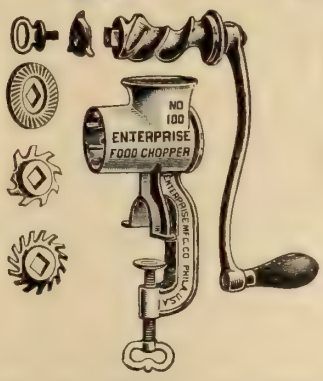
Write for Prices to Sales Agents

Drummond, McCall & Co.
or to **MONTREAL, QUE.**
Canada Iron Furnace Co.
MIDLAND, ONT. Limited

ENTERPRISE on an article is a Guarantee of QUALITY

ENTERPRISE

FOOD CHOPPERS



Four Knives with each Machine

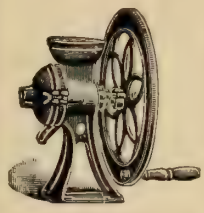
No. 100, *chops 2 lbs. per minute,* **$1.50**
No. 300, *chops 3 lbs. per minute,* **$2.25**

Sell every Day in Year

GUARANTEED TO CHOP RAW MEAT

Illustrated Catalogue FREE *Order through your Jobber*

Bone, Shell & Corn Mill



No. 750, $7.50

Meat Juice Extractor



No. 21, $2.50

Cherry Stoners

5 Sizes & Styles



No. 1, $7.50 doz.

Rapid Grinding & Pulverizing Mills

45 Sizes & Styles for Hand & Power, $1.25 to 300.00



No. 2½, $4.75

New York Branch, 10 Warren Street

The Enterprise Mfg. Co. of Pa., Philadelphia, Pa.

San Francisco Branch 105 Front Street

MANITOBA MARKETS.

WINNIPEG, May 5, 1902.

THE event of the week, so far as the hardware trade is concerned, is the advance of 10c. on cut nails, making the base price $3.10 per keg. The demand for building hardware is active. Paints, oils and glass are without change.

The price list for the week is as follows :

Barbed wire, 100 lb	$3 30
Plain twist	3 40
Staples	3 95
Oiled annealed wire No. 10	3 85
" 11	3 90
" 12	3 95
" 13	4 10
" 14	4 25
" 15	4 35
Galvanized wire, 6 to 8 gauge	4 00
" 9 "	3 50
" 10 "	4 05
" 11 "	4 20
" 12 "	3 65
" 13 "	3 75
" 14 "	4 45
" 15 "	4 60
" 16 "	4 75
Wire nails, 30 to 60 dy, keg	3 25
" 16 and 20	3 35
" 10	3 35
" 8	3 45
" 6	3 50
" 4	3 65
" 3	3 90
Coil chain, 3-16 inch	10½
" ¼ inch	8¾
" 5-16 inch	5½
" ⅜ inch	5¼
" 7-16 inch	5
" ½ to ¾ inch	4¾
Cut nails, 30 to 60 dy.	3 15
" 20 to 40	3 20
" 10 to 16	3 25
" 8	3 30
" 6	3 35
" 4	3 45
" 3	3 80
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to No 1	4 65
No. 2 and larger	4 40
Snow shoes, No. 0 to No. 1	4 90
No. 2 and larger	4 40
Steel, No. 0 to No. 1	4 95
No. 2 and larger	4 70
Bar iron, $2.70 basis.	
Swedish iron, $5.00 basis.	
Sleigh shoe steel	3 25
Spring steel	3 25
Machinery steel	3 75
Tool steel, Black Diamond, 100 lb	8 50
Jessop	13 00
Sheet iron, black, 10 to 20 gauge, 100 lb.	3 50
20 to 26 gauge	3 75
28 gauge	4 00
Galvanized American, 16 gauge	2 79
18 to 22 gauge	4 75
24 gauge	5 00
26 gauge	5 25
28 gauge	5 50
Genuine Russian, lb	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 75
26 gauge	8 00
28 gauge	8 50
Tinplate, IC charcoal, 20 x 28, box	11 00
" IX "	13 00
" IXX "	15 00
Ingot tin	33
Canada plate, 18 x 21 and 18 x 24	3 25
Sheet zinc, cask lots, 100 lb	7 00
Broken lots	7 50
Pig lead, 100 lb	6 00
Wrought pipe, black up to 2 inch	50 and 10 p.c.
" Over 2 inch	50 p.c.
Rope, sisal, 7-16 and larger	$13 50
" ⅜	14 00
" ¼ and 5-16	14 20
Manila, 7-16 and larger	17 00
" ⅜	17 55
" ¼ and 5-16	18 00
Solder	18
Cotton Rope, all sizes, lb	17
Axes, chopping	$ 7 50 to 12 00
" double bitts	12 00 to 18 00
Screws, flat head, iron, bright	87½
Round " "	82½
Flat " brass	80
Round " "	75
Coach	57½ p.c.
Bolts, carriage	50 p.c.
Machine	50 p.c.
Tire	60 p.c.
Sleigh shoe	65 p.c.
Plough	40 p.c.
Rivets, iron	50 p.c.
Copper, No. 8	26
" No. 12	30
Bluestone, cask lots	$5 50
Spades and shovels	40 p.c.
Harvest tools	60 p.c.
Axe handles, turned, s. g. hickory, doz.	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 75
No. 1	1 25
Files common	70, and 10 p.c.
Diamond	60
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	30 p.c.
" military	15 p.c.
American R.F.	30 p.c.
C.F. pistol	5 p.c.
C.F. military	10 p.c. advance.
Loaded shells :	
Eley's soft, 12 gauge black	16 50
chilled, 12 gauge	18 00
soft, 10 gauge	21 00
chilled, 10 gauge	23 00
Shot, Ordinary, per 100 lb	6 25
Chilled	6 75
Powder, F.F., keg	4 75
F.F.G.	5 00
Tinware, pressed, retinned	75 and 2½ p.c.
" " plain	70 and 15 p.c.
Graniteware, according to quality	50 p.c.

PETROLEUM.

Water white American	25½ c.
Prime white American	24c.
Water white Canadian	22c.
Prime white Canadian	21c.

BINDER TWINE.

Sisal and Standard f.o.b. Winnipeg	$ 11⅝
Manila, 550 feet	12⅞
Manila, 600 feet	14⅛
Pure Manila	15⅝

Five-ton lots ⅛c. less per lb., and car-lots ¼c. less.

SCRAP.

No. 1 cast iron	$13 to $14 per ton
No. 2 "	5 to 6 "
Wrought iron scrap	5 "
Copper (heavy)	7c. per lb.
Yellow brass (heavy)	8c. "
Light brass	5c. to 6c. "
Lead pipe, or tea lead	2c. to 2½c. "
Zinc scrap	1c. "

PAINTS, OILS AND GLASS.

Turpentine, pure, in barrels	$ 80
Less than barrel lots	85
Linseed oil, raw	85
Boiled	88
Lubricating oils, Eldorado castor	29
Eldorado engine	28½
Atlantic red	29½
Renown engine	41½
Black oil	20
Cylinder oil (according to grade)	55 to 74
Harness oil	65
Neatsfoot oil	90
Steam refined oil	85
Sperm oil	2 00
Pure castor oil, East India	11
Lubricating	10
Glass, single glass, first break, 16 to 25 united inches	2 50
26 to 40 per 50 ft.	2 75
41 to 50 " 100 ft.	6 00
51 to 60 " " "	6 50
61 to 70 per 100-ft. boxes	7 00
Putty, in bladders, barrel lots per lb.	2½
kegs "	2¾
White lead, pure per cwt.	6 50
No. 1 "	6 00

Prepared paints, pure liquid colors, according to shade and color, per gal. $1.30 to $1.90

NOTES.

Craig Bros. have just opened a new hardware and furnishing business at Franklin. They have erected large premises of their own for the new business.

The Western Implement Manufacturing Co. is the latest addition to manufacturing interests in the West. The capital is $60,000, and business will be commenced almost immediately. The first directors and officers are: Robert Muir, E. L. Drewry, F. Atchison, Ald. Barclay, James McDiarmid and W. A. Black. F. J. C. Cox is the secretary.

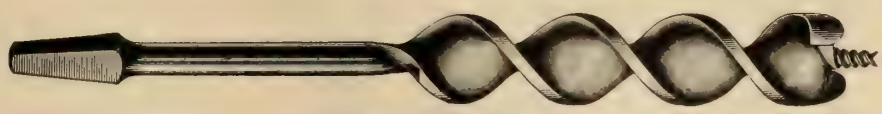
American Sheet Steel Company
Battery Park Building
New York
Manufacturers of all varieties of
Iron and Steel Sheets
Black and Galvanized
Plain and Painted
Flat, Corrugated and
"V" Crimped

Apollo Best Bloom Galvanized Sheets
W. Dewees Wood Company's
Planished Iron
W. Dewees Wood Company's
Refined Iron
Wellsville Polished Steel Sheets

Representatives for Canada
B. & S. H. Thompson & Company
58 St. Sulpice Street
Montreal

SOMETHING NEW

Caldwell Lightning Auger Bits.



Patented May 21, 1901.

This bit will bore two holes in less time than it takes to bore one with any other bit.

AGENTS:

Caverhill, Learmont & Co., - - - Montreal.
Wood, Vallance & Co., - - - - Hamilton.
Geo. D. Wood & Co., - - - - Winnipeg.

CURRENT MARKET QUOTATIONS

May 9, 1902.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag and Straits—56 and 28 lb. ingots, 100 lb.	30 00 31 00

Tinplates.

Charcoal Plates—Bright

	Per box
M.L.S. equal to Bradley	
I.C., usual sizes	$6 75
I.X., "	8 25
I.X.X., "	9 75
Famous, equal to Bradley—	
I.C.	6 75
I.X	8 25
I.X.X	9 75
Raven & Vulture Grades—	
I.C., usual sizes	5 00
I.X., "	6 00
I.X.X "	7 00
I.XXX., "	8 00
D.C., 12½x17	4 50
D.X	5 25
D.X.X	6 00

Coke Plates—Bright

Bessemer Steel—	
I.C., usual sizes	4 25
I.C., special sizes, base	4 75
20 x 28	9 00

Charcoal Plates—Terne

Dean or J. G. Grade—	
I.C., 20x28, 112 sheets	8 50
I.X., Terne Tin	10 50

Charcoal Tin Boiler Plates

	Per lb.
Cookley Grade—	
X X., 14x56, 5 shee bxs " 14x60, " " 14x65, "	0 06½

Tinned Sheets

72x30 up to 24 gauge	0 07½
" 26 "	0 08

Iron and Steel.

Common Bar, per 100 lbs	1 95 2 05
Refined " "	2 45
Horse Shoe Iron "	2 40
Hoop steel, 1½ to 3 in. base,	2 90
Sleigh Shoe Steel " base	2 10
Tire Steel	2 30 2 50
Reeled Machinery	3 00
Toe Calk Steel	2 85 3 00
T. Firth & Co's tool steel, per lb	0 12½ 0 13
Jessop's tool Steel	0 14
Morton's tool steel	0 12½ 0 13
Black Diamond and "B.C." tool steel	0 10 0 11
Chas. Leonard's tool steel	0 08 0 09
Park's "silver" tool steel	0 12 0 14
" "special"	0 15 0 21
Drill Steel, per lb	0 08 0 10

Boiler Tubes.

	Per foot.
1½, 1¾, and 4 inch	0 1[illegible]
2½ in.	0 17½
3 "	0 14

Steel Boiler Plate.

¼ inch	2 50 2 60
5-16 inch	2 60 2 70
⅜ inch and thicker	2 50 2 60

Black Sheets.

	Com.	D.Fl.
18 gauge	2 85	3 00
20 gauge	2 85	3 00
22 to 24 "	2 95	3 25
26 "	3 05	3 50
28 "	3 15	

Copper Ware.

Discount, 50 per cent.

Canada Plates.

All dull, 52 sheets	3 00
Half polished	3 10
All bright	3 75

Black pipe— Iron Pipe.

	Per 100 Feet.
⅛ inch	2 90
¼ "	2 40
⅜ "	2 65
½ "	2 85
¾ "	3 65
1 "	5 20
1¼ "	7 35
1½ "	8 95
2 "	12 55
2½ "	24 00
3 "	28 00
3½ "	36 00
4 "	43 00
4½ "	50 00
5 "	57 00
6 "	73 00

Galvanized pipe—

¼ inch	3 20
⅜ "	3 45
½ "	3 85
¾ "	5 00
1 "	7 20
1¼ "	10 05
1½ "	12 10
2 "	16 85

Discount 4 per cent.

Malleable Fittings—Discount 40 p.c.

Cast Iron Fittings—

Plugs, brushings, unions, and nipples, discount 65 p.c.

All others—discount 60 p.c.

Galvanized Sheets.

	G C.	Comet.	Amer.	Queen's Head.
16 gauge				
18 to 24 gauge	4 05	3 75		4 05
26 "	4 25	4 00		4 25
28 "	4 50	4 25	*4 40	4 50

Less than case lots 10 to 15c. extra.

*29 gauge.

Chain.

Proof Coil, 3-16 in., per 100 lb	
" ¼ " "	7 85 8 10
" 5-16 " "	5 25 5 5[illegible]
" ⅜ " "	4 10 4 75
" 7-16 " "	4 25 4 50
" ½ " "	4 20 4 50
" 9-16 " "	4 05 4 50
" ⅝ " "	4 00 4 50
" ¾ " "	4 00 4 50

Halter kennel and post chains, 40 to 40 and 5 p.c.

Cow ties 40 p.c.

Tie-out chains 65 p.c.

Stall fixtures 35 p.c.

Trace chain 45 p.c.

Jack chain, iron, single and double discount 35 p.c.

Jack chain, brass single and double, discount 40 p.c

Copper.

	Ingot	Per 100 lb.
English B S., ton lots		15 00
Lake Superior		

Bars.

Cut lengths round, ½ to ⅞ in.	23 00 25 00
" round and square 1 to 2 inches	23 00 25 00

Sheet.

Plain, 14 oz., and light, 16 oz., 14x48 and 14x60	22 00 22 50
Plain, 14 oz., and light, 16 oz., irregular sizes	22 50 23 00
Tinned copper sheets	24 00
Planished	32 00

Braziers (In sheets.)

4x6 ft. 25 to 30 lbs. ea., per lb.	0 23
" 35 to 45 " "	0 22
" 50-lb. and above, "	0 21

Boiler and T. K. Pitts

Plain Tinned, per lb	0 28
Spun, per lb	0 32

Brass.

Rod and Sheet, 14 to 30 gauge,	15 per cent.
Sheets, hard-rolled, 2x4	0 23
Tubing, base, per lb	0 23½

Zinc Spelter.

Foreign, per lb	5 50 6 00
Domestic "	

Zinc Sheet.

5-cwt. casks	6 00 6 25
Part casks	6 25 6 50

Lead.

Imported Pig, per 100 lb	3 50 3 75
Bar, b	0 05
Sheets, 2½ lbs. sq. ft., by	0 06¼
Sheets, 3 to 6 lbs., "	0 06

NOTE.—Cut sheets ½ cent per lb. extra.

Pipe, by the roll, usual weights per yard, listed at 7c. per lb. and 37½ p.c. dis. f.o.b. Toronto.

NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths lists at 7½ cents.

Shot.

Common, $6.50 per 100 lb.; chilled, $7.00 per 100 lb.; buck, seal and ball, $7.50. Discount, 22½ p.c. Prices are f.o.b. Toronto, Hamilton, Montreal, St. John and Halifax. Terms 3 per cent. cash, freights equalized.

Soil Pipe and Fittings.

Discount, 60 p.c. on medium and extra heavy, and 55 p.c. on light soil pipe; 60 p.c. discount on light soil pipe fittings, and 60 and 10 p.c. on medium and extra heavy.

Solder.

	Per lb.	Per lb.
Bar half-and-half, guarant'd		0 19
Bar half-and-half, commer'l		0 18½
Refined		0 18
Wiping		0 17½

Antimony.

Cookson's, per lb	0 10

White Lead.

	Per 100 lb.
Pure	5 87½
No. 1	5 50
No. 2	5 12½
No. 3	4 75
No. 4	4 37½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B B. Genuine	7 00
" " No. 1	6 00

Red Lead.

Genuine, 560 lb. casks, per cwt.	$4 75
Genuine, 100 lb. kegs, per cwt.	5 00
No. 1 560 lb. casks, per cwt.	4 25
No 1, lb kegs, per cwt	4 50

White Zinc.

Extra Red Seal	0 06 0 08
No. 1	0 06½ 0 07
No. 2	0 05 0 06

Dry White Lead.

Pure, casks	5 25
Pure, kegs	5 50
No. 1, casks	5 00
No. 1, kegs	5 25

Prepared Paints

In ¼, ½ and 1 gallon tins.

Pure, per gallon	1 25
Second qualities, per gallon	1 10
Barn (in bbls.)	0 60 0 90
The Sherwin-William Paints	1 40
Canada Paint Co's Pure	1 25
Toronto Lead & Color Co's Pure	1 25
Sanderson Pearcy's Pure	1 20
Stewart & Wood's Champion Pure	1 20

Colors in Oil.

25 lb. tins, Standard Quality.

Venetian Red, per lb	0 04½ 0 06
Chrome Yellow	0 12 0 14
Golden Ochre	0 08 0 10
French "	0 06
Marine Black	0 09
Chrome Green	0 10
French Imperial Green	0 12
Sign Writers' Black	0 16
Burnt Umber	0 11
" Sienna	0 11
Raw Umber	0 11
" Sienna	0 11

Colors, Dry.

Common Ochre bbls	1 20 1 30
Yellow Ochre J.F.L.S., bbls	2 00
Yellow Ochre (La Belle)	1 15 1 25
Brussels Ochre	2 00
Venetian Red (best), bbl	1 75 2 00
English Oxides, per cwt	3 00 3 25
American Oxides, bbls	1 25 2 00
Canadian Oxides, bbls	1 25 1 75
Super Magnetic Oxides, 93p.c.	2 00 2 25
Burnt Sienna, pure, per lb	0 10
" Umber, " "	0 10
Raw do	0 09
Drop Black, pure	0 09
Chrome Yellows, pure	0 18
Chrome Greens, pure, per lb.	0 09 0 10
Golden Ochre	0 04 0 05
Ultramarine Blue in 28-lb. boxes, per lb	0 06 0 18
Fire Proof Mineral, per 100 lb	1 00
Genuine Eng. Litharge, per lb	0 07
Mortar Color, per 100 lb	1 25 1 50
Pure Indian Red, No. 45 lb.	0 08 0 10
Whiting, bbl	0 55 0 60
English Vermillion in 50-lb. bags.	0 95

Paris Green.

	per lb.
Petroleum Casks	
Arsenic Kegs	
50-lb. and 100-lb. drums	
25-lb. drums	
1-lb packages	
½-lb. do	
1-lb. tins	
½-lb do	

F. O. B. Toronto. Terms—3 p. c. off 30 days, or 4 mos. from date of delivery.

Blue Stone.

Casks, for spraying, per lb	0 07
100-lb. lots, do. per lb	0 08

Putty.

Bulk in bbls.,	1 90
Bulk in less quantity	2 05
Bladders in bbls	2 25
Bladders in kegs, boxes or loose	2 40
Bladders in 25-lb. tins	2 35
Bladders in 12½-lb. tins	2 65
Bladders in bulk or tins less than 100 lb	2 90

Varnishes.

	In 5-gal. lots.	Per Gal. net.
Carriage, No. 1	1 50	1 60
Pale Durable body	4 10	4 25
" rubbing	2 85	3 20
Gold Size, Japan	2 85	3 00
No 1 Brown Japan	0 85	0 90
Elastic Oak		1 50
Furniture, extra		1 35
" No. 1		1 10
Hard Oil Finish	1 65	1 75
Light Oil Finish	1 40	1 60
Demar	1 70	1 85
Shellac, white	2 3[illegible]	2 45
" orange	2 25	2 35
Turpentine Brown Japan	1 15	1 0
" Black Japan	0 85	1 20
" No. 1	0 50	0 75

Elastilite Varnish 1 gal. can, each, $2 00.

Granitine Floor Finish per gal., $2.75.

Maple Leaf Coach Enamels; Size 1, $1 20 Size 2, 70c; Size 3, 40c. each

Sherwin-Williams' Copal Varnish, assorted case, from ½ pts. to 1 gal., $2.50.

Castor Oil.

East India, in cases, per lb	0 09½ 0 10
" " small lots	0 10 0 10½

Cod Oil, Etc.

Cod Oil per gal	0 50 0 55
Pure Olive	1 20
" Neatsfoot	90

Glue.

Common	0 08½ 0 09
French Medal	0 14 0 14½
Cabinet sheet	0 12 0 13
White, extra	0 18 0 20
Gelatine	0 22 0 30
Strip	0 18 0 20
Coopers	0 19 0 20
Huttner	0 18

THOS. GOLDSWORTHY & SONS

MANCHESTER, ENGLAND.

EMERY { Cloth / Corn / Flour

We carry all numbers of Corn and Flour Emery in 10-pound packages, from 8 to 140, in stock. Emery Cloth, Nos. OO., O., F., FF., 1 to 3.

JAMES HUTTON & CO., Wholesale Agents for Canada, **Montreal.**

HARDWARE.

Ammunition.

Cartridges.

B. B Caps Dom. 50 and 5 per cent.
Rim Fire Pistol, dis 40 p. c., Amer
Rim Fire Cartridges, Dom., 5 (and 5 p. c
Central Fire Pistol and Rifle 10 p.c. Amer.
Central Fire Cartridges, pistol sizes Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 per cent.
Central Fire, Military and Sporting, Amer. add 5 p.c. to list. B.B. Caps, discount 40 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 10 p.c. advance on list.
Brass Shot Shells, 55 per cent.
Primers, Dom., 30 per cent.; American, $1.60.

Wads	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb. bags	70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 5
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	

Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 20 per cent.

Anvils.

Wright's, 80-lb. and over	0 10¾
Hay Budden, 80-lb. and over	0 09¼
Brook's, " " "	0 11¼

Augers.

Gilmour's discount 65 and 5 p.c. off list.

Axes.

Chopping Axes		
Single bit, per doz	5 50	10 00
Double bit, "	11 00	18 00
Bench Axes, 40 p.c.		
Broad Axes, 25 per cent.		
Hunters' Axes	5 50	6 00
Boys' Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Axle Grease.

Ordinary, per gross	5 75	6 00
Best quality	13 00	15 00

Bath Tubs.

Zinc	6 00
Copper, discount 15 p.c. off revised list	

Baths.

Standard Enameled.

5½-inch rolled rim, 1st quality	24 00
" " " 2nd "	20 00

Anti-Friction Metal.

"Tandem" A per lb.	0 27
" B "	0 21
" C "	0 11½
Magnolia Anti-Friction Metal, per lb	0 25
Frictionless metal, per lb	0 23

SYRACUSE SMELTING WORKS.

Aluminum, genuine	0 41
Dynamo	0 27
Special	0 22
Aluminum, 99 p.c. pure "Syracuse"	0 45

Bells.

Hand

Brass, 60 per cent.
Nickel, 55 per cent.

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Door.

Gongs, Sargant's	5 50	8 00
" Peterboro', discount 45 per cent		

Farm.

American, each	1 25	3 00

House.

American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00
Blacksmiths', discount 40 per cent.		

Belting.

Extra, 60 per cent.
Standard, 60 and 10 per cent.
No. 1, not wider than 6 in., 60 10 and 10 p.c.
Agricultural, not wider than 4 in., 75 p.c.

Bits.

Auger.

Gilmour's, discount 60 and 5 per cent.
Rockford, 50 and 10 per cent.
Jennings' Gen. net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind and Bed Staples.

All sizes, per lb	0 07¾	0 12

Bolts and Nuts.

	Per cent.
Carriage Bolts, common ($1 list)	55
" " full square ($2.40 list)	55
" " Norway iron ($3 list)	50
Machine Bolts, all sizes	50 and 5
Plough Bolts	50 and 5
Blank Bolts	50 and 5
Bolt Ends	50 and 5
Sleigh Shoe Bolts	65 and 5
Coach Screws, cone point	66⅔
Nuts, square, all sizes, 3½c per lb off.	
Nuts, hexagon, all sizes, 3¾c. per lb. off.	
Stove rods, per lb	5½ to 6c.
Nuts, in 50 lb. lots ¼c. per lb extra, in less than 50 lb. lots, ½c. extra.	

Boot Calks.

Small and medium, ball, per M	4 25	
Small heel, per M	4 50	

Bright Wire Goods.

Discount 62½ per cent

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dls., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent

Henis, No. 8		6 00
Henis, No. 9,		7 00
Queen City	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Butcher Knives.

Bailey's, per doz	0 60	6 30

Building Paper, Etc.

Tarred felt, per 100 lb	1
Ready roofing, 2-ply, not under 45 lb. per roll	85
Ready roofing, 3-ply, not under 65 lb. per roll	1 10
Carpet felt, per ton	45 00
Dry sheathing, per roll, 400 sq. ft	30
Tar sheathing, " " "	40
Dry fibre " " "	50
Tarred fibre, " " "	60
O.K. & I.X.L., " " "	65
Resin-sized, " " "	40
Oiled sheathing, " 600 "	1 10
" " " 400 "	70
Roof coating, in barrels, per gal	17
" " small packages	25
Refined tar, per barrel	4 50
Coal tar, "	4 00
Coal tar, less than barrels, per gal	15
Roofing pitch, per 100 lb	85

Bull Rings.

Copper, $2.00 for 2½ in. and $1.90 for 2 in.

Butts.

Wrought Brass net revised list.

Cast Iron.

Loose Pin, dis., 60 per cent.

Wrought Steel

Fast Joint, dis. 65, 10 and 2½ per cent.
Loose Pin, dis. 65, 10 and 2½ per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.

Gen. Bronzed, per pair	0 40	0 65

Carpet Stretchers.

American, per doz	1 00	1 50
ullard's, per doz	6 50	

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	8 50	9 50

Cement.

Canadian Portland	1 90	2 75
English "	3 00	3 15
Belgian "	2 50	2 75
Canadian hydraulic	1 25	1 50

Chalk.

Carpenters Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 70 per cent.
Warnock's, dis. 70 per cent.
P. S. & W. Extra 60, 10 and 5 p.c.

Churns.

Revolving Churns, metal frames—No. 0, $8—No. 1, $8.50—No. 2, $9.00—No. 3, $10.00—No. 4, $12.00—No. 5, $16.00 each. Ditto, wood frames—20c. each less than above. Discounts: Delivered from factories, 56 p.c.; from stock in Montreal, 54 p.c. Terms, 4 months or 3 p.c. cash in 30 days

Clips.

Axle dis. 65 per cent.

Closets.

	Net.
Plain York or Ontario Syphon Jet	$9 60
Emb. York or Ontario Syphon Jet	10 20
Fittings	1 00
Plain Elgin or Teu. Syphon Washout	6 00
Emb. Elgin or Teu. Syphon Washout	6 60
Fittings	1 25
Low Down Elgin or Teutonic, plain	9 60
" " " emb.	10 20
Plain Richelieu	4 00
Emb. Richelieu	4 25
Connections	1 25
Low Down Ont. Sy. Jet, plain	11 70
" " " " " emb'd.	12 30
Closet connection	1 25
Basins P.O., 14 in	0 70
" oval 17 x 14 in	1 50
" " 19 x 15 in	2 25

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Conductor Pipe.

Plain or Corrugated.

2-inch, per 100 feet	3 00
3 " " "	4 00
4 " " "	5 25
5 " " "	6 75
6 " " "	9 00

Cradles, Grain.

Canadian, dis. 25 to 33⅓ per cent.

Crosscut Saw Handles.

S. & D., No. 3, per pair	17½
" " 5, "	22½
" 6, "	15
Boynto pattern "	20

Door Springs.

Torrey's Rod, per doz	(15 p.c.	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Coach and Wagon, dis. 50 and 10 per cent.
Carpenters, dis. 70 per cent.

Drills.

Hand and Breast

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis., 37½ to 40 per cent.
Standard dis. 50 and 5 to 55 per cent.

Faucets.

Common, cork-lined, dis. 35 per cent.

EAVE TROUGH.

10-inch, per 100 ft	$3 10

ELBOWS. (Stovepipe.)

	per doz.
5 and 6-inch, common	1 20
7-inch	1 35
Polished, 15c. per doz. extra.	

ESCUTCHEONS.

Discount, 40 per cent.

ESCUTCHEON PINS.

Iron, discount 40 per cent.

FACTORY MILK CANS.

Discount off revised list, 40 per cent.

FILES AND RASPS.

Great Western	70 and 10 per cent.
Arcade	70 " 10 "
Kearney & Foot	70 " 10 "
Disston's	70 " 10 "
American	70 " 10 "
J. Barton Smith	70 " 10 "
McClellan	70 " 10 "
Eagle	70 " 10 "
Nicholson, 60 and 10 to 60, 10 and 5	"
Royal	80 "
Globe	70 to 75 "

Black Diamond, 60 and 10 to 60, 10 and 5 p.c.
Jowitt's, English list, 25 to 27½ per cent.
Nicholson File Co.'s "Simplicity" file handle per gross, 85c. to $1.50.

GLASS—Window—Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	D. Diamond Per 50 ft.	D. Diamond Per 100 ft.
Under 26	2 20	4 25	....	6 25
26 to 40	2 40	4 65	....	6 75
41 to 50	....	5 10	....	7 50
51 to 60	....	5 35	....	8 50
61 to 70	....	5 75	....	9 75
71 to 80	....	6 25	....	11 00
81 to 85	....	7 00	....	12 55
86 to 90	....	7 75	..	15 00
91 to 95	..	....	...	17 50
96 to 100	..	....	....	20 50

GAUGES

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's Nos. 26 to 33, each	1 65	2 40

HALTERS.

Rope, ⅜ per gross	....	....
" ½ "	....	9 00
" ⅝ to ¾	....	14 00
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

Maydole's, dis. 5 to 10 per cent	Can.	dis.
25 to 27½ per cent.		

Tack.

Magnetic per doz	1 10	1 20

Sledge.

Canadian per lb	0 07½	0 08⅓

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz. net	1 50	2 00
Store door, per doz	1 00	1 50

Fork.

C. & B., dis. 40 per cent. rev. list.

Hoe.

C. & B., dis. 40 per cent. rev. ist.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 75

Hammer and Hatchet.

Canadian, 40 per cent.

Cross-Cut Saws.

Canadian, per pair	0 13¾

HANGERS.

	doz. pairs.	
Steel barn door	5 85	6 00
Stearns, 4 inch	....	5 00
" 5 inch	....	6 50
Lane's covered—		
No. 11, 5-ft. run	....	8 40
No. 11½, 10-ft. run	....	10 80
No. 12, 10-ft. run	....	12 60
No. 14, 15-ft. run	....	21 00
Lane's O.N.T. track, per foot	....	4½

HARVEST TOOLS

Discount, 60 per cent.

HATCHETS

Canadian, dis. 40 to 42½ per cent.

SANITARY BUILDING PAPERS.

Any Building Paper that will turn musty after being exposed to dampness is unsanitary and dangerous to health.

A first-class Building Paper should be Water-proof, Vermin-proof, Air-tight and Durable. Our Tarred Fibre and O. K. Building Papers meet all the above requirements.

Don't be afraid to use Tarred Building Paper as it is healthy and the odor soon passes away. If you will use an Untarred Building Paper, however, try our Dry and Resin Sized Fibre which won't turn musty under any circumstances.

THE PATERSON MFG. CO., Limited, TORONTO and MONTREAL.

HINGES.

Blind, Parker's, dis. 50 and 10 to 60 per cent.
Heavy T and strap, 4-in., per lb.... 0 06½
" " 5-in., " 0 06¼
" " 6-in., " 0 06
" " 8-in., " 0 05¾
" " 10-in., " 0 05½
Light T and strap, dis. 65 and 5 per cent.
Screw hook and hinge—
6 to 10 in., per 100 lbs.... .... 4 50
12 in. up, per 100 lbs..... ... 3 25
Per gro. pairs
Spring..... .... 12 00

HOES.

Garden, Mortar, etc., dis. 60 p.c.
Planter, per doz..... 4 00 4 50

HOLLOW WARE

Discount,..... 45 and 5 per cent.

HOOKS.

Cast Iron.

Bird Cage, per doz.....	0 50	1 10
Clothes Line, per doz.....	0 27	0 63
Harness, per doz.....	0 72	0 88
Hat and Coat, per gross.....	1 00	3 00
Chandelier, per doz.....	0 50	1 00

Wrought Iron.
Wrought Hooks and Staples, Can. dis. 47½ per cent.
Wire.
Hat and Coat, discount 45 per cent.
Belt, per 1,000 ..... 0 60
Screw, bright, dis. 55 per cent.

HORSE NAILS.

"C" brand 50 and 7½ p.c. off new list } Oval-head
"M" brand 50, 10 and 5 per cent. }
Countersunk, 60 per cent.

HORSESHOES.

Iron Shoes.	F.O.B. Montreal No. 2 and larger.	No. 1. and smaller.
Light, medium and heavy...	3 50	3 75
Snow shoes.....	3 75	4 00
Steel Shoes.		
Light.....	3 60	3 85
Featherweight (all sizes)....	4 85	4 85

F.O.B. Toronto, Hamilton, London and Guelph, 10c. per keg additional.
Toe weight steel shoes..... 6 70

JAPANNED WARE.

Discount, 45 and 5 p c. off list, June 1899.

ICE PICKS.

Star per doz..... 3 00 3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.
Copper, per lb..... 0 30 0 50
American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 45 p.c.
Cabinet, trunk, and padlock, Am. per gross 60

KNOBS.

Door, japanned and N.P., per doz.....	1 50	2 00
Bronze, Berlin, per doz.....	2 75	3 25
Bronze Genuine, per doz....	6 00	9 00
Shutter, porcelain, F. & L screw, per gross	1 30	4 00
White door knobs—per doz.	95	1 00

HAY KNIVES.

Discount, 60 per cent.

LAMP WICKS.

Discount, 60 per cent.

LANTERNS.

Cold Blast, per doz.....	7 00
No. 3 "Wright's".....	8 50
Ordinary, with O burner.....	4 00
Dashboard, cold blast.....	9 00
No. 0.....	5 75

Japanning, 50c. per doz. extra

LEMON SQUEEZERS.

Porcelain lined, ...per doz.	2 20	5 60
Galvanized.....	1 87	3 85
King, wood.....	2 75	2 90
King, glass.....	4 00	4 50
All glass.....	1 20	1 30

LINES.

Fish per gross.....	1 05	2 50
Chalk "	1 90	7 40

LOCKS.

Canadian, dis 40 p.c.
Russel & Erwin, per doz.... 3 00 3 25
Cabinet.
Eagle, dis. 30 p.c.

Padlocks.

English and Am. per doz....	50	6 00
Scandinavian, "	1 00	2 40

Eagle, dis. 20 to 25 p.c.

MACHINE SCREWS. Iron and Brass.

Flat head discount 25 p.c.
Round Head discount 20 p.c.

MALLETS.

Tinsmiths' per doz.....	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz..	3 85	5 00
Caulking each.....	60	2 00

MATTOCKS.

Canadian, per doz..... 5 50 6 50

MEAT CUTTERS.

American, dis. 25 to 30 p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are :	Cut.	Wire.
2 d and 3d	$3 45	$3 55
3 d	3 10	3 22
4 and 5d..... ..	2 85	3 05
6 and 7d.....	2 75	2 90
8 and 9d.....	2 60	2 70
10 and 12d.....	2 55	2 65
16 and 20d..	2 50	2 60
30, 40, 50 and 60d. (base).....	2 45	2 55

Wire nails in carlots are $2.50
Galvanizing 2c. per lb. net extra.
Steel Cut Nails 10c. extra.
Miscellaneous wire nails, dis. 75 p.c.
Coopers' nails, dis. 30 per cent.
Flour barrel nails, dis. 25 per cent

NAIL PULLERS.

German and American.....	1 85	3 50

NAIL SETS.

S uare round, and octagon per gross.....	3 38	4
Diamond.....	12 00	15 00

POULTRY NETTING.

2-in. Mesh, 19 w.g., dis. 50 and 5 to 50 and 10 p.c.
2-in. Mesh, 18 w.g. and heavier, 50 p.c.

OAKUM. Per 100 lb

Navy	6 00
U.S. Navy.....	7 25

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal. per doz..... .... 10 00
Zinc and tin, dis. 50, 50 and 10.

Copper, per doz.....	1 25	3 50
Brass, "	1 50	3 50

Malleable, dis. 25 per cent.

GALVANIZED PAILS.

Dufferin pattern pails, dis. 45 p.c.
Flaring pattern, discount 45 per cent.
Galvanized washtubs discount 45 per cent.

PIECED WARE.

Discount 40 per cent. off list, June, 1899.
10-qt. flaring sap buckets, dis. 40 p.c.
6, 10 and 14-qt. flaring pails, dis. 40 p.c.
Creamer cans, dis. 40 p.c.

PICKS.

Per doz..... 6 00 9 00

PICTURE NAILS.

Porcelain head, per gross...	1 75	3 00
Brass head "	0 40	1 00

PICTURE WIRE.

Tin and gilt, discount 75 p c.

PINE TAR.

½ pint in tins, per gross.	7 80
1 " "	9 60

PLANES.

Wood, bench, Canadian dis. 40 per cent. American dis. 50.
Wood, fancy Canadian or American 7½ to 40 per cent.

PLANE IRONS.

English, per doz..... 2 00 5 00

PLIERS AND NIPPERS.

Button's Genuine per doz pairs, dis. 37½ 40 p.c.
Button's Imitation, per doz.. 5 00 9 00
German, per doz..... 0 60 2 60

PLUMBERS' BRASS GOODS.

Standard Compression work, dis. 60 p.c.
"J.M.T." Cushion work, dis. 50 p.c.
Fuller work, dis. 65 p.c.
6 doz. lots and over of the above, extra dis. 10 p c.
Lever Handle Stops and Waste, discount 60 p c. With, in lots of 2 doz. and over, an extra dis. of 10 p.c.
"J.M.T." Globe, Angle and Check Valves, dis 55 p.c.
Standard Globe, Angle and Check Valves, dis. 65 p.c.
"J.M.T." Radiator Valves, dis. 55 p c.
Standard " " dis., 65 p.c.
Patent Quick Opening Valves, dis. 70 p.c.

No. 1 compression bath cock, net ..	2 00
No. 4 " " "	2 00
No. 7, Fuller's	2 20
No. 4½, "	2 35

Patent Compression Cushion, basin cock, hot and cold, per doz 15 00
Patent Compression Cushion, bath cock No. 2208 ..... 2 25
Square head brass cocks, 60 p.c.
" " iron " 60 p c.
Competition Globe, Angle and Check Valves discount, 70 p. c
Competition Quick Opening Radiator Valves, discount, 70 p.c.

PRESSED SPIKES.

Discount 22½ per cent.

PULLEYS.

Hothouse, per doz.....	0 55	1 00
Axle.....	0 22	0 33
Screw.....	0 27	1 00
Awning.....	0 35	2 50

PUMPS.

Canadian cistern.....	1 80	3 60
Canadian pitcher spout.....	1 40	2 10

PUNCHES.

Saddlers', per doz.....	1 00	1
Conductors's '	9 00	15 00
Tinners', solid per set.....	0 00	0 72
" hollow p r inch	0 00	1 00

RANGE BOILERS. Net.

Dominion, 30 gal.	5 75
Dominion, 35 "	6 75
" 40 "	7 75
Ronald's Galvanized, 30 gallons	6 50
" " 35 "	7 50
" " 40 "	8 50
Copper, 30 gallons.....	20 00
" 35 "	23 20
" 40 "	26 40

RAKES.

Wood, per doz. net 110

RAZORS.

	per doz.	
Elliot's	4 00	18 00
Geo. Butler & Co.'s.....	4 00	18 00
Boker's.....	7 50	11 00
" King Cutter.....	12 50	50 00
Wade & Butcher's	3 60	10 00
Theile & Quack's.....	7 00	12 00
Bailey's	6 00	12 00
Carbo Magnetic Razor		15 00
Griffon Barbers' Favorite		10 75
Griffon No. 65.....		13 0
Griffon Safety Razors.....		1 50
" Stropping Machines.		13 50

All other razors 50 p.c. off catalogue price.

REGISTERS.

Discount ..... 40 per cent

RIVETS AND BURRS.

Iron Rivets, black and tinned, discount 60 and 10 per cent.
Iron Burrs, discount 55 per cent.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets with usual proportion burrs, 45 and 10 dis., cartons, 1c. per lb. extra, net.
Copper Burrs only, 30 and 0 p.c.
Extras on Tinned or Coppered Rivets, ½-lb. cartons, 1c. per lb.

RIVET SETS.

Canadiar, dis. 35 to 37½ per cent.

ROPE, ETC.

Sisal.....	13
Pure Manilla.....	16
"British" Manilla.....	14½
Cotton, 3-16 inch and larger.....	16
" 5-32 inch.....	21
" ⅛ inch	22
Russia Deep Sea.....	15
Jute.....	5
Lath Yarn.....	12
Sisal bed cord, 48 ft..... per doz.	65
" " 60 ft..... "	80
" " 72 ft..... "	95

RULES.

Boxwood, dis. 55 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS. per set.

Mrs. Potts, No. 55, polished.	70
" No. 50, nickle-plated.	75

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 5 per cent.
Emery, 40 per cent.
Garnet (Kurton's), 5 to 10 p.c. advance on list.

SAP SPOUTS.

Bronzed iron with hooks, per doz. 9 50

SAWS.

Hand Disston's, dis. 12½ p.c.
S. & D., 40 per cent.
Crosscut, Disston's, per ft.. 0 35 0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.

Hack, complete, each	0 75	2 75
" frame only		0 75

SASH WEIGHTS.

Sectional, per 100 lbs.....	2 25	2 50
Solid, "	1 75	2 00

SASH CORD.

Per lb.....	0 23	0 30

SAW SETS.

Lincoln and Wh ting, per doz.	4 75
Hand Sets, No. 1 Woodyatt (Morrill)	4 25
X-cut Sets, No. 3 Woodyatt (Morrill)	9 50

SCALES

Burrow, Stewart & Milne—
Imperial Standard, 45 per cent.
Weigh Beams, 35 per cent.
Champion Scales, 55 per cent.
Fairbanks Standard, 35 p.c.
" Dominion, 55 p.c.
" Richelieu, 55 p.c.
Warren's new Standard 45 p c.
" " Champion 55 p.c.

SCREW DRIVERS.

Sargent's per doz.....	0 65	1 00

SCREWS.

Wood, F.H., bright and steel, 87½ and 10 p.c.
Wood R. H., " dis. 82½ and 10 p.c.
" F. H., brass dis. 80 and 10 p.c.
Wood, R. H., " dis. 75 and 10 p.c.
" F.H., bronze, dis. 75 p.c.
" R.H. " 70 p.c.
Drive Screws, 87½ and 10 per cent.

Bench, wood, per doz.	3 25	4 00
" iron. "	4 25	5 00

Set, Case hardened, 60 per cent.
Square Cap, 50 and 5 per cent.
Hexagon Cap, 45 per cent.

SCYTHES.

Per doz., net.....	5 00	8 00

SCYTHE SNATHS.

Canadian, dis. 45 p.c.

SHEARS.

Bailey Cutlery Co., full nickeled, dis. 60 and 2½ p.c.
Bailey Cutlery Japan handles, 67½ p.c.
Seymour's, dis. 50 and 10 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SINKS.

Steel and galvanized, discount 45 per cent

SNAPS.

Harness, German, dis. 25 p.c.		
Lock, Andrews'	4 50	11 50

SOLDERING IRONS.

1, 1½ lb., per lb	0 37
2 lb. or over, per lb.....	0 34

SQUARES.

Iron, No. 493, per doz.....	2 40	2 55
" Mo. 494, "	3 25	3 40

Steel, dis. 60. 10 and 5 p.c.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.

Plain, dis., 75 and 12½ p.c. off revised list.
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized.....	3 25	3 50
Plain.....	2 90	3 15

Coopers', discount 45 per cent.
Poultry netting staples, 40 per cent.

STANDARD CHAIN CO., PITTSBURGH, U. S. A.

MANUFACTURERS OF **CHAIN** OF ALL KINDS.

Proof Coil, B.B., B.B.B., Crane, Dredge Chain, Trace Chains, Cow Ties, etc.

ALEXANDER GIBB, Montreal. —Canadian Representatives— **A. C. LESLIE & CO., Montreal.**

For Provinces of Ontario and Quebec. **For other Provinces.**

STOCKS AND DIES.

American dis. 25 p.c.

STONE.	Per lb.	
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip,	0 09	0 09
Labrador	....	0 13
" Axe	....	0 15
Turkey	....	0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, 2 in, 40 to 200 lb, per ton	....	25 00
" under 40 lb. "	....	28 00
Grind. under 2 in. thick "	....	29 00

STOVE PIPES.

5 and 6 inch Per 100 lengths	....	7 00
7 inch " "	....	7 50

ENAMELINE STOVE POLISH.

No. 4—3 dozen in case, net cash $4 80
No. 6—3 dozen in case, " 8 40

TACKS, BRADS, ETC.

Cheese-box tacks, blued .....80 & 12½
Trunk tacks, black and tinned 85
Carpet tacks, blued .....80 & 15
" " tinned .....80 & 20
" " (in kegs) 40
Cut tacks, blued, in dozens only ..80
" ¼ weights.....60
Swedes cut tacks, blued and tinned—
In bulk..... .....80 & 10
In dozens.....75
Swedes, upholsterers', bulk....85, 12½ & 12½
" brush, blued & tinned, bulk..70
" gimp, blued, tinned and japanned..... .. ...75 & 12½
Zinc tacks 35
Leather carpet tacks 55
Copper tacks 50
Copper nails 52½
Trunk nails, black .....65 and 5
Trunk nails, tinned.....65 and 10
Clout nails, blued .....65 and 5

Chair nails		35
Patent brads		40
Fine finishing		40
Lining tacks, in papers		10
Lining tacks, in bulk		15
" " solid heads, in bulk		75
Saddle nails in papers		10
" " in bulk		15
Tufting buttons, 22 line, in dozens only		60
Tin capped trunk nails		25
Zinc glazier's points		5
Double pointed tacks, papers	90 and	10
" " " bulk		40
Shoe nails		60
Clinch and duck rivets		45

TAPE LINES.

English, ass skin, per doz	2 75	5 00
English, Patent Leather	5 50	9 75
Chesterman's each	0 90	2 85
" steel, each	0 80	8 00

TINNERS' SNIPS.

Bailey's, dis. 25 p.c.

THERMOMETERS.

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TRAPS. (Steel.)

Game, Newhouse, dis. 25 p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's discount 10 per cent.

German, per doz	4 75	6 00

S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb	....	0 27
Wrapping, cotton, 3-ply		0 19
" 4-ply	....	0 23
Mattress, per lb		0 33 0 45
Staging, "		0 27 0 35

VISES.

Wright's	....	0 13½
Brook's	....	0 12¾
Pipe Vise, Hinge, No. 1	....	3 50
" " " No 2	....	5 50
Saw Vise	4 50	9 00

ENAMELLED WARE.

White, Princess, Turquoise, Blue and White, discount 50 per cent.
Diamond, Famous, Premier, 50 and 10 p.c.
Granite or Pearl, Imperial, Crescent, 50, 10 and 10 per cent.

WIRE.

SMOOTH STEEL WIRE.

No. 0-9 gauge		$2 60
10 "		6c. extra.
11 "		12c. "
12 "		20c. "
13 "		30c. "
14 "		40c. "
15 "		55c. "
16 "		70c. "

Add 60c. for coppering and $2 for tinning.

Extras net per 100 lb. — Oiled wire 10c., spring wire $1.25, special hay baling wire 30c., best steel wire 75c., bright soft drawn 15c., charcoal (extra quality) $1.25, packed in casks or cases 15c., bagging and papering 10c., 50 and 100-lb. bundles 10c., in 25-lb. bundles 15c., in 5 and 10-lb. bundles 25c., in 1-lb. hanks 50c., in ½-lb. hanks 75c., in ¼-lb. hanks $1.

Fine Steel Wire, dis. 22½ per cent List of extras : In 100-lb. lots : No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, 7.65—No. 24, $8—No. 25, $9—No. 26. $9.50—No. 27, $10—No. 28, $11 No. 29. $12—No. 30, $13—No. 31, $14—No. 32 $15, No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31 $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles, 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.50 to $3 85—No. 9, $2.85 to $3.15—No. 10, $3.60 to $3.95—No. 11, $3.70 to $4.10—No. 12, $3 to $3.30—No. 13, $3.10 to $3.40—No. 14, $4.10 to $4.50—No. 15, $4.60 to $5.05—No. 16. $4.85 to $5.35. Base sizes, Nos. 6 to 9 $2.52½ f.o.b. Cleveland.
Clothes Line Wire, regular 7 strand No. 17, $4.65; No. 18, $2.90; No. 19, $2.60. Hollow 6 strand, No. 17, $4.30; No. 18, $2 70, No. 19, $2.35; No 20, $2.30, f.o.b. Hamilton, Toronto Montreal.

WIRE FENCING.

Galvanized barb	....	3 00
Galvanized, plain twist	....	3 00

Galvanized barb, f.o.b. Cleveland, $2.77½ in less than carlots, and $2.65 in carlots

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net.. 1 37½
Terms, 3 per cent. off 30 days.

WASTE COTTON.

	per lb.
Colored	6
White	8

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 60 p.c.

Coe's Genuine, dis. 20 to 25 p.c.		
Towers' Engineer, each	2 00	7 00
" S., per doz	5 80	6 00
G. & K.'s Pipe, per doz	....	3 40
Burrell's Pipe, each	....	3 00
Pocket, per doz	0 25	2 90

WRINGERS.

Leader per doz.	$30 00	33 00
Royal Canadian.. "	....	24 00
Royal American., "	....	24 00
Sampson "	....	24 00

Terms 4 months, or 3 p.c. 30 days.

WROUGHT IRON WASHERS.

Canadian make, discount, 40 per cent.

ADVERTISING in WESTERN CANADA

will be Carefully Efficiently, and Promptly attended to, by

The Roberts Advertising Agency,

WINNIPEG CANADA.

Standard Paint & Varnish Works, Limited
Makers of High Grade Varnishes, Japans, Paints, Colors & Enamels
Windsor, Ont.

"PULLMAN"

TROUSER or SKIRT HANGERS.

TWO SIZES



PULLMAN SASH BALANCE CO.,
ROCHESTER, N.Y., U.S.A.

STANLEY RULE & LEVEL CO.,

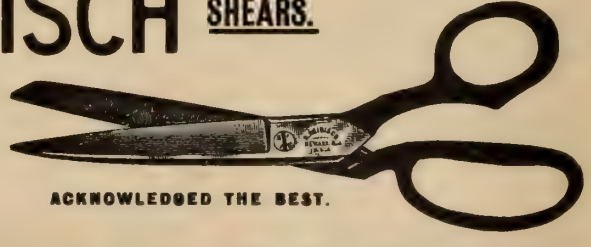
NEW BRITAIN, CONN., U.S.A.

IMPROVED CARPENTERS' TOOLS

SOLD BY ALL HARDWARE DEALERS.

CELEBRATED **HEINISCH** SHEARS.

Tailors' Shears,
Trimmers, Scissors,
Tinners' Snips, etc.



ACKNOWLEDGED THE BEST.

R. HEINISCH'S SONS CO.

NEW YORK OFFICE, 90 Chambers St.
NEWARK, N.J., U.S.A.

Not connected with any Shear Combination.

Ontario Nut Works, Paris

BROWN & CO.

Manufacturers of

All sizes of Hot Pressed Nuts, Square and Hexagon.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker,
13 St. John Street, Montreal

Representing British and American Manufacturers. Correspondence invited from firms wishing to be represented in Canada.

"THE EMLYN" SAW BENCH

Made in 6 sizes. Best value obtainable. Specially designed for export With or without "Emlyn" Patent Guard. Sole maker—

CHARLES D. PHILLIPS,

Cables—"Machinery," Newport. Emlyn Engineering Works, NEWPORT, MON., ENGLAND.

ONTARIO SILVER CO.,

Limited,

NIAGARA FALLS, CANADA.

Manufacturers of **FLATWARE, CUTLERY and ELECTRO PLATE.** . . .

Ask for our Catalogue and Quotations.

Removal Notice.

The Batty Stove & Hardware Co.

Successors to

The Toronto Branch of THE COPP BROS. CO., Limited.

Have removed their Offices and Warerooms to **76 YORK ST.** (south of King), where they will continue in the wholesale trade only, handling

STOVES AND RANGES
STOVE REPAIRS, ETC.
MANTELS, GRATES AND TILES
HOT-AIR REGISTERS A SPECIALTY

New Address—76 York Street.

HAND-FORGED **BUTCHER KNIVES** HAND-GROUND

Made from Best English Double Shear Steel



Fully Warranted

STANDARD SHAPES AND HIGHLY POLISHED

Also

Steel-Laid Shears and Scissors and Hand-Forged Razors

Made by

BAILEY CUTLERY CO., LIMITED

Write for Catalogue. **BRANTFORD, CANADA.**

CHAS. P. CLARK, President. **JARED CHITTENDEN, Treasurer.**

...ESTABLISHED 1849...

BRADSTREET'S

Capital and Surplus, $1,500,000. **Offices Throughout the Civilized World.**

Executive Offices: Nos. 346 and 348 Broadway, New York City, U.S.A.

THE BRADSTREET COMPANY gathers information that reflects the financial condition and the controlling circumstances of every seeker of mercantile credit. Its business may be defined as of the merchants, by the merchants, for the merchants. In procuring, verifying and promulgating information, no effort is spared, and no reasonable expense considered too great, that the results may justify its claim as an authority on all matters affecting commercial affairs and mercantile credit. Its offices and connections have been steadily extended, and it furnishes information concerning mercantile persons throughout the civilized world.

Subscriptions are based on the service furnished, and are available only by reputable wholesale, jobbing and manufacturing concerns, and by responsible and worthy financial, fiduciary and business corporations. Specific terms may be obtained by addressing the Company at any of its offices. **Correspondence Invited.**

——OFFICES IN CANADA——

HALIFAX, N.S.	HAMILTON, ONT.	LONDON, ONT.	MONTREAL, QUE.
OTTAWA, ONT.	QUEBEC, QUE.	ST. JOHN, N.B.	TORONTO, ONT.
VANCOUVER, B.C.	VICTORIA, B.C.	WINNIPEG, MAN.	

THOS. C. IRVING, Gen. Man. Western Canada, Toronto. JOHN A. FULTON, Gen. Man. Eastern Canada, Montreal.



Canadian Representative: ALEXANDER GIBB, 13 St. John St., MONTREAL.

75 YEARS. *ESTABLISHED 1825.* *75 YEARS.*

BEAMS CHANNELS ANGLES PLATES

1,500 TONS FOR SALE

All of this material in lengths from 40 to 60 feet.
We can ship promptly, and should be pleased to receive your order.
Prices and stock lists on application.

STEEL FRAME BUILDINGS and ROOF TRUSSES.

Also Steel Bridges for Railways and Highways.

THE HAMILTON BRIDGE WORKS COMPANY LIMITED

Long Distance Telephone, Hamilton 630. HAMILTON, CANADA.

Est. 1826 — Inc. 1895

Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve Medals



Awarded
By **JURORS** at
International Expositions
Special Prize
Gold Medal at Atlanta, 1895

RUBBER HOSE

FOR

Water	Air	Suction
Steam	Acids	Fire Protection
Gas	Brewers	Pneumatic Tools

SUPERIOR IN QUALITY.
SATISFACTORY IN SERVICE.

When you want anything made of rubber, write to us.

THE GUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

Head Office and Warerooms—
45-47-49 West Front St.

TORONTO,

Factories—115-165 West Lodge Ave.
124-148 O'Hara Ave.

CANADA.

We can quote lowest prices for the following goods in quantities, viz.:

BLACK STEEL SHEETS.
POLISHED STEEL SHEETS.
RANGE STEEL.
GALVANIZED SHEETS.
CANADA PLATES.
SHEET COPPER.
SHEET ZINC.
TIN PLATES—Coke and Charcoal.
WINDOW GLASS
PLATE GLASS.
WHITE LEAD.
RED LEAD.

Send us your enquiries when next in the market.

B. & S. H. THOMPSON & CO.

53 St. Sulpice Street,

MONTREAL.

VARNISHES AND JAPANS

McCASKILL, DOUGALL & CO.

Manufacturers — **MONTREAL**



Standard Railway and Carriage Varnishes
Standard Boat and Spar Varnishes
—Won't turn white from the effects of water and sun.
Standard Piano, Furniture and Decorative Varnishes
Zanzerine Transparent Wood Finishes and Varnishes
Architectural Varnishes

OFFICES:

161 Summer St., BOSTON, Mass., U.S.A.

30 St. John St., MONTREAL.

Don't pay for a fantastical name. Get practical worth by using
LANGWELL'S BABBIT
MONTREAL.

CANADIAN
HARDWARE
AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XIV. MONTREAL AND TORONTO, MAY 17, 1902 NO. 20.

POCKET KNIVES
H. BOKER & COS
IMPROVED
TREE BRAND
TRADE MARK
RAZORS CUTLERY SCISSORS

FOR SALE BY LEADING WHOLESALE HARDWARE HOUSES.

If any other brand will do in place of "QUEEN'S HEAD," buy . . . . .

"Fleur de Lis"

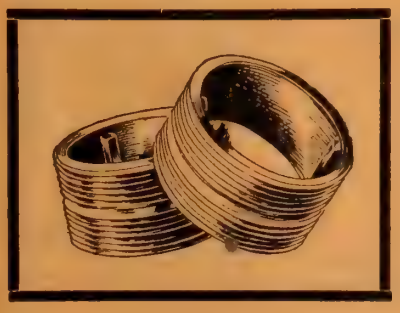
FLEUR DE LIS.

NOT a second quality, but "QUEEN'S HEAD" quality with ordinary galvanizing. Rapidly coming to the front for work where a heavy coating is not needed.

JOHN LYSAGHT, Limited, Makers, BRISTOL, ENG.

A. C. LESLIE & CO., MONTREAL, Managers Canadian Branch.

"That Made the Hit"



This is a drawing of the Patent Connection that made the "SAFFORD" famous the world over; that revolutionized radiator building; that made it possible to put a radiator together without bolts, red lead, rods or packing.

The "SAFFORD" is the only radiator on the market for hot-water and steam heating. It means satisfaction every time—is easy to handle for the contractor.

If you have not our Catalogue, write to us.

THE DOMINION RADIATOR CO., Limited

Head Office and Works: DUFFERIN ST. TORONTO, CAN.

BICYCLE SUNDRIES

We have purchased several

Bankrupt Stocks and offer **Special Prices**

while they last on

TIRES, INNER TUBES, Etc.

RICE LEWIS & SON

LIMITED

Write for Catalogue.

TORONTO.

METALS

Antimony
Copper
Lead
Tin
Zinc

M. & L. SAMUEL, BENJAMIN & CO.

27 Wellington St. West,

TORONTO, ONT.

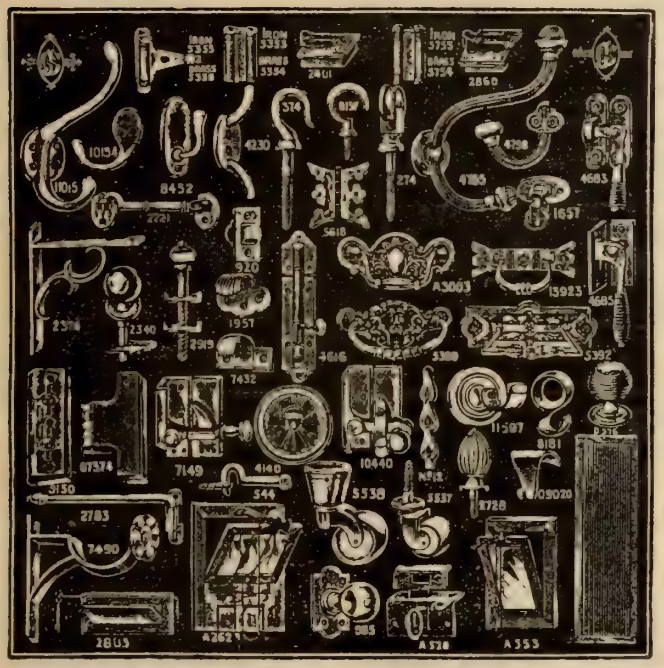
English House: SAMUEL, SONS & BENJAMIN, 164 Fenchurch St., LONDON, E.C.

James Cartland & Son

Manufacturers of every description of **Limited**

CABINET, BUILDERS', FURNISHING AND NAVAL BRASSFOUNDRY

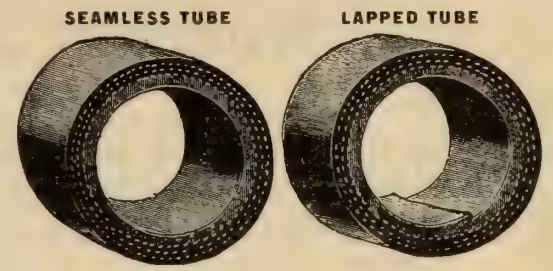
BIRMINGHAM, ENGLAND.



London Showrooms: 57 Holborn Viaduct, E.C.

GARDEN HOSE

Seamless Tube.



All brands of our **GARDEN HOSE** are made with our

Patent Seamless Tube

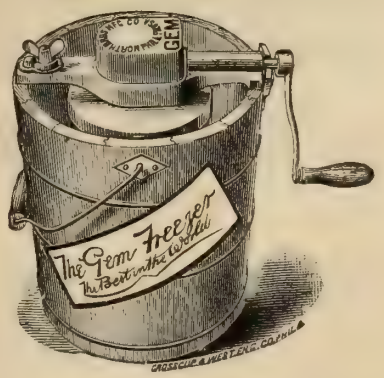
WRITE FOR DISCOUNTS.

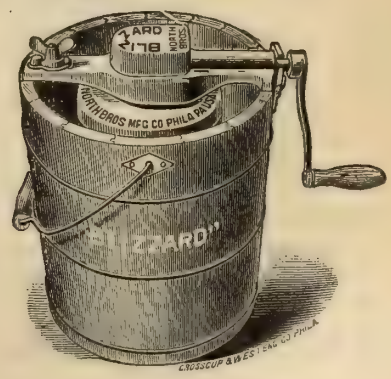
The Canadian Rubber Co.

MONTREAL **TORONTO** **WINNIPEG**

Lightning, Gem Blizzard . . . FREEZERS







ARE

Well Advertised.
In Demand.
Easily Sold.
Satisfactory in Use.
Of Known Reputation.

HAVE

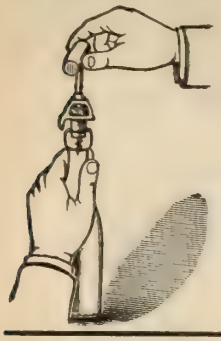
Cedar Pails with Electric Welded Wire Hoops.
Cans of Heavy Tin with Drawn Steel Bottoms.
AUTOMATIC Twin Scrapers.
"The Ice Cream Freezer Book" tells all about these and our other Freezers, mailed free.

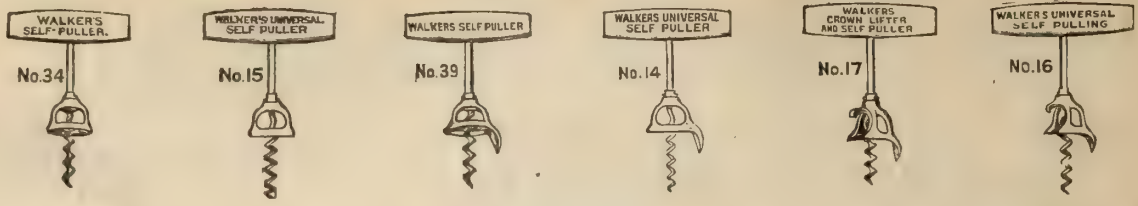
EXCEL IN

Easy Running.
Quick Freezing.
Economy.
Convenience.
Practical Results.

North Bros. Mfg. Co., Philadelphia, Pa., U.S.A.

See! You Don't Have to Pull. A Child Can Do It.



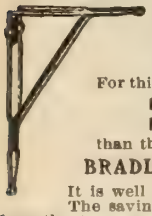


Walker's Self-Pulling Cork Screws

Made of Crucible Steel, Nickel Plated, Polished Apple Wood Handles.

EVERY ONE TESTED AND GUARANTEED. Several imitations on the market, but none as good.

Mfrd. only by ERIE SPECIALTY CO., Erie, Pa., U.S.A.



Will Hold Up a Shelf!

That's what a shelf bracket is for. For this purpose there can be

NOTHING BETTER
NOTHING CHEAPER

than the . . . .

BRADLEY STEEL SHELF BRACKET

It is well **Japanned, Strong** and **Light.** The saving in freight is a good profit, aside from the **lower price** at which the goods are sold.

☞ Order direct or through your jobber.

ATLAS MFG. CO., New Haven, Conn., U.S.A.

GALVANIZING

Our plant is modern, and capacity large. Prices O.K. Other branches:

WINDMILLS, PUMPS, TANKS, FOUNDRY WORK, ETC., ETC.

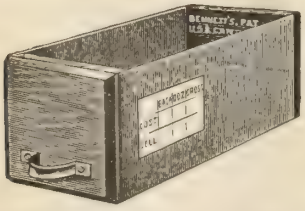
Ontario Wind Engine & Pump Co., Limited, 505 Atlantic Ave., Toronto.

THREE OF A KIND.

Andover, N.B., March 17th—"I am much pleased with the last lot of boxes sent me."—M. S. Sulton.

Granby, P.Q., March 31st—"Your shelf boxes are all right."—Nelson Mitchell & Co.

Elkhorn, Man., April 18th—"Boxes fit O.K. and are perfectly satisfactory. I would not be without them, and think it is money well invested."—G. Silvester.



Bennett's Patent Shelf Box

always makes satisfied customers.

Write for prices to **J. S. BENNETT, TORONTO**

Stove Bricks.

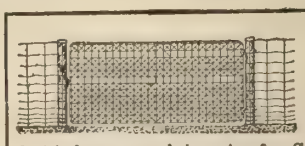
We have them in every variety and at closest prices. Prompt shipment. Write for Catalogue.

JONES BROS., Bracondale, P.O., Ont.

Lace Leather

Send direct to us for the celebrated "NIAGARA" Brand Lace Leather, best produced in this country. Yellow and White in Sides or Cut Strings. Prices and Samples on application.

WOOD BROS.
Tanners of High-Class Leathers,
ST. CATHARINES, ONT.



PAGE METAL GATES

are so low in price no one can afford to use wooden ones. Light, and yet strong enough to support a heavy man on the end while he swings around the circle without causing them to sag. They are neat in appearance, will last a lifetime. Will not sag nor get rickety. They are supplied with latches which allow them to be opened either way and are self acting. The only good metal gate that is low enough in price for General farm purposes. We also make Farm and Ornamental Fence, Poultry Netting, Nails and Staples. **The Page Wire Fence Co., Limited, Walkerville, Ont.**

BISHOP & CO.

Established 1850.

27 and 28 Little Trinity Lane, - LONDON, ENG.

54 Scotland St., SHEFFIELD — Table Cutlery, all qualities.

23 Vittoria St., BIRMINGHAM — Wrought Steel Pots, round or oval. Tinned inside or enamelled.

Samples on view at the following Agencies:—

Alex. Thurber, 446 St. Paul St., - - MONTREAL.
E. Fielding, 34 Yonge St., - - TORONTO.
E. L. Denoncourt, 74 St. Joseph St., - QUEBEC.

WIRE ROPE

Wire Rope. OF

GREENING

All Kinds and Sizes AND FOR All Purposes.

PRICES RIGHT. PROMPT SHIPMENTS.

The B. GREENING WIRE CO., Limited

Hamilton, Ont. **Montreal, Que.**

THE ZANZIBAR PAINT CO., LIMITED

TORONTO

Sole Manfrs.

ZANZIBAR HOUSE PAINTS.

Strong Colors, Durable Gloss, Uniform and Smooth.

ZANZIBAR FLOOR PAINTS.

Easily Spread, Elastic and Durable—Dry Quickly and Hard.

ZANZIBAR ROOF AND BARN PAINTS.

Low Priced, Smooth Body, Weather-Proof.

Zanzibar Shingle Stains contain no anilines, but best pigments—Permanent Colors, Strong Preservative.

NOTE:—We're a strictly Canadian house, buying all we can in Canada, quality being equal, and we will appreciate your patronage or an opportunity to tell you more about ourselves and our goods.

DISSTON

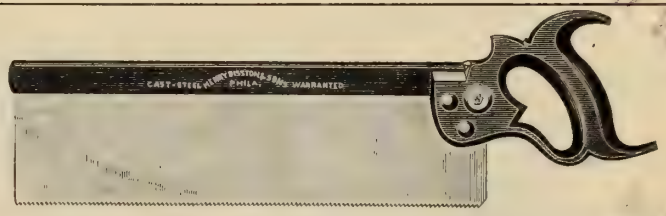


No. D 8—Hand, rip and panel saws. Warranted spring steel, finest quality.



ST. LAWRENCE—Broad cross-cut saw. Thin ground back, 4½ to 7 feet.

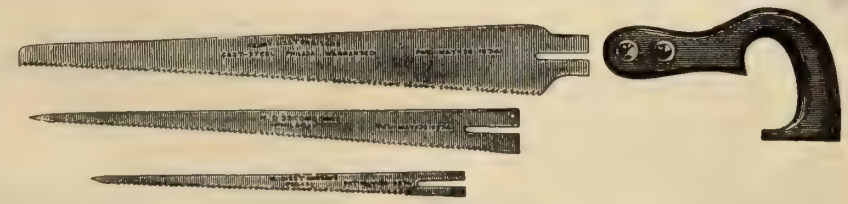
LEWIS BROS. & CO.
WHOLESALE AGENTS,
MONTREAL
TORONTO:
87 YORK ST.
OTTAWA:
54 QUEEN ST.



No. 4—Back saw. 10 to 16 inches.



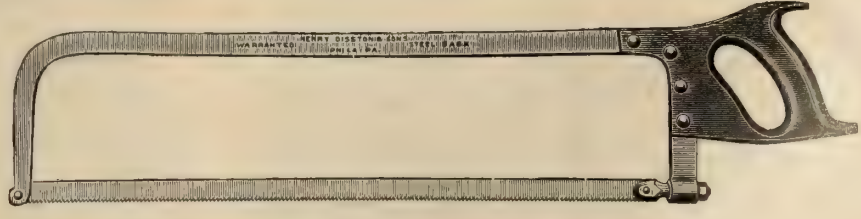
No. 6—Buck saw blades. Patent Ground. 30, 32 and 34 inch.



No. 3—Nest of saws. Set includes keyhole, compass and pruning blades.



No. 8—Pruning saw. 14 inch. The wedge shape allows it to get into narrow places.



No. 7—Butcher saw. Flat steel back, extra steel blade, 18 to 26 inches.

EASY TO SELL, THEY'RE KNOWN SO WELL.

HENRY ROGERS, SONS & CO.,

SHEFFIELD, ENGLAND

Manufacturers of the celebrated



H R S & C°

FIREBRICKS,
"Vulcan," "Forth," and "Phœnix."
CEMENT, "Lion" and "Maine" brands.
CANADA PLATES, "H. R. S. & CO."
TINPLATES, "ROGERS'" COKES.
"H. R. S. & CO." CHARCOALS.

Canadian Office:
6 ST. SACRAMENT ST., MONTREAL
F. A. YORK, Manager.

ROBLIN'S PATENT MILKING PAILS.



Latest and Best.
These pails are made of IX old method Tin, with patent locking attachment on covers so milk cannot spill, also furnished with strainer in cover, keeping milk pure.
Manufactured by
E. T. WRIGHT & CO., Hamilton and Montreal.

KNOX HENRY

Heavy Hardware and Metal Broker
Room 32 Canada Life Bldg., MONTREAL.



Samples sent free on application.
HORSE NAILS — "C" Brand Horse - Nails
Canada Horse Nail Co.
"BRASSITE" GOODS — Gunn Castor Co. Limited, Birmingham, Eng.

STANDARD TIN WORKS

MANUFACTURERS OF

TINWARE AND TIN CANS

Fruit Cans, Meat Cans,
Jacketed Oil Cans,
Baking Powder Cans,
Lard Pails, Etc.

JAS. A. McGOLPIN
156-162 Duke Street, TORONTO.

"FACTS ARE STUBBORN THINGS."

Enterprising Merchants understand that it is easy to sell goods that are in demand, and are known to be reliable. It is an admitted fact that **CHURCH'S** Cold Water

ALABASTINE

is a wall-coating of wide merit. It has stood the test of time.

M. B. Church was the first to offer to the trade a practical wall-coating adapted for use by mixing in cold water. The compound is patented, and the process of manufacturing is patented in Canada and other countries.

If offered a substitute, or something "just as good," bear in mind that the party so offering may well be regarded with suspicion. There is only one **CHURCH'S ALABASTINE,** and nothing manufactured for the purpose equal to it.

Attempts have been made to imitate **ALABASTINE,** which of course is the "sincerest flattery," but it is the genuine **ALABASTINE** that is in demand, and in selling it there is no risk on account of infringement on anybody's rights.

Our goods, our advertising, our business methods are up-to-date. Prices are right, terms easy, and supply of advertising matter liberal. Is your assortment complete? Prompt service to all.

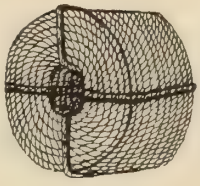
Address, THE ALABASTINE CO., LIMITED, Paris, Ont.

—The Trade supplied by—

Sanderson Pearcy & Co., Toronto, Ont.
Wood, Vallance & Co, Hamilton, Ont.
Hobbs Hardware Co., London, Ont.
Vancouver Hardware Co., Vancouver, B C.
William Hill, Montreal, P.Q.
W. H. Thorne & Co, St. John, N B.
G. F. Stephens & Co., Winnipeg, Man.
Miller, Morse & Co., Winnipeg, Man

THE INDEPENDENT CORDAGE CO., Limited,

TORONTO.



Highest Award Pan-American Exposition.

MANUFACTURERS OF ALL KINDS OF

SISAL MANILA **ROPE,** Lath Yarn, Shingle Yarn, Hide Cord, Pulp Cord, Clothes Lines **BINDER TWINE**

Transmission Rope a Specialty.

Would You

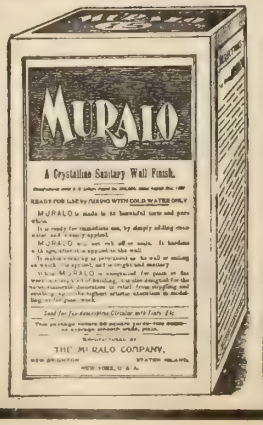
like to be pointed out as doing the paint trade of your town? We have, first of all, the **Paint** which will bring it about and, secondly, the **Business Methods** which will place it on a solid, lasting foundation. Let us hear from you.

HOLLYWOOD TRADE MIXED MARK PAINT

THE HOLLYWOOD PAINT CO., Limited

Buffalo, Chicago,
New York, Columbus, O.

CANADIAN WORKS - HAMILTON, ONT.



MURALO

The only sanitary and the best of all **cold water** wall coatings **in 5-lb. packages.**

Agents:

A. RAMSAY & SON, - - - MONTREAL
J. H. ASHDOWN, - - - WINNIPEG
McLENNAN, McFEELY & CO., - VANCOUVER

WINDOW GLASS—TO IMPORT.

Prompt Deliveries

EVERY KIND OF PLATE AND WINDOW GLASS IN STOCK.

BENT GLASS of all kinds, our own manufacture. **Closest Prices.**

TORONTO PLATE GLASS IMPORTING CO.,

Hill & Rutherford

Warerooms and Offices—135 to 143 Victoria St.
Bending Works—209 to 213 Victoria St.

TORONTO

Use Syracuse Babbitt Metal

IT IS THE BEST MADE.



For Paper and Pulp Mills, Saw and Wood Working Machinery, Cotton and Silk Mills, Dynamos, Marine Engines, and all kinds of Machinery Bearings.

Wire, Triangular and Bar Solder, Pig Tin, Lead, Ingot Copper, Ingot Brass, Antimony, Aluminum, Bismuth, Zinc Spelter, Phosphor Tin, Phosphor Bronze, Nickle, etc., always in stock.

CANADIAN WORKS, MONTREAL, P.Q.
AMERICAN " SYRACUSE, N.Y.

Syracuse Smelting Works

DAVID MAXWELL & SONS

ST. MARYS, ONT., CANADA.



Steel Frame Churn.

"Maxwell Favorite Churn"

PATENTED FEATURES: Improved Steel Stand, Roller Bearings, and Foot and Hand Lever Drive, and Detachable Driving Link. Improved for season of 1902. Steel or Wood Frame as desired.

Wheelbarrows.

In Four different Sizes.

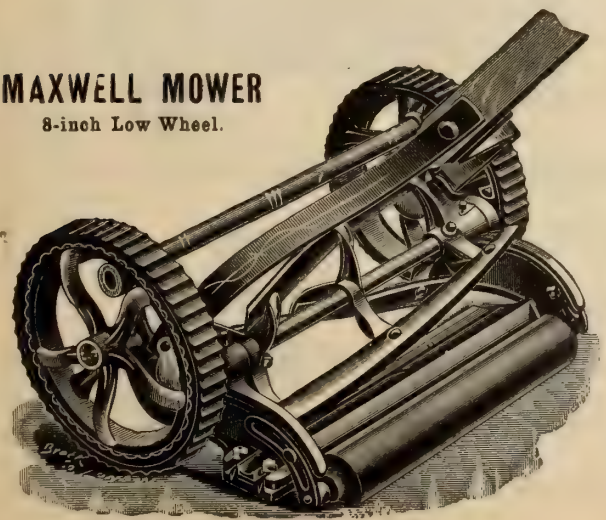
Lawn Mowers.

High and Low Wheels. from 12-in. to 20-in, widths. Cold Rolled Steel Shafting, Crucible Steel Knives and Cutting Plate.

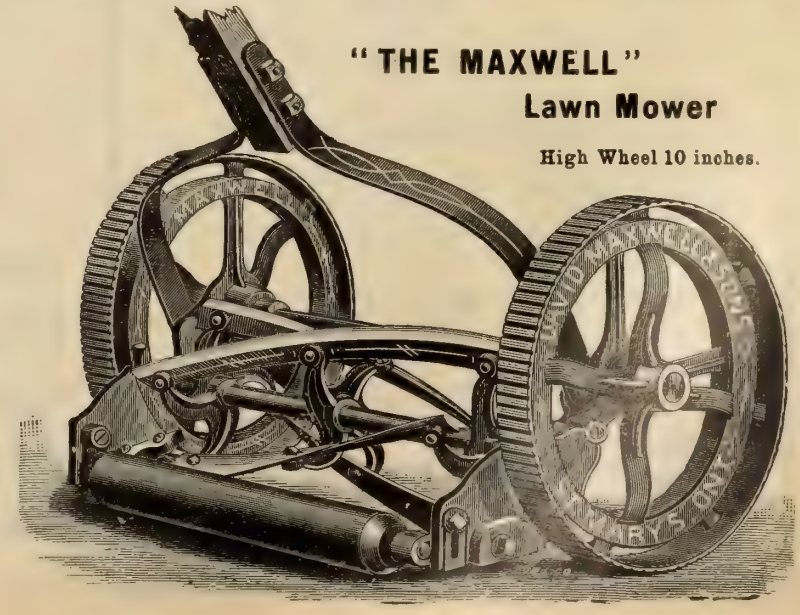
If your Wholesale House does not offer you these articles

SEND DIRECT TO US.

MAXWELL MOWER
8-inch Low Wheel.



"THE MAXWELL"
Lawn Mower
High Wheel 10 inches.



The Selling Qualities

Of our splendid range

The Imperial Oxford

make them the most desirable stock you can handle.

THEIR DIFFUSIVE FLUE CONSTRUCTION
FRONT DRAW-OUT GRATE
OVEN THERMOMETER
DRAW-OUT OVEN RACK

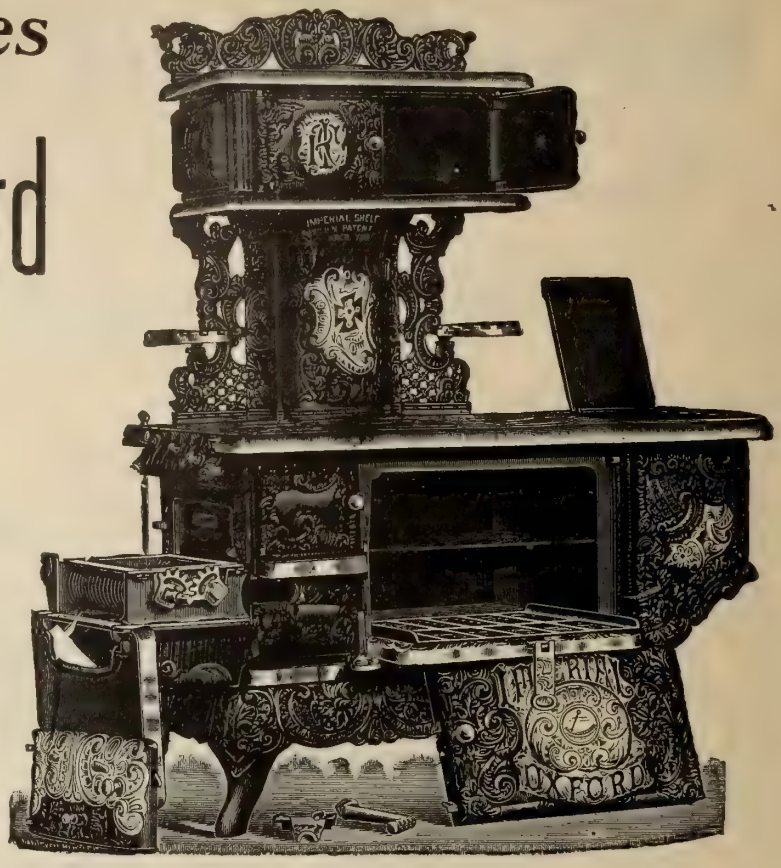
and other improved features, give them a quickly appreciated precedence over other ranges.

Housewives everywhere praise them enthusiastically.

Customers realize their superiority on sight—sales are easy.

They're the popular range of Canada.

Send us your order at once.



THE GURNEY FOUNDRY CO., Limited

TORONTO. WINNIPEG. VANCOUVER.

THE GURNEY-MASSEY CO., LIMITED, MONTREAL.



Australasian Hardware and Machinery.

The Organ of the Hardware, Machinery and Kindred trades of the Antipodes.

SUBSCRIPTION $1.25 PER ANNUM,

post free to any part of the world.

PUBLISHING OFFICES:
Melbourne - Fink's Buildings.
Sydney, - - - Post Office Chambers.

AMERICAN OFFICES:
New York, - Park Row Building.

BRITISH OFFICES:
London, - - - 42 Cannon St., E.C.

Specimen Copies on application.

CANADA FOUNDRY COMPANY.
LIMITED.

MACHINE SCREW DEPARTMENT

HEAD OFFICE: TORONTO, ONT.

DISTRICT OFFICES:

MONTREAL, HALIFAX, WINNIPEG, VANCOUVER, OTTAWA, ROSSLAND, B.C. VICTORIA, B.C.



Coupling Bolts, Machine Screws, Cold Pressed Nuts, Studs, Cap and Set Screws Special Milled Work, etc.

SEND FOR PRICE LIST NO. 1001

MISTRESSES AND MAIDS

DON'T OFTEN AGREE, BUT IN THOUSANDS OF HOMES WHERE

The World's Knife-Cleaning Machine

IS USED, THEY ARE OF ONE MIND AS TO ITS EXTRAORDINARY MERITS. By Royal Letters Patent.

WHAT IT WILL DO

It will clean any sort, shape, or size of knife.
It will clean, easily, at the rate of 500 knives per hour.
It will make knife-cleaning a pleasure.
It will easily command a large sale.
It will do away with all excuses for dirty knives.
It will feed itself with powder.
It will prove itself the best of all knife-cleaners.

WHAT IT WILL NOT DO

It will not damage the blades or handles.
It will not make any dust or dirt.
It will not cause any worry or trouble.
It will not want constant repairing.
It will not soil the hands of the user.



Size—11 inches x 11 inches x 7½ inches high.
Weight about 12 lbs.
Over 25,000 sold in England last year.

WHAT IT COSTS IN COMPARISON WITH OTHERS.

Possessing all the merits and none of the faults of high-class, expensive machines, it yet compares favorably with all these in price, and the cost is not $25 or $30, but simply - - - - - ☞

British-made throughout. Handsome Electro Coppered. Complete in wood box, with tin of Knife Polish. It has only to be seen to be at once appreciated and to command a ready sale.

Retail Price,

$4.50

Only.

TRADE AND SHIPPERS ONLY SUPPLIED.

Special Prize Medal, Cookery and Foods Exhibition, London, Eng., 1901.
Highest Award, Gold Medal, Military Exhibition, London, Eng., 1901.

SPECIAL TRADE DISCOUNTS:

For lots of 12 Machines, 50 and 5 per cent. For lots of 72 Machines, 50 and 15 per cent.
" 36 " 50 and 10 " " 144 " 50 and 20 "

Electros Free. Superb, Expensive Show Cards Free.

PATENTEES AND MANUFACTURERS:

WORLD'S MANUFACTURING CO., 66-68 Victoria Street, - - LONDON, S.W.



A Challenge Without an Acceptor.

We have often heard of articles being returned as useless and unsalable because of some defect in manufacture, but are pleased to say we have yet to hear of a single case of goods bearing the **Standard Silverware** brand being returned, though we have advertised time and again gladly offering to **take back any imperfect goods.**

THE INFERENCE is, then, that there are no imperfect goods bearing our brand in the country, and that every purchaser is well satisfied. You and your customers will be satisfied, too, if you sell it.

Write us for big Illustrated Catalogue and Price List.

EVERYTHING IN SILVER-PLATED WARE.

STANDARD SILVER CO., LIMITED,

31 to 43 Hayter St., TORONTO.

ELECTROS—ONE CENT EACH

IF you want an electro of our Lawn Mowers, Screen Door Hinges, or any of the lines we manufacture, to use in your local paper, a request on a **ONE CENT** post card will secure it.

If you haven't a copy of our 1902 catalogue, or our special Lawn Mower catalogue, a request on a **ONE CENT** post card will secure them.

We only sell through the Wholesale Trade.

We Lead in Quality and Compete in Price.

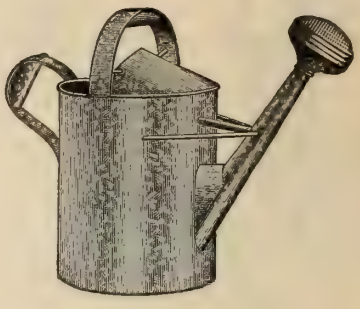
A. R. WOODYATT & CO., GUELPH, ONT.

Seasonable Suggestions



Water Coolers.

Made in five sizes.
Artistically decorated in attractive designs.
They have Nickel-plated Faucets and are substantially made.
Each one is carefully packed in a wooden box.



Water Pots.

Plain. Japanned. Galvanized. Six sizes.
All our Cans have the patent Zinc Rose, which can be easily taken apart for cleaning.
They are all well finished, strong and durable.

WE CARRY A FULL LINE OF METALS.
Canada Plate and Galvanized Iron from stock or for import.
WE WILL BE PLEASED TO QUOTE YOU.

KEMP MANUFACTURING CO., TORONTO, CANADA.

HARDWARE AND METAL

VOL. XIV. MONTREAL AND TORONTO, MAY 17, 1902. NO. 20.

President:
JOHN BAYNE MacLEAN,
Montreal.

The MacLean Publishing Co.
Limited

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P.E. Island and Newfoundland.

OFFICES.

MONTREAL - - - 232 McGill Street. Telephone 1255.
TORONTO - - - 10 Front Street East. Telephone 2701 and 2702.
LONDON, ENG. - - 109 Fleet Street, E.C. W. H. Miln.
MANCHESTER, ENG. - - 18 St. Ann Street. H. S. Ashburner.
WINNIPEG - - - Western Canada Block. J. J. Roberts.
VANCOUVER, B.C. - - - Flack Block. J. A. Macdonald.
ST. JOHN, N.B. - - No. 3 Market Wharf. J. Hunter White.
NEW YORK - Room 443 New York Life Bldg.

Subscription, Canada and United States, $2.00.
Great Britain and elsewhere - - 12s.

Published every Saturday.

Cable Address { Adscript, London. / Adscript, Canada.

WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

AN INTERESTING CASE.

A CASE which will, no doubt, have some interest for business men generally was decided the other day in the United States Circuit Court. A capitalist named Young had been advancing money to a firm in New York, which subsequently became insolvent. These advances were made according to an understanding with the president of the company long before it was known to be in an insolvent conditon. The company, in turn, gave demand notes for each advance made and signed bills receivable and collateral thereon. The amount finally owed Mr. Young was nearly $54,000. After the company became bankrupt this sum of money was collected and deposited with a trust company on the joint account of the trustee of the estate and Mr. Young. But when the latter endeavored to secure payment the trustee contended that the collateral held by the plaintiff did not constitute tangible assets, and that he was not entitled to go beyond the company to recover liabilities of the concern, and thus deprive the other creditors of a certain sum of money.

As our readers are well aware, the bankruptcy law which is in force in the United States allows no preference, and the object of the trustee of the estate was to present the case of Mr. Young in the light of a preference claim. The Court held, however, that, as the agreement was entered into prior to any knowledge on the part of either concern impending insolvency, the plaintiff was entitled to the fund held in the joint account.

We fancy that this decision will receive the endorsation of the business men generally, those, of course, excepted who are directly interested in preventing this large sum of money from being paid to one claimant against the estate.

A PECULIAR HALIFAX LAW.

They have a somewhat peculiar by-law in force in Halifax, which prohibits the washing of store windows after eight o'clock in the mornings. In spite of this by-law one of the local storekeepers undertook one night after 11 o'clock to wash his windows, and for this offence he was brought before the Police Magistrate and compelled to pay a fine.

This somewhat peculiar and antiquated law is evidently a sort of a twin brother to the celebrated curfew law. Now that a fine has been imposed on one of the local merchants who is ambitious to have his store windows present a cleanly appearance, it is possible an agitation may arise which will cause its repeal.

There is no question about the necessity of repealing such a law, and it is to be hoped that the merchants of Halifax will unite their efforts in trying to bring it about.

A FAST SERVICE.

IT IS stated that the Ottawa Government is considering an arrangement for the inauguration of a fast transatlantic steamship line having connections with a transcontinental railway. It is said that, with this end in view, negotiations have been opened with the C. P. R. for a weekly passenger service between Great Britain and Canada equal to the best that sails from New York. A dozen steamers would be required to maintain a good freight service, and the total cost of the undertaking would be $20,000,000. The Government has power at present to subsidize a line at $700,000 a year, but for a passenger and freight service $1,000,000 yearly would be required.

When Sir Wilfrid Laurier and his colleagues go to Great Britain in June, this project is likely to be discussed with the C.P.R. directors and representatives of the British Government.

NEED OF BUSINESS MEN.

THERE never was a time when the demand for business men in Governments was so reasonable as it is just now.

Nearly all the principal questions which are before the Canadian Government are of a business or trade character. Most of them are questions which merchants could settle much better than politicians. There are certain questions, we admit, which lawyers and professional politicians can deal with more readily than persons without political or legal training. But no questions of this class are as important to Canada at the present time as those purely commercial.

For example, take the matter of the Imperial conference, shortly to be held in London to discuss the relations of Great Britain with her colonies. To us the most vital of these relations is that of trade. Canada will have four Ministers of the Crown in London at that time. Of the four, but one, Mr. Paterson, is a business man.

We do not mean to say that the others are not able and distinguished men, but they are not business men. All the issues which arise out of the trade discussions in London must to some extent be new ground to three or four of our representatives. We do not say this in any complaining spirit, but only for the purpose of emphasizing what has been contended for in these columns during many years, namely, that there should be a larger representation of business men in all our Governments.

Canada is represented in London by an experienced and successful business man, Lord Strathcona. This is greatly to our advantage. We ought to induce our big men of like attainments to take a more prominent part in our public affairs. This is no idle complaint. In England itself, an agitation has been on foot for some time against the filling up of the most important offices in the State with men who do not understand business.

During the last ten years the commercial interests of the world have been getting more and more important. Even war is now conducted on a business basis. Everything is being systematized.

Surely, then, there is nothing surprising in the demand that national commercial interests should, as far as possible, be attended to by commercial men of national standing?

Of course, political considerations often interpose and prevent Prime Ministers from filling up vacant offices with the best men. If so, we ought to change the political conditions, instead of going on year after year allowing the business of the country to fall more and more into the hands of politicians who, however honest and capable they may be, are men of theory and of vague ideas, instead of with practical experience and business insight.

There is some good in all advertising and all advertising does some good, but the best advertising and the advertising that does the greatest good is newspaper advertising.

THE ADVANCE IN LINSEED OIL.

THE strong market for raw and boiled linseed oil during the last two or three weeks has resulted in an advance of 1c. per gal. There continues to be a scarcity of that article on hand in Toronto and other western points, and the manufacturers seem to be unable to fill the orders of the wholesale jobbers of paints and oils. There is apparently a scarcity of the linseed from which the oil is extracted, and an oil famine may be on hand in Canada. Some think the manufacturers are only holding back for higher prices. The import prices of oil from Great Britain are much higher than they were two weeks ago, and as the Canadian market is at present regulated by these prices the advance here has taken place.

Last week the way in which raw and boiled linseed oil was being quoted was changed. Under the old schedule prices were fixed for quantities of one to four and five to nine barrels. Ten barrels and over were left open. In the new scale linseed oil is quoted in quantities of one to two, three to five, six to nine, and ten to sixty barrels.

The week's quotations of raw oil for the cities of Toronto, Hamilton and London are 81c. for 1 to 2 barrels, 80c. for 3 to 5 barrels, 78c. for 6 to 9 barrels, and 76c. for 10 to 60 barrels. Boiled oil is worth 2c. more per gallon. Two cents extra will be charged to outside western points, but freight will be allowed. All quantities of 10 barrels and over are sold f.o.b. Toronto, Hamilton, London and Guelph.

WORTH EMULATING.

A SOMEWHAT unique step is being taken on the Pacific Coast in regard to tourist travel.

In Victoria, B.C., and Tacoma, Wash., there are two live tourist associations. They hold regular meetings and are led by live men who are continually devising ways and means of attracting tourists to their respective localities. Fortunately they do not appear to to be actuated by any spirit of jealousy, for, instead of working against each other, they are cooperating, in order that the one may be able to help the other in attracting tourists to their respective cities.

Such mutual cooperation is seldom witnessed, even among cities in the same country, but we do not remember ever having heard before of tourist associations in different countries cooperating together as the two cities of Victoria and Tacoma are doing.

It is to be hoped that they have set an example which tourist associations, at least in Canada, will emulate. And there is no reason why it should not extend, also, to tourist associations in border cities on both sides of the line.

AN ADVANCE IN TURPENTINE.

An advance of 2c. per gal. has taken place in turpentine. The firmer feeling and advances in the South have caused the appreciation here, but the well-known uncertainty regarding the Southern markets makes it impossible to predict with certainty whether or not this advance will be sustained.

This week's quotations of turpentine are for one barrel 70c. per gal., and 69c. for two to four, while five barrels and over will be left open. These prices are for Toronto, Hamilton and London, and 1c. extra will be charged to outside western points. The terms are net 30 days.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

An application has been made for a winding-up order of W. C. Wilson & Co., mill supplies, etc., Toronto.

N. Jutras, general merchant, St. Prosper, Que., has assigned.

A. Hogarth & Son, general merchants, Mattawa, Ont., have assigned to D. A. Dunlop.

D. Marcotte & Co., general merchants, Claireux, Que., have assigned to Gagnon & Caron.

D. N. Kinzie, general merchant, Dutton, Ont., is offering to compromise at 30c. on the dollar.

Jos. Savarie, general merchant, St. Antoine Abbe, Que., is offering 65c. on the dollar cash.

The creditors of John Heppler, jr., harnessmaker, Hanover, Ont., held a meeting on May 13.

Max Rosenstein, general merchant, Barachois de Malbaie, Que., has assigned to Kent & Turcotte.

The creditors of Wm. W. Montague, general merchant, Dunnville, Ont., held a meeting on May 15.

Joseph Ethier, tinsmith, Weymouth Bridge, N.S., has assigned to the official assignee, and his creditors will meet on May 22.

A writ has been issued to set aside the sale of stock of Thomas Dunn & Co., wholesale and retail hardware merchants, Vancouver, B.C.

PARTNERSHIPS FORMED AND DISSOLVED.

The American Bottle Exchange, Montreal, has dissolved.

Andrews, Bell & Co., general merchants, Montreal, are about dissolving.

Winch & Bower, fish merchants, fruiterers, etc., Vancouver, B.C., have dissolved.

Clark & Melanson, general merchants, Joggins Mines, N.B., have dissolved; T. G. Melanson continues.

Lundy & Money, agricultural implement agents, Rapid City, Man., have dissolved; ——. Lundy continues.

Elder, Dempster & Co., shipowners, Montreal, have dissolved, and a new partnership has been registered.

Dobell, Beckett & Co., lumber merchants, Montreal, have dissolved, and a new partnership has been registered.

John Brown and Sanford Munsie, painters, Pictou, N.S., have registered as partners under the style of Brown & Munsie.

N. E. Chute & H. Miller, wagon and implement agents, Bridgetown, N.S., have registered as partners under the style of Chute & Miller.

SALES MADE AND PENDING.

The stock of P. Ferland, general merchant, St. Jean Chrysostome, Que., has been sold at 26c. on the dollar.

C. W. Lent, general merchant, Courtice, Ont., is advertising his business for sale.

M. W. Stroud, general merchant, Beaverton, Ont., is advertising his stock for sale.

SATISFACTION—

deep-down satisfaction—the kind of satisfaction that brings a man back again and again and builds up business—is what every Sherwin-Williams Agent is able to insure his paint customers. There's the best kind of satisfaction in every can of The Sherwin-Williams goods. There's satisfaction for the dealer and consumer alike.

For the dealer there is paint profit that grows greater as the years go by, and there is paint reputation that has been gained by more than thirty continuous years of good paint making. There is a volume of business that cannot be had by selling other inferior and less widely advertised goods, and there are helps the like of which are unknown to other than Sherwin-Williams dealers.

If you do not now hold

THE SHERWIN-WILLIAMS AGENCY,

it will pay you well to write at once for our B-13 booklet, which explains some of the reasons why we give satisfaction, and why our dealers to-day, wherever located, are doing the largest and best paint business.



THE SHERWIN-WILLIAMS CO.

PAINT AND VARNISH MAKERS.

CLEVELAND.

CHICAGO, NEW YORK, NEWARK, MONTREAL, BOSTON, TORONTO, SAN FRANCISCO. KANSAS CITY.



The assets of O. Martin, general merchant, St. Guillaume D'Upton, Que., have been sold.

CHANGES.

V. Wensley, bicycle dealer, Belleville, Ont., is giving up business.

Brown & Munsie are successors to John Brown, painter, Pictou, N.S.

Mrs. Ernest Trudel has registered for E. Trudel & Co., painters, Montreal.

Aurele Roy has registered for Roy, Eusebe & Co., contractors, Montreal.

L. A. Levesque, hardware merchant, Ville Marie, Que., is starting business.

E. B. Eaton, blacksmith, Canning, N.S., is succeeded by Wilbur Brown.

Isabella Yemen, general merchant, Honeywood, Ont., has sold out to G. A. East.

Smith Bros., sawmill owners, etc., Stewart, Ont., have sold out to John Cooper.

The estate of W. M. Willis, carriagemaker, Halifax, N.S., is succeeded by Willis Bros.

A. Earle & Co., general merchants, Stayner, Ont., have sold out to Bell & McEachern.

The Page Wire Fence Co., of Ontario, Limited, have registered at Montreal and Walkerville.

A. M. Brown, general merchant, Petitcodiac, N.B., has opened a branch store at Anagance.

Wilbert Ross, agricultural implement dealer, Manitou, Man., has sold out to Wm. Winram.

N. C. Urquhart, general merchant, Mount of Keswick, N.B., has sold out to S. E. Barker.

H. D. McEwen, general merchant, Morell, P.E.I., is succeeded by H. D. McEwen & Co.

R. P. Roblin & Sons, general merchants, Carman, Man., are succeeded by W. L. Roblin & Co.

Noe Menard, general merchant and painter, New Carlisle, Que., has recently added a hotel business.

John Walker, lumber merchant, Grenfel, N.W.T., has sold out to The Grenfel Milling and Elevator Co.

FIRES.

John McAffee, tinsmith, Woodstock, Ont., was burned out.

Guest & Co., manufacturers of brooms, etc., London, were partially burned out; their loss is covered by insurance.

E. R. Rogers, hardware and tinware merchant, Toronto Junction, Ont., was damaged by fire and water; the stock is fully insured.

The Van Buren Lumber Co.'s shingle and grist mills at Edmundston, N.B., were burned; the loss is about $15,000 and the insurance is $4,500.

DEATHS.

W. H. Cleave, cabinetmaker, Neepawa, Man., is dead.

James Vair, hardware merchant, Kamloops, B.C., is dead.

Samuel Henry, wood and coal merchant, Montreal, is dead.

H. J. Belanger, general merchant, Chambord Junction, Que., is dead.

Neil McLeod, of McLeod Bros., general merchants, George's River, N.S., is dead.

IRONMOULDERS' STRIKE.

The ironmoulders working at the C.P.R. foundry in Hochelaga asked for a minimum rate of wages of $2.50 per day, on the refusal of which about 300 went out on strike on May 14.

It is claimed by the men that they are paid less than workmen in any other foundry in the city by between 15 and 60c. per day. There are no men left now in the C.P.R. foundry, and should any other foundry do work for the railway company the strike will become general, affecting some 700 men.

Mr. D. McNichol, the general manager, stated that the men had promised to give the officials a memorandum that morning, but had gone out on strike instead.

Although the opinion is not very generally held by those acquainted with the conditions, yet it is possible that a general strike might be ordered. This, however, could not be done until Friday, May 16, as the agreement binds the parties to arbitrate the question first.

"ROYAL CANADIAN" RAZORS.

H. Boker & Co. have put on the Canadian market lately a plain full-concaved razor branded with the registered mark "Royal Canadian." This is Boker's best grade and equal in every respect (except the fancy finish) to their "King Cutter" razors.

It is H. Boker & Co.'s highest possible production in quality at a moderate price. No expense is put to finish, and quality only is the main consideration. Every razor bearing the name of H. Boker & Co., "Royal Canadian," is fully warranted, and it will no doubt be a satisfactory money-maker for every retailer handling it.

WANT A ROPE FACTORY.

It is stated that conditions are favorable for the manufacture of rope in Vancouver. At present the raw material is imported to the United States through that port, manufactured, and some of the manufactured article is brought back to Canada. Hemp is constantly being brought over from Australia in vessels of the Australian Line to Vancouver and then sent to manufacturing concerns in the United States, who send back their manufactured product to Canada. The Canadian consumer on the Pacific coast thus has to pay duty and freight both ways. This extra expense would be saved by the establishment of a factory in Victoria, New Westminister or Vancouver.

INSTALLING A TELEPHONE LINE.

A telephone line is to be installed by G. R. Ashwell & Sons, general merchants, Chilliwack, B C., between their store in Chilliwack and their branch store in Sadis.

The firm is now in the market for the necessary plant.



A Prediction Fulfilled

NAT BUTLER RIDING AN

Iver Johnson Truss Frame

Wins the first hour race of the season, defeating the best paced talent in the country.

(FRAME PATENTED)



Buy a Bicycle with a Reputation.

Agents desired in unoccupied territory.

IVER JOHNSON'S ARMS & CYCLE WORKS,

New York Office: 99 Chambers St. FITCHBURG, MASS.

THE LONDON SCALE WORKS

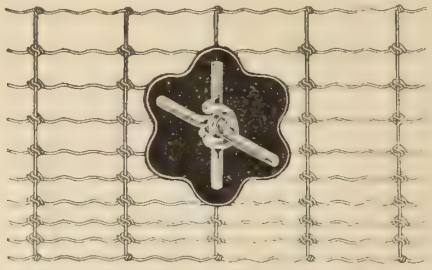
GEORGE M. FOX
(Successor to John Fox.)

Manufacturer of Railroad, Hay and Platform Scales.

91 York Street, LONDON, ONT.

IDEAL WOVEN WIRE FENCING

Complete in the roll. A heavy one-piece stay that will not buckle up and cannot slip. Note the lock. No. 9 hard spring wire throughout. A fence that will last.



The McGregor, Banwell Fence Co., Limited
WINDSOR, ONT.

COILED SPRING AND OTHER FENCE WIRES.

Buy
Wrapping Papers

from these mills—good in quality — the kind that suits in all cases—480 sheets to the ream — full weight always. You economize by using this paper.

CANADA PAPER CO., Limited
TORONTO and MONTREAL.

SEED CORN

FIELD VARIETIES ONLY.

ALSO **WHITE BEANS**

IN CARLOTS AND LESS.

Write FRED. B. STEVENS & CO., Chatham, Ont.

TRADE WITH ENGLAND

Every Canadian who wishes to trade successfully with the Old Country should read

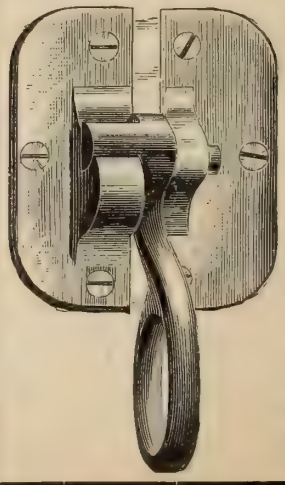
"Commercial Intelligence"

(The address is 168 Fleet St., London, England.)

The cost is only 4 cents per week, including postage. (Annual subscription, $2.11.) Moreover, regular subscribers are allowed to advertise without charge in the paper. See the rules.

P. J. CONROY, Manufacturer of
REFRIGERATOR HARDWARE

Paschall Station, Phila., Pa.



The "Conroy" Refrigerator Door Fastener.

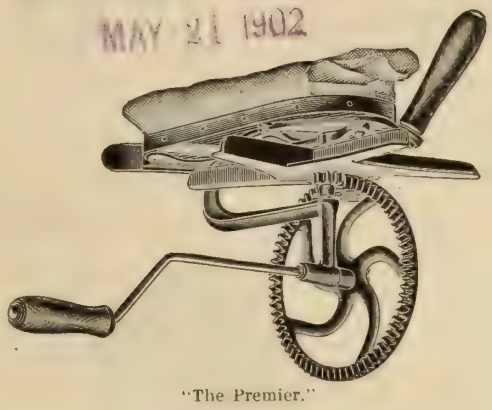
H. S. HOWLAND, SONS & CO.

WHOLESALE ONLY — 37-39 Front Street West, **Toronto.** — ONLY WHOLESALE

BROADCAST SEED SOWER.

MAY 21 1902

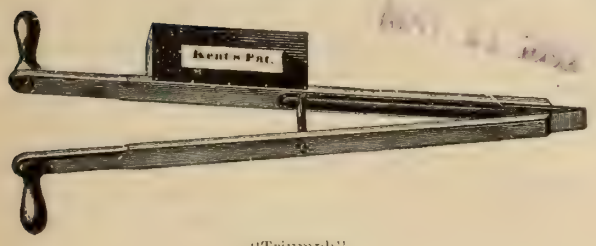
The strongest, neatest and most compact hand seed sower made.



"The Premier."

Will sow any seed that is sown broadcast, such as oats, wheat, rye, flax, millet, clover, timothy, grass seed, etc.

KENT'S CORN PLANTERS (Best made and easiest sold).

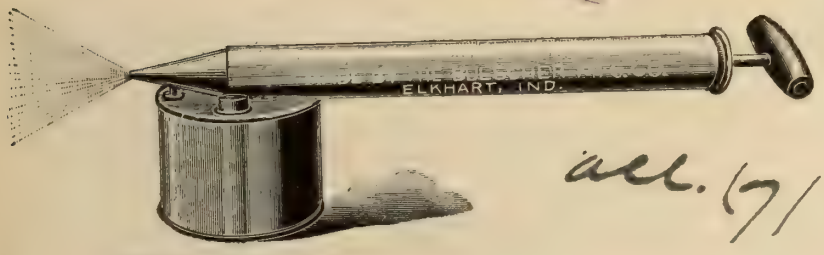


"Triumph"

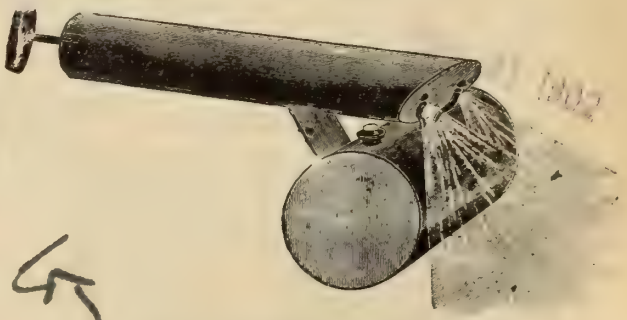


"Triumph" with Pumpkin Seed attachment.

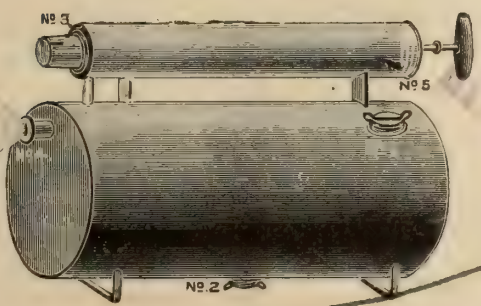
INSECT EXTERMINATORS.



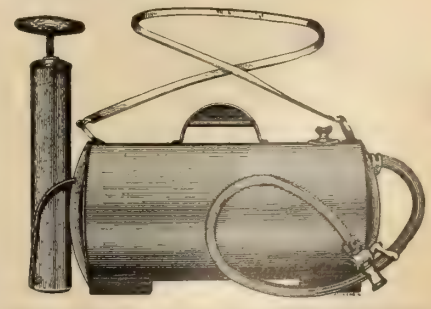
"Cataract" Tin Lacquered.
" All Brass, cannot rust.



No. 3—"Lightning," Tin Pump and Tank.
No. 13 " Coppered "



No. 30—Galvanized
The simplest, strongest and best. The least liable to get out of order.



No. 3—Galvanized, Iron Tank, Holding 3 gallons.
No. 3X Copper, " " 3 "

H. S. HOWLAND, SONS & CO., Toronto.

WE SHIP PROMPTLY — Graham Nails are the Best. — OUR PRICES ARE RIGHT

Factory: Dufferin Street, Toronto.

NOVA SCOTIA MARKETS.

HALIFAX, May 13, 1902.

THE general activity in the hardware business still continues, and all firms were kept busy last week. The volume of business done compares favorably with this season in other years. The wholesalers report that the orders coming in from the various parts of Nova Scotia, New Brunswick, Prince Edward Island and even Newfoundland, show that there is unusual activity in all lines of business requiring hardware material, and that there is every appearance that the demand will be well sustained throughout the season.

* * *

This is the season when the householder commences to brighten up both the interior and exterior of his home, and the retailers are having a good demand for kalsomine, ready-mixed paint, glass, putty, nails, screen doors and windows and other small wares necessary for light repairing.

* * *

As the fishing vessels have all fitted out and started on their season's work, there is a light demand in this line, but the demand for building materials of all kinds is still well sustained, showing an extraordinary activity in all parts of the country. There is also a considerable demand for mining machinery. New mines have been opened up, while older ones are increrising or renewing their plant. There is every appearance of much activity in this line this summer. New methods and new machinery are being successfully worked.

* * *

The price situation in hardware is very changeable. The iron and steel markets continuing firm has had a tendency to advance many lines. Builders' hardware is 10 per cent. higher than a month ago. Harvest tools have undergone two or three advances, and are now 33⅓ per cent. higher than at the opening of the season. Screen wire cloth has advanced 7½c. per roll. Locks, knobs, hinges, screws and other building material now so much in demand have all slightly advanced. The base price on nails is now $2.35 to $2.45. All metals are firm, and further advances are not unexpected.

* * *

The same difficulty is recurring this year as experienced last year, that of getting orders filled promptly by the manufacturers and producers, all of which indicates that the demand is greatly in excess of the production. This is a good state for the industries of the country to be in, but in many cases it seriously affects the jobbers who do not carry heavy stocks. Some of the wholesalers, too, are compelled to partially fill orders through other firms.

* * *

The cordage and twine situation is very firm at recent advances. Linseed oil is easier, yet there is no reduction in the local prices on account of the season's heavy demand. Turpentine is firm at recently noted advance. Both of these articles will no doubt be subject to a decline when the present demand is over. All other oils are firm and prices unchanged. Glass is firm, and on account of labor troubles in Germany may advance. There are fairly large stocks held here of recent importation.

* * *

The general conditions, affecting all lines of trade in the city, may be gauged by the fact that the total exports from Halifax since last September aggregated about $600,000 more than during the preceding year.

R. C. H.

PERSONAL MENTION.

Mr. J. H. Roper, representing Mr. Alexander Gibb, left on May 10 for the Maritime Provinces. He will be gone about two months.

Mr. Booth, representing the Corbin Cabinet Lock Co., of New Britain, Connecticut, has been visiting the Montreal trade this week. Mr. Booth made a number of the hardwaremen presents of a pair of novel cuff links, with a small key (a real one) as one of the studs. They were finished in old silver, and were the products of the factory.

INQUIRIES ABOUT CANADIAN TRADE

Inquiries received by the Canadian section of the Imperial Institute, London, Eng.:

1. A Glasgow firm wishes to appoint reliable agents in the leading Canadian cities for the sale of Clyde refined sugar.

2. A London agent, long established, wishes to hear from Canadian manufacturers and shippers seeking representation.

[The names of the firms making the above inquiries can be obtained on application to the Editor of HARDWARE AND METAL]

HAVE COMPROMISED.

McKenzie, Meldrum & Co., general merchants, Thedford, Ont., have compromised at 50c. on the dollar, cash. This arrangement was made at a meeting of their creditors in Toronto on May 13. The firm was burned out about a month ago sustaining a total loss. The insurance was $6,000, and $3 500 of this was paid to the firm which McKenzie, Meldrum & Co. had bought out and the balance left to pay the creditors. The liabilities are about $5,500.

HALIFAX-JAMAICA SERVICE.

A monthly service between Halifax and Jamaica has been contracted for by the Dominion Government with the Halifax and West India Steamship Co. The company will receive a subsidy of $1,150 a trip, or $13,800 per annum for 12 trips. The steamer Beta is the vessel to be put on the route. Her registered tonnage is 1,037.

CATALOGUES, BOOKLETS, ETC.

CATALOGUE OF A RIFLE FIRM.

The different styles of rifles and shotguns, made by the Marlin Fire Arms Co., New Haven, Conn., together with parts of their mechanism, and the different types of shells and shell loading apparatus are described and illustrated in a handsome catalogue of 120 pages. These repeating rifles are made of the best materials and in many ways are superior weapons in that they have few parts, are easy to handle, shoot accurately, and are light of weight. Their solid top prevents rain or snow from entering into their mechanism and their side ejection prohibits shells being thrown into the face of the operator and never allows an ejected shell to break into the line of sight. These rifles are made of various calibres from .22 to .45 and several different styles of cartridges can be used. Their repeating shotguns are also widely used. This catalogne can be had by any of our readers writing to this firm, mentioning HARDWARE AND METAL.

A FIRE IN TORONTO JUNCTION.

Early on Sunday morning, May 11, fire broke out in the store of Edwin R. Rogers, general hardware merchant, Toronto Junction. The varnish and oil room in the rear of the main store was where the blaze started, and before long the room was a mass of fire and smoke.

An alarm was quickly sent in, the firemen responding instantly, and, owing to their good work, the flames were soon got under control, but none too soon, for in a building adjoining a large quantity of oils, turpentine and gasoline was stored. Had these caught fire, the results would have been serious.

The damage was confined principally to the room in which the fire started, and is estimated to amount to between $1,500 and $2,000, fully covered by insurance in the British-American and Scottish Union Companies. The damage to the building is about $500 or $600, also covered by insurance.

Geo. H. Milne, will erect two brick dwellings on Wellington street, Hamilton, for Thomas M. Williamson, for $2,400.

THE **"GLOBE"** POLISH HAS COME TO **STAY** AND ALL **DEALERS** CAN STOCK IT WITHOUT HESITATION.

TRY "GLOBE" AND YOU WILL USE NO OTHER. IT IS THE BEST.

"GLOBE" METAL POLISH

Write for a supply of Showcards and Advertising Novelties.

—WE SHALL BE PLEASED TO ANSWER ALL ENQUIRIES.—

RAIMES & CO., 164 DUANE ST., NEW YORK CITY.

The Grey and Bruce Portland Cement Company of Shallow Lake, Limited,

Manufacturers of

"HERCULES" BRAND OF

Portland Cement

Unsurpassed for Sidewalks, Floors, and all work requiring the Highest Grade of Portland Cement.

HEAD OFFICE: OWEN SOUND.

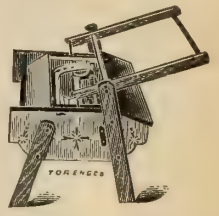


"DAISY" CHURN

Has tempered steel cased bicycle ball bearings, strongest, neatest and most convenient frame. Only two bolts to adjust in setting up. Steel Bow Levers, suitable for either a standing or sitting posture. Has four wheels and adjustable feet to hold stand steady while churning. When churn is locked to stand the bow can be used as handles to move it about on the front wheels as handy as a baby carriage. Open on both sides to centre, giving free space for pail. Made with wood or steel stands, with Cranks only, or Bow Levers as desired.

Vollmar Perfect Washer

Has a most enviable record. A perfection of its kind—will wash more clothes in less time, do it better and easier, with less wear and tear, than any other machine.



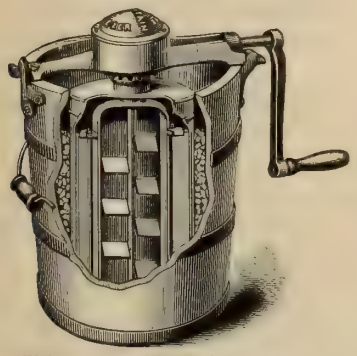
THE

Wortman & Ward Mfg. Co., Limited

LONDON, ONT.

Eastern Branch, 60 McGill Street, Montreal, Que.

It Pays the Dealer



Will freeze cream in 4 minutes.

TO HANDLE THE

White Mountain Freezer

BECAUSE

It is the best acting, best looking, strongest, most durable and best selling freezer manufactured.

There is not a weak point about it or a waste part to it.

It embraces all the good features to be found in all other freezers, and many more besides that are peculiar to itself.

SOLE AGENTS FOR CANADA:

THE McCLARY MANUFACTURING CO.,

London, Toronto, Montreal, Winnipeg, Vancouver, St. John, N.B.

CORDAGE

ALL KINDS AND FOR ALL PURPOSES.

Manila Rope	Lathyarn
Sisal Rope	Shingleyarn
Jute Rope	Bale Rope
Russian Rope	Lariat Rope
Marline	Hemp Packing
Houseline	Italian Packing
Hambroline	Jute Packing
Clotheslines	Drilling Cables
Tarred Hemp Rope	Spunyarn
White Hemp Rope	Pulp Cord
Bolt Rope	Lobster Marlin
Hide Rope	Paper Cord
Halyards	Cheese Cord
Deep Sealine	Hay Rope
Ratline	Fish Cord
Plow Lines	Sand Lines

"RED THREAD" Transmission Rope from the finest quality Manila hemp obtainable, laid in tallow.

CONSUMERS CORDAGE COMPANY, Limited

Western Ontario Representative—

WM. B. STEWART,
27 Front St. West, TORONTO.
Tel 94.

MONTREAL, QUE.

MANITOBA MARKETS.

WINNIPEG, May 12, 1902.

THE week has shown good business in nearly all lines, but without change of price. The complaint of inability to get stocks in fast enough continues. The disagreeable weather has retarded building somewhat, and also the threatened strike amongst several lines of mechanics connected with the building trade is having an effect, though it is now thought that these troubles may be gotten over without coming to a strike.

Paints, oils and glass are in fair demand and without change of price.

The situation in binder twine shows no change for the week; in fact, trade in twine is at a standstill here at present.

The price list for the week is as follows:

Barbed wire, 100 lb	$3 30
Plain twist	3 40
Staples	3 95
Oiled annealed wire, 10	3 85
" 11	3 90
" 12	3 95
" 13	4 10
" 14	4 25
" 15	4 35
Galvanized wire, 6 to 8 gauge	4 00
" 9 "	3 50
" 10 "	4 05
" 11 "	4 20
" 12 "	3 65
" 13 "	3 75
" 14 "	4 45
" 15 "	4 60
" 16 "	4 75
Wire nails, 30 to 60 dy, keg	3 25
" 16 and 20	3 35
" 10	3 35
" 8	3 45
" 6	3 50
" 4	3 65
" 3	3 90
Coil chain, 3-16 inch	10½
" ¼ inch	8¾
" 5-16 inch	5½
" ⅜ inch	5¼
" 7-16 inch	5
" ½ to ¾ inch	4¾
Cut nails, 30 to 60 dy	3 15
" 20 to 40	3 20
" 10 to 16	3 25
" 8	3 30
" 6	3 35
" 4	3 45
" 3	3 80
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to No 1	4 65
No. 2 and larger	4 40
Snow shoes, No. 0 to No. 1	4 90
No. 2 and larger	4 40
Steel, No. 0 to No. 1	4 95
No. 2 and larger	4 70
Bar iron, $2.70 basis.	
Swedish iron, $5.00 basis.	
Sleigh shoe steel	3 25
Spring steel	3 25
Machinery steel	3 75
Tool steel, Black Diamond, 100 lb	8 50
Jessop	13 00
Sheet iron, black, 10 to 20 gauge, 100 lb.	3 50
20 to 26 gauge	3 75
28 gauge	4 00
Galvanized American, 16 gauge	2 79
18 to 22 gauge	4 75
24 gauge	5 00
26 gauge	5 25
28 gauge	5 50
Genuine Russian, lb	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 75
26 gauge	8 00
28 gauge	8 50
Tinplate, IC charcoal, 20 x 28, box	11 00
" IX "	13 00
" IXX "	15 00
Ingot tin	33
Canada plate, 18 x 21 and 18 x 24	3 25
Sheet zinc, cask lots, 100 lb	7 00
Broken lots	7 50
Pig lead, 100 lb	6 00
Wrought pipe, black up to 2 inch	50 an 10 p.c.
" Over 2 inch	50 p.c.
Rope, sisal, 7-16 and larger	$13 50
" ⅜	14 00
" ¼ and 5-16	14 20
Manila, 7-16 and larger	17 00
" ⅜	17 55
" ¼ and 5-16	18 00
Solder	18
Cotton Rope, all sizes, lb	17
Axes, chopping	$ 7 50 to 12 00
" double bitts	12 00 to 18 00
Screws, flat head, iron, bright	87½
Round " "	82½
Flat " brass	80
Round " "	75
Coach	57½ p.c.
Bolts, carriage	50 p.c.
Machine	50 p.c.
Tire	60 p.c.
Sleigh shoe	65 p.c.
Plough	40 p.c.
Rivets, iron	50 p.c.
Copper, No. 8	26
" No. 12	30
Bluestone, cask lots	$5 50
Spades and shovels	40 p.c.
Harvest tools	60 p.c.
Axe handles, turned, s. g. hickory, doz.	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 75
No. 1	1 25
Files common	70, and 10 p.c.
Diamond	60
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	30 p.c.
" military	15 p.c.
American R.F.	30 p.c.
C.F. pistol	5 p.c.
C.F. military	10 p.c. advance.
Loaded shells:	
Eley's soft, 12 gauge black	16 50
chilled, 12 gauge	18 00
soft, 10 gauge	21 00
chilled, 10 gauge	23 00
Shot, Ordinary, per 100 lb	6 25
Chilled	6 75
Powder, F.F., keg	4 75
F.F.G.	5 00
Tinware, pressed, retinned	75 and 2½ p.c.
" " plain	70 and 15 p.c.
Graniteware, according to quality	50 p.c.

PETROLEUM.

Water white American	25½ c.
Prime white American	24c.
Water white Canadian	22c.
Prime white Canadian	21c.

BINDER TWINE.

Sisal and Standard f.o.b. Winnipeg	$ 11⅝
Manila, 550 feet	12⅞
Manila 600 feet	14⅛
Pure Manila	15⅝
Five-ton lots ⅛c. less per lb., and carlots ¼c. less.	

SCRAP.

No. 1 cast iron	$13 to $14 per ton
No. 2 "	5 to 6 "
Wrought iron scrap	5 "
Copper (heavy)	7c. per lb.
Yellow brass (heavy)	8c. "
Light brass	5c. to 6c. "
Lead pipe, or tea lead	2c. to 2½c "
Zinc scrap	1c. "

PAINTS, OILS AND GLASS.

Turpentine, pure, in barrels	$ 80
Less than barrel lots	85
Linseed oil, raw	85
Boiled	88
Lubricating oils, Eldorado castor	29
Eldorado engine	28½
Atlantic red	29½
Renown engine	41½
Black oil	20
Cylinder oil (according to grade)	55 to 74
Harness oil	65
Neatsfoot oil	90
Steam refined oil	85
Sperm oil	2 00
Pure castor oil, East India	11
Lubricating	10
Glass, single glass, first break, 16 to 25 united inches	2 50
26 to 40 per 50 ft.	2 75
41 to 50 " 100 ft.	6 00
51 to 60 " " "	6 50
61 to 70 per 100-ft. boxes	7 00
Putty, in bladders, barrel lots per lb.	2½
kegs "	2¾
White lead, pure per cwt.	6 50
No. 1 "	6 00
Prepared paints, pure liquid colors, according to shade and color, per gal.	$1.30 to $1.90

TINPLATE GOING OVERLAND TO BRITISH COLUMBIA.

The Province, Vancouver, B.C.

IT is not the usual practice to bring large consignments of tinplate to this coast by rail across the continent, but at the present moment there is a shipment of 1,000 tons somewhere between this city and New York, and it is expected here at an early date. Heretofore tinplate has crossed the continent from New York, but the consignments have been small rush orders, and no comment was excited.

Another peculiarity about the shipment now en route is the fact that it will be laid down in Vancouver at less cost than was the consignment of 1,000 tons recently brought by the China Mutual liner Yangtsze, Lest it be thought that the above statement is foolish, it becomes necessary to explain that the tinplate was bought in Liverpool at the bottom notch of a falling market. Prices have risen, and the tinplate recently landed in this port was bought either on the rising market or before the drop, and laid down here by steamer travelling via the Suez Canal, it cost more than that which is now coming by rail. According to the latest quotations tinplate bought now would cost $4.10 per box of about 108 lb. delivered in Vancouver.

The consignment of tinplate now crossing the continent must have been purchased very cheaply, when it is considered that the freight overland is 60s. and by steamer the cost of transportation is but 35s. from Liverpool to this coast.

The overland consignment is coming to the order of A. L. Russell. Upon arrival it will be distributed among the various canneries on the British Columbian coast.

WIRE NAILS
TACKS
WIRE

Prompt Shipment.

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

The
WATSON FOSTER CO.
LIMITED
MONTREAL



SILVER MEDAL
PARIS 1900
CHICAGO 1893

WALL PAPERS

A CONSIDERATION
OF IMPORTANCE

TO THE DEALER.

THERE MUST BE MANY OF OUR SUCCESSFUL COLORINGS IN YOUR STOCK NOW REDUCED TO A FEW ROLLS.

BEFORE THEY DISAPPEAR FROM PRINT WOULD IT NOT BE WISE TO SORT UP SOME —WHILE WE HAVE THE ABILITY TO SUPPLY, AND REMEMBERING THAT SEVERAL MONTHS WILL ELAPSE BEFORE ANY NEW GOODS CAN BE OBTAINED?

—OR—

IF YOU DESIRE ADVERTISING SUGGESTIONS AND MATERIAL WE WILL PLACE OUR BEST EFFORTS AT YOUR SERVICE

May 1902

MACHINERY AND ELECTRICAL SUPPLY DEPARTMENT

ELECTRIC RAILWAY IN SWITZERLAND.

UNDER date of April 3, Henry H. Morgan, the United States Consul at Aarau, Switzerland, writes: "The old fashioned diligence which up to the present has been the means of transportation between the smaller towns and villages of Switzerland, which are off the lines of railway, is being rapidly superseded by electric railways, and the day is not far distant when most of the towns of the country will be so connected. A short time ago, an electric line was opened connecting Aarau with Schoftland, a distance of about 10 miles. Until the opening of this line, the time consumed in making the journey (by diligence), was one hour and ten minutes. Now, including several stops at villages along the line, the time occupied is 40 minutes.

A company is seeking a concession for a line from Aarau to Menziken, on the border of the Canton of Lucerne, and this will be joined by a line running from the city of Sursee northward, thus making an electric tramway connection for a distance of about 30 miles. Still another line is projected to run from Aarau to Frick—a most important plan, as it will place Aarau in direct communication with Laufenburg, Sackingen, and other towns in the Rhine Valley. The length of this line will be also about 30 miles.

The power to be used by these different roads will be derived from the waterfalls of the country.

Under date of April 22, Mr. Morgan refers to the efforts in Sweden to replace steam by electricity on the railways. He notes that the Maschinenfabrik Oerlikon, a firm of Switzerland, which has petitioned the Swiss Government for a concession to construct a line of 20 kilometers (12.4 miles) of standard-gauge electrical railway for experimental purposes, has agreed to furnish a Swedish company, free of all charge, the necessary electrical engines and motors for the trials in Sweden, provided said company would furnish the electrical force.

MEN OF WEALTH AS INVENTORS.

In an article on wealthy men who have become noted as inventors, Scientific American says that perhaps the most widely-known rich inventor is Cornelius Vanderbilt. Most newspaper readers have learned merely that he is the patentee of a locomotive boiler of some peculiar construction. Exactly what the peculiarity of this construction is, perhaps only the readers of technical papers know. As a matter of fact, the main feature of the invention consists in a firebox made cylindrical in cross section and having its rim corrugated in a transverse direction; the firebox being located eccentrically within a firebox section inclined to the horizontal, to reduce the water space below the firebox line at the back end, the forward end being submerged to a less extent than the rear, to increase the effective heating surface for a rapid generation of steam. So efficient is this improved construction, that the Vanderbilt boiler is used by the principal roads throughout the country. In 1900 six locomotives were built at the Baldwin Works equipped with Vanderbilt boilers, in 1901 23 were in use on various railroads. Mr. Vanderbilt has not stopped with the invention of a firebox. He has also devised a new type of locomotive-tender which is now in practical use: a process of making truck-bolsters, brake-beams, etc.; a draft-gear; a car-truck, and a tank-car which is now widely used. The annual royalties accruing from these various inventions are substantial and must represent a handsome amount.

Col. John Jacob Astor likewise finds time to invent new machinery. Several years ago he patented a pneumatic road-cleaning machine; and only a few weeks ago he received a patent for a novel turbine which is to be used primarily for the propulsion of steamers.

Both Mr. Astor and Mr. Vanderbilt have devoted their attention exclusively to industrial invention. Mr. P. Cooper Hewitt, on the other hand, has branched out in the field of electricity and physics. At a conversazione held last year at Columbia University, and at a recent meeting of the American Society of Electrical Engineers, his mercury vapor lamp was exhibited the practical combination of research in a new field in electro-physics. Turning his attention to the manufacture of glue, with which the name of his inventive and philanthropic grandfather, Peter Cooper, is associated, he devised noteworthy improvements in apparatus and means for glue making, among which may be mentioned a glue-manipulating machine, a process of purifying glue, a glue-stock cutter and feeder, an evaporator, and a drier. Besides these, the long catalogues of his inventions includes a condenser, a spring-tire, a centrifugal machine, an apparatus for aerating liuqids, an apparatus for manufacturing beer, a sheet spacer, and a leaf for flybooks. Mr. Hewitt has for the past few years bent his energies principally to the perfection of the above-mentioned vapor lamp, which bears his name and for which he has taken out a score or more of patents.

Like his brother, Mr. Edward R. Hewitt has also devised improvements in glue-making, among which is a preparation of glue-stock for boiling. In the fields of physics and mechanics he has also come forward as an inventor. Several years ago he patented a new method of printing photographs in color, and recently began a series of researches in those branches of engineering with which the names of Sadi-Carnot and Dr. Maynard are linked.

Still other well-known wealthy inventors are David Wolfe Bishop, Anson P. Stokes, jr., and Clarence G. Dinsmore. Mr. Bishop, as one might infer from the prominent part that he has taken in the development of automobilism in America, has been concerned chiefly with improving the motor carriage. Mr. Stokes has invented an ingenious apparatus for playing golf indoors. Mr. Dinsmore has patented a tire-removing and replacing device, and has applied for a patent on a pneumatic-tire protector.

Incomplete though this list may be, it serves to indicate a serious purpose on the part of some of our young men of wealth, which is sure to be highly commended.

ELECTRICAL APPLIANCES ON TRAINS.

George Westinghouse, according to an exchange, has stirred up what may prove to be a hornet's nest in pointing out certain dangers which, in his opinion, should be guarded against in the fitting of trains with electrical apparatus. Mr. Westinghouse says: "It is not very apparent how the e dangers can be guarded against. A lifelong experience, however, in connection with safety appliances upon railroads has caused me to view the subject from quite a different standpoint

Bargains in Second Hand Machinery.

LATHES.

60 x 20 Wilmarth trip. grd., very heavy.
49 x 14 Fitchburg Plain turning C. R. & P. C. F.
48 x 21 Harrington trip. grd., C. R. & P. C. F.
42 x 19 and 20 Fish, trip. grd.
30 x 15 Fish C. R. & P. C. F.
30 x 14 Nicholson & Waterman, C. R. & P. C. F.
27 x 8′ 6″ D. W. Pond, C. R. & P. C. F., good.
27 x 18 Lodge & Shipley, C. R. & P. C. F.

XXX SCREW MACHINES.

2″ Cleveland auto, A1.
Lot of No. 1 and No. 2 P. & W. hand.
No. 0, No. 1 and No. 2 P. & W. double turret, auto.
20 x 7 Fay & Scott, univ.
21 x 7 Lodge & Davis monitor.
15 x 6 Jones & Lamson turret.

SHAPERS.

24″ Walcott shifting belt.
24″ Hendey frict.
15″ Prentiss frict.
Lot of travelling head shapers, different sizes.

PLANERS.

51 x 50 x 18 second-hand planer, 1 hd., good.
30 x 30 x 10 Flather.
30 x 30 x 8 L. W. Pond, 3 hds , good as new.
24 x 24 x 6 Powell, 1 hd., good.

DRILLS.

6′ arm univ. radial, heavy pattern.
Pond Machine Tool Co.'s radial drill.
Pond Machine Tool Co.'s heavy suspension, A1.
4′ arm Betts radial.
40″ Gleason upright, B. G & P. F.
25″ Gould & E., B. G. & P. F., good.

MILLING MACHINES.

No. 3 Cincinnati univ., without head.
No. 2 Cin. plain with rotary and vert attach.
18 No. 2 P. & W. Lincoln pattern millers, good.
Heavy Pedrick & Ayer univ., all feed.
4 No. 2 B. & S. plain millers, good as new.
2 No. 1 B. & S. dittos.

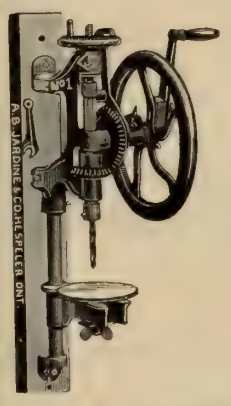
MISCELLANEOUS.

No. A ½ New Doty punch and shear, 9″ throat.
Lot of friction board drop hammers, 400 to 1,700 lb.
No. X 600 lb. P & W. drop hammer.
Small 100 lb. steam hammer.
200-ton vert. hydraulic press.

Also large stock of other tools. Send for complete list.

PRENTISS TOOL & SUPPLY CO.
115 Liberty St., NEW YORK, N.Y.

BUFFALO—507 D. S. Morgan Bldg.
BOSTON—200 Franklin St.
PITTSBURG—120 First Ave.
Address all inquiries to Dept. No. 5.



TRADE MARK J REGISTERED.

Blacksmiths' Hand Drills.

The very best.

A. B. JARDINE & CO.
HESPELER, ONT.

Hardware Men Sell Our Popular Lines

from Catalogues and Samples.

—WE MANUFACTURE—

Office and Bank Railings,
Wire Window Guards, Stable Fittings,
Roof Cresting, Fencing, Etc.
Specialties in Wire and Metal.

Our manufactures are wanted everywhere. We want a hardware firm in every town to act as our selling agents. Write for particulars and catalogues.

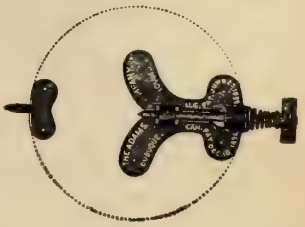
The Dennis Wire and Iron Co.,
LONDON, ONT.

DIAMOND STOVE PIPE DAMPER AND CLIP.



U. S. Patent June 25th, 1895.
Canadian Pat. Dec. 13th, 1894.

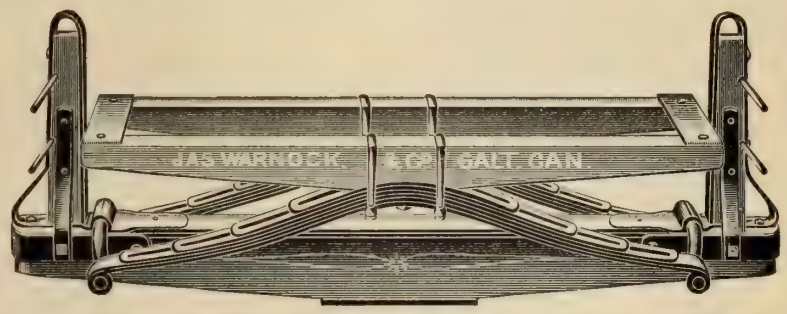
Sold by Jobbers of - - -
HARDWARE
TINWARE
and STOVES,
for furnace pipe, to support the sheet steel blade.



Manufactured by THE ADAMS COMPANY, Dubuque, Iowa, U.S.A.
A. R. WOODYATT & CO., Guelph, Ontario.

"The Peerless"

is the best Bolster Spring ever produced. A fine line for the hardware trade. Write Us For Prices.



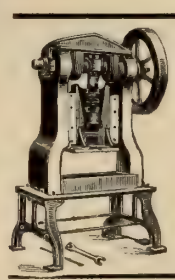
James Warnock & Co. = Galt, Ont.

WE ARE MAKING PROMPT SHIPMENTS OF

No. 9 Coiled Spring or Plain Galvanized Wire

Also of Barb or Plain Twist, from stock. Our prices are right. Let us quote you. Look up the agency of the London Fence Machine. The only complete and up-to-date machine on the market for weaving Coil Spring Wire Fence. We are closing the agencies of different sections every day, so don't lose any time in writing us.

THE LONDON FENCE MACHINE CO., Limited,
LONDON, CANADA.



G. A. Crosby & Co. of Ontario,

SARNIA, ONT. LIMITED

Manufacturers of

Patent Automatic Can Making Machinery, Presses, Dies and Special Machinery for Working Sheet Metal.

STANYON ENGINEERING CO.

402 McKINNON BUILDING,
Phone Main 2177. TORONTO

CONTRACTING AND CONSULTING ENGINEERS.

Steel Works, all kinds of Rolling Mills, Wire Mills, etc., all built complete. Machinery designed for any purpose

GENERAL OFFICES, PITTSBURG, Pa.

from that usually taken, especially by inventors and promoters, and in some cases by manufacturers of electrical apparatus, who evidently dislike to emphasize the dangers attending the application of such electrical machinery beneath the ordinary combustible cars now generally in use and the utilization of which has been contemplated in order to keep down the total cost of installation.

"I believe a further useful purpose will be served by particularizing some of the dangers to be guarded against in the fitting of trains with electrical apparatus.

"1. A great advantage of electric traction is the possibility of a much higher speed. This, however, while not extending the vision of the engineer in charge of the apparatus, will require a greater distance within which to stop the train.

"2. When many tons of electrical apparatus are distributed beneath several cars of a train, and of necessity more or less loosely supported, and between which and the rails and roadbed there is but a small clearance, it is evident that much greater precautions will have to be taken than is ordinarily the case with the running gear of the present steam cars, derangements in which have often been the cause of accident.

"3. Electrical apparatus supported beneath the car can develop, by means of a short circuit, heat energy sufficient to ignite cars of wood construction, and this has occurred repeatedly, notwithstanding the presence of safety appliances, intended to guard against such occurrences.

"4. When a total wreck results from an accident, and experience has shown that accidents are inevitable, whatever the mode of propulsion, the debris scattered over the 'live' and other rails would render useless the ordinary circuit controlling devices which may be located upon the cars. This emphasizes the importance of a non-combustible construction of cars."

SECOND-HAND MACHINERY.

In another column our readers will note the advertisement of The Prentiss Tool and Supply Co., of New York, offering some genuine bargains in second-hand metal working tools. This is one of the most reliable firms in the business, and customers can, with every confidence, trust them in regard to descriptions. Many of these machines are, for all practical purposes, just as good as the day they were turned out, and at the prices they are offered it is no misnomer to call them "bargains." Ask for their quotations if you are wanting metal working machinery; they will most assuredly interest you.

TO MAKE CARS.

The Nova Scotia Steel and Coal Co. have decided to manufacture railway cars and are going to extend their works at Trenton, N.S. This will mean an expenditure of over $1,000,000. The Trenton car works will have a capacity of over 10 cars per day, using in their construction about 150 tons of steel. The estimated weight of plates, angles and other steel used in the construction of an ordinary freight car is not less than 30,000 lb.

The new plant will be equipped at first with machinery for the building of only ordinary wooden-box cars, but eventually a plant will be installed for the manufacture of steel cars.

A HEAT-DETECTING MACHINERY-PAINT.

Machinery suffers, perhaps, as much from overheating as it does from general wear. In order to indicate when the moving parts have become excessively heated, a German inventor has devised a paint composed of an amalgam of the iodides of mercury and copper—a composition which, he claims, will turn color when heated bearings to which it is applied are red in color under normal conditions. But when a temperature of 140 degrees Fahr. is reached, the paint turns black.

AN ELECTRIC LIGHT COMPANY.

The Cumberland, B.C., Electric Lighting Co., Limited, has been incorporated with a capital of $25,000 divided into 2,500 shares of $10 each to establish an electric light system at Cumberland.

VICTORIA MACHINERY DEPOT.

An industry of Victoria, B.C., that is rapidly assuming large proportions is the Victoria Machinery Depot. This firm was established 16 years ago by Joseph Spratt and Andrew Gray, and has grown ever since until now over 100 hands are employed. Six years ago the business passed under the control of Andrew Gray, who was succeeded in 1899 by The Victoria Machinery Depot as at present organized. The present value of the plant is about $100,000 and the annual pay roll amounts to about $60,000.

The company has lately decided to construct a marine railway on four water lots recently purchased, and it will be capable of handling all sized vessels up to 2,500 tons. About $50,000 will be expended on this work.

At present this concern is at work on the Venture, a steamer of about 650 tons tonnage, a steamer for river service on the Skeena river for The Hudson's Bay Co., 100 feet in length; three boilers for a new smelter at Osborne Bay; a 17-ton boiler for a tug, the St. Clair, and two submarine launches for the War Department, which will cost about $50,000.

TELEPHONES ON TRAINS.

An experiment is now being made by the Chicago and Northwestern Railroad on the new Overland express which will be watched with much interest both by railroadmen and the public at large. The express in question is equipped with telephones, which connect not only the several cars, but can be connected with local and long-distance wires at any station along the line. If this experiment proves successful the company will probably install a service, which will enable passengers to telephone from a moving train.

ALUMINUM SAW HANDLES.

Aluminum saw handles are being introduced which are said to be both lighter and stronger than those of wood. There are several shapes, but they are all made of thin sheet metal worked into the desired form and supplied with perforations for the purpose of enabling workmen to get a secure hold of the tool. One of the designs offered is adjustable so that the righthand side of the handle is flush with the saw, permitting the operator to work close to the floor or in other inconvenient places.

The McLachlan-Joy Electric Co. and McLachlan Gasoline Engine Co. will occupy their new premises, 201 Queen street east, about the 25th of May. They have secured much larger shops and intend greatly increasing their manufacturing capacity.

A CASE OF NECESSITY.

"My son," said the parson to a small boy who was digging in a back lot, "don't you know that it is a sin to dig on the Sabbath, except in a case of necessity?" "Yes, sir," replied the youngster. "Then, why don't you stop it?" asked the good man. "'Cause this is a case of necessity," replied the young philosopher. "A feller can't fish without bait."—Chicago Daily News.

A WORD OF APPRECIATION

Mr. H. Macaulay, proprietor of "The Ark," Chatham, Ont., an old subscriber, in renewing his subscription to HARDWARE AND METAL, says: "I always feel that I am getting good value for my money when paying my subscription to your paper."

John Bowman

HARDWARE & COAL CO.

LONDON, ONT.

Our stock of goods for the spring trade is now complete, and we can fill all orders promptly on the following lines :

Wire, Nails, Cordage, Window Glass, White Lead, Paints, Whiting, Churns, Linseed Oil, Spades and Shovels, Screen Doors, Wove Wire, Poultry Netting, Builders' Hardware, Guns and Sporting Goods. Finest stock in the Province of Cutlery.

Prompt Shipment. Prices Right.

DOMINION WIRE MANUFACTURING CO.

Limited

MONTREAL and TORONTO.

WE ARE

WIRE DRAWERS of all kinds of **Bright, Coppered, Brass and Copper Wires.**

GALVANIZERS of Wires for Telegraph, Telephone, Staples, Fencing and other purposes.

TINNERS of Broom, Whisk, Mattress, Bottling and Tinman's Wires.

We are Manufacturers of . . .



Wire Nails, Wood Screws, Bright Goods, Jack Chain, "Crescent" Hat and Coat Hooks, Door Pulls and Cotter Pins

"DOMINION"

GOODS ARE THE BEST. BE SURE YOU GET THEM.

Locks and Builders' Hardware.

We have a most complete line of all these goods, including the very newest ideas in

Bronze and Brass Knobs, Door Sets and Escutcheons.

LOCKS AND LATCHES OF ALL KINDS.

Any dealer asking for a catalogue will be sent full prices, discount sheets, etc., etc. Drop a card.

ESTABLISHED 1843. INCORPORATED 1893.

THE Gurney-Tilden Co., LIMITED

Hamilton. Toronto. Montreal.

AGENCIES:—ST. JOHN, N. B., VANCOUVER, B. C.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

Montreal, May 16, 1902.

HARDWARE.

BUSINESS in hardware is still active, though now that the trade have received their supplies to a great extent, the hurry to deliver goods which characterized the wholesale trade a short time ago is over, and the trade is steadier, and, as a whole, more satisfactory to all concerned. The steamboats are still taking heavy cargoes up the canals and also to the lower ports. Prices on practically all lines of general hardware have been steady, poultry netting, which has advanced, being the only notable exception. New lists have been issued on builders' hardware, in which chisels, padlocks and a few lines of cabinet locks show an advance of about 10 per cent. Lawn mowers, shears, etc., have been moving very well. Ice-cream freezers are also in excellent demand. Canadian-made rotary door bells have advanced 50c. per dozen.

SCYTHES.—There is no change to report in this market. Scythes of all grades continue to move rapidly. We quote: Lance, No. 80, $5.50; Hurd's Clipper, $6.50; concave, $7.50; Sibley, $8.50; Cradle scythes, cast steel, $8.50; silver steel, $9.50; "Harvest King," $10.50. Bush scythes, $6.50.

BARB WIRE.—The demand for barb wire is still good. The market is much better supplied now, several large shipments having been received. The price is $3 per 100 lb. f.o.b. Montreal.

GALVANIZED WIRE.—Trade is fair, and our quotations are now as follows: Nos. 6, 7 and 8 gauge, $3.45; No. 9, $2.80; No. 10, $3.55; No. 11, $3.65; No. 12, $2.95; No. 13, $3.05; No. 14, $4.05; No. 15, $4.55; No. 16, $4.80; No. 17, $5.20; No. 18, $5.45.

SMOOTH STEEL WIRE.—There is a moderate inquiry for this, but no improvement can be reported over last week's trade. We quote as follows: Bright iron and annealed on a base of $2.60 per 100 lb. f.o.b. Montreal, Toronto, Halifax, London, Hamilton and St. John. Net extras per 100 lb. are as follows: Coppered wire, 60c.; tinned wire, $2; oiling, 10c.; spring wire, $1.25; best steel wire, 75c.; bright soft drawn, 15c.; special hay-baling wire, 30c.

FINE WIRE.—Trade in this line continues rather slow. The discount is 22½ per cent.

BRASS AND COPPER WIRE.—There is only a fair demand for these. Both wires are discounted at 60 per cent.

FENCE STAPLES.—The movement in this market is still heavy. We quote: Bright, $2.90 per 100-lb. keg; galvanized, $3.25. An extra of 25c. is charged for 25 and 50-lb. packages.

WIRE NAILS.—Trade continues fairly good this week at unchanged prices. Quotations are as follows: $2.55 for small lots and $2.50 for carlots f.o.b. Montreal, London, Hamilton, Toronto, Gananoque, Brantford, Windsor, Ont., St. John and Halifax.

CUT NAILS.—There is a good demand. Our quotations are now as follows: $2.45 per keg, in small lots, and $2.37½ per keg, in carlots. The discount on flour barrel and coopers' nails is 40 per cent. Three inch cut nails are not in very good supply at present.

HORSE NAILS.—The market is not as active as it has been. Discounts are as follows: "C" brand, 50 and 7½ per cent. off; "M" brand, for "Oval" and "New City" heads, 60 per cent. off, and for "New Countersunk" heads, 66 2-3 per cent. off. "Monarch" horse nails are also discounted at 66 2-3 per cent.

HORSESHOES.—Trade in horseshoes has also fallen off, the rush being over for the season. Quotations are: Iron shoes, light and medium pattern, No. 2 and larger, $3.50; No. 1 and smaller, $3.75; snow shoes, No. 2 and larger,

Summer Goods that Sell Together.



TRIPLE Sauce Pans
Tin and Enamel

Will cook a whole meal over one cooking hole.

Saves Gas.

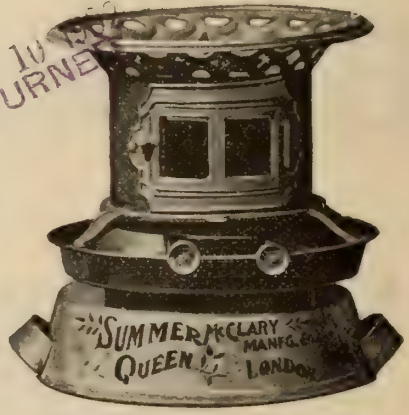
"DANGLER" BLUE-FLAME OIL STOVE.



No. 431.

Made with one, two, and three burners and step.

The latest and best oil stove made.



"SUMMER QUEEN" OIL STOVE.

Can be supplied with extension top if desired.

Guaranteed to work as well as any Oil Stove of its size made.

Novelty Steel Ovens. "Model" and "Leonard" Refrigerators

The McClary Manufacturing Co.,

LONDON, TORONTO, MONTREAL, WINNIPEG, VANCOUVER, AND ST. JOHN, N.B.

"Everything for the Tinshop"

ENGLISH
GERMAN
BELGIAN
CANADIAN
AMERICAN
} PORTLAND CEMENTS.

FIRE
BUILDING
ENAMELLED
SILICA
MAGNESIA
} BRICKS.

DRAIN
CULVERT
} PIPES.

F. HYDE & CO.
31 WELLINGTON ST., MONTREAL

. . FULL STOCK . .
Salt Glazed Vitrified
SEWER PIPE
Double Strength Culvert Pipe a Specialty.
THE CANADIAN SEWER PIPE CO.
HAMILTON, ONT. TORONTO, ONT.
ST. JOHNS, QUE.

Deseronto Iron Co.
LIMITED
DESERONTO, ONT.
Manufacturers of
CHARCOAL PIG IRON
BRAND "DESERONTO."
Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

"MIDLAND"
BRAND
Foundry Pig Iron.
Made from carefully selected Lake Superior Ores, with Connellsville Coke as fuel, "Midland" will rival in quality and grading the very best of the imported brands.
Write for Prices to Sales Agents
Drummond, McCall & Co.
or to MONTREAL, QUE.
Canada Iron Furnace Co.
MIDLAND, ONT. Limited

$3.75; No. 1 and smaller, $4.00; X L steel shoes, all sizes, 1 to 5, No. 2 and larger, $3.60; No. 1 and smaller, $3.85; feather-weight, all sizes, $4.85; toe weight, steel shoes, all sizes, $5.95 f.o.b. Montreal; f.o.b. Hamilton, London and Guelph, 10c. extra.

SCREWS.—Trade has continued to improve, and the movement during the past week has been heavy. The discounts are as follows: Round head bright, 82½ and 10 per cent.; flat head bright, 87½ and 10 per cent.; brass, round heads, 75 and 10 per cent.; brass, flat heads, 80 and 10 per cent.

BOLTS.—These are selling rapidly at steady and unchanged prices. We quote as follows: Norway carriage bolts, 55 per cent.; common, 50 per cent.; full square carriage bolts, 55 per cent.; machine bolts, 50 and 5 per cent.; coach screws, 66 2-3 per cent.; sleigh shoe bolts, 65 and 5 per cent.; blank bolts, 50 and 5 per cent.; bolt ends, 50 and 5 per cent.; plough bolts, 50 and 5 per cent. To any retailer an extra discount of 10 per cent. is allowed. Tire bolts, 67½ per cent.; stove bolts, 67½ per cent. Nuts, square, 3½ per lb. off list; hexagon nuts, 3¾c. per lb. off list. To all retailers an extra discount of ¼c. per lb. is allowed.

BUILDING PAPER.—The demand for building paper continues active, and there is no change to report in price. We quote: Tarred felt, $1.70 per 100 lb.; 2-ply ready roofing, 85c. per roll; 3-ply, $1.10 per roll; carpet felt, $2.25 per 100 lb.; dry sheathing, 30c. per roll; tar sheathing, 40c. per roll; dry fibre, 50c. per roll; tarred fibre, 60c. per roll; O K and I X L, 65c. per roll; heavy straw sheathing, $30 per ton; slaters' felt, 60c. per roll.

CORDAGE.—No change in prices is reported this week. The market keeps active and steady, and our quotations are as follows: Manila, 16c.; British manila, 14½c.; sisal, 13c.; lathyarn, 11½c. Prices on binder twine are as follows: Blue Ribbon, 650 feet to the pound, 15c. Redeat, 600 feet to the pound, 14c.; Tiger, 550 feet to the pound, 13c.; Standard, 500 feet to the pound, 11¼c sisal, 500 feet to the pound, 11½c. Prices are subject to a rebate of ¼c. in carload lots.

RIVETS AND BURRS.—There has been a better demand this week than last, and a fairly good business is doing. We quote: Best iron rivets, section, carriage, and wagon box, black rivets, tinned do., coopers' rivets and tinned swedes rivets, 60 and 10 per cent.; swedes iron burrs are quoted at 55 per cent. off; copper rivets, with the usual proportion of burrs, 45 and 10 per cent. off, and coppered iron rivets and burrs, in 5-lb. carton boxes, are quoted at 60 and 10 per cent. off list.

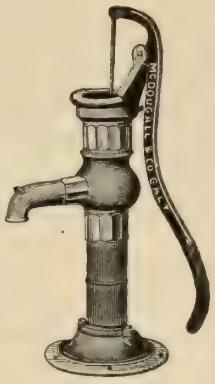
SCREEN WIRE CLOTH.—The market is active and steady. The price is $1.37½ per 100 square feet.

POULTRY NETTING.—The discount on 2 x 2 mesh, 19 wire, has been changed to 50 and 10 per cent. instead of 60 per cent., and that on heavier wire is now 50 per cent. instead of 55 per cent. We quote: Canadian or English, 2 x 2 mesh, 19 wire, 50 and 10 per cent.; 2 x 2 mesh, heavier wire, 50 per cent. Canadian list used.

HARVEST TOOLS.—The market is fairly active. There has been no change in the discount, which remains at 60 per cent.

FIREBRICKS.—There has been no

IRON
STEEL
AND
METALS
Close prices to wholesale buyers.
Sanderson's Steel in stock.
A. C. LESLIE & CO.
MONTREAL.

THE R. McDOUGALL CO., Limited,
GALT, ONT.
Manufacturers of

Iron and Brass
PUMPS
FOR ALL SERVICES.
FORCE PUMPS,
LIFT PUMPS,
CISTERN PUMPS,
HAND OR POWER PUMPS
OF ALL KINDS.
Catalogue for the asking.
OUR MOTTO: "The best quality and right prices."

ADAM HOPE & CO.
Hamilton, Ont.
We offer for prompt shipment
Pig Tin,
L. & F. and STRAITS.
Ingot Copper, O.C.
Pig Lead.
Spelter.
Antimony.

NOVA SCOTIA STEEL & COAL CO., Limited
NEW GLASGOW, N.S.
Manufacturers of
Ferrona Pig Iron
And SIEMENS MARTIN
OPEN HEARTH STEEL.



Your Faith

will be as strong as ours if you try a sample order of **Elastilite Varnish.** And ours is so strong we guarantee every tin of it we put up.

This protects both you and your customer.

MANUFACTURED ONLY BY

The Imperial Varnish & Color Co. LIMITED

Toronto, Ont., Canada.

Canadian Agents for Buehne's "Red, White and Blue" Brand Steel Wool.

YOU ARE FACE TO FACE WITH A SERIOUS PROBLEM

when you come to determine whether your business shall be done on cheap goods or on true, honest, fair-priced goods.

"Ark Brand" Paint

is not cheap—but fair-price. It will assist you in building up trade. Cheap stuff will work the other way. Your customers remember quality—they forget price.

If we have not an agency established in your town write to us and we will give you our terms.

THE FRANCIS-FROST CO. Limited

TORONTO.

Canadian Distributing Agents for Grippin's Crack Filler.

change to report in this market. Supplies have come in from abroad, and the demand is fair.

CEMENT.—The inquiry for cement is no more than moderate. Several shipments have now arrived. We quote: German cement, $2.30 to $2.40; English, $2.25 to $2.35; Belgian, $1.70 to $1.95 per bbl. ex-wharf, and American, $2.20 to $2.30 ex-cars.

METALS.

The local metal market has been fairly steady throughout the week. The demand for most lines is good, and a lot of English metals which have arrived provide a sufficient supply. Some houses have made an advance of 10c. in toecalk steel.

PIG IRON.—There is still a good demand and the market is steady, though firm. We quote: Canadian, $18.50 to $19, and Summerlee, $21.50 to $22.

BAR IRON.—The difficulty in obtaining sufficient supplies of the small sizes still exists, though the general supply is increasing. Merchants' bar is worth $2, and horseshoe iron, $2.20.

BLACK SHEETS.—These are moving out well. Several shipments have been received this week. Quotations are: 28 gauge, $2.65; 26 gauge, $2.60; 20 to 24 gauge, $2.50, and 8 to 20 gauge, $2.50.

GALVANIZED IRON.—The market is somewhat easier owing to arrivals of galvanized iron from abroad. We quote: No. 28, Queen's Head, $4.40; "Bell" brand, $4.30; Apollo, 10¾ oz., $4.40; Comet, $4.25, with 10c. extra for less than case lots.

INGOT COPPER.—The market is firmer. Trade is only fair; the price remains at 14c.

INGOT TIN.—There is a somewhat easier feeling in this market, though prices are well maintained. Straits are quoted at 31c.

PIG LEAD.—There has been no change. The market is quiet, and the price is $3.25.

LEAD PIPE.—Trade is still very good at the prices quoted. Composition waste sells at 7½c., and ordinary, 7c. The discount is 37½ per cent.

IRON PIPE.—There has been no change. Jobbers are keeping up the prices all round. Our quotations are as follows: Black pipe, ⅛, $3; ¼, $2.40; ⅜, $2.65; ½, $3; ¾, $3.70; 1-in., $5.25; 1¼, $7.40; 1½, $8.90; 2-in., $12.40. Galvanized, ¼, $3.20; ⅜, $3.45; ½, $4; ¾, $5.05; 1-in., $7.25; 1¼, $10.10; 1½, $12.15; 2-in., $16.70. Extra heavy pipe, plain ends, are quoted, per 100 ft., as follows: Black, ¼, $4.35; ⅜, $5.30; 1-in., $7.60; 1¼, $10.60; 1½, $12.70; 2-in., $17.45. Galvanized, ¼, $5.35; ⅜, $6.70; 1-in., $9.60; 1¼, $13.30; 1½, $15.95; 2-in., $21.75. For threads and couplings 5 per cent. is added.

TINPLATES.—The demand has not materially improved. We quote: Charcoal tinplates, $4.75 to $5.25 per box, and cokes, $4.25 per box.

CANADA PLATE.—The arrivals of Canada plate have eased the market off a little. There is a good demand. We quote as follows: 52's, $2.70 to $2.80; 60's, $2.85 to $2.90; 75's, $2.80 to $2.85; full polished, $3.75, and galvanized, $4.25 to $4.35.

STEEL.—There is still an active inquiry. The price of toecalk steel has been advanced by Montreal houses 10c. Our quotations are as follows: Sleighshoe, $2.10; tire, $2.15; bar, $2.05; spring, $2.85; reeled machinery, $2.85; toecalk, $2.70.

SHEET STEEL.—There has been an improvement in the market during the week, and a fair inquiry is now experienced at steady prices, which follow: Nos. 10 to 20, $2.50; 3-16, $2.50; ¼, 5-16 and ⅜, $2.40.

TOOL STEEL.—Trade is quiet and the market is unchanged. Jessop's is worth 13c.; Diamond, 8c., and Leonard's, 7½c.

TERNE PLATES.—There is not much doing in this line. The price remains at $7.75 to $8.

COIL CHAIN.—Business has not improved. The market is quiet and prices are unchanged. Quotations are as follows: No. 6, 12½c.; No. 5, 10½c.; No. 4, 10c.; No. 3, 9½c.; ¼-inch, 7¼c. per lb.; 5-16, $5; 5-16 exact, $5.25; ⅜, $4.25; 7-16, $4.05; ½, $3.95; 9-16, $3.85; ⅝, $3.55; ¾, $3.50; ⅞, $3.45; 1-inch, $3.45. In carload lots an allowance of 10c. is made.

SHEET ZINC.—New goods are now in, and the demand has improved. The price is $5.85 to $6.25.

ANTIMONY.—There has been no change in this market. The inquiry is light, and the price remains at 10c.

ZINC SPELTER.—The market is reported somewhat firmer. A moderate demand keeps up, and the price is 5c.

SOLDER.—The market is active. Bar solder sells for 18c. and wire, 20c.

PAINTS AND OILS.

Turpentine is back again to its price of two weeks ago. This has been looked for by operators on this market, who have considered the market to be gradually strengthening. The feeling all round is much better. One firm report paying last week a higher price than they have at any other time this year. In linseed oil there has been no quotable change. Shipments have arrived, but they are not in such quantity that any reduction of price is anticipated, and the demand is very heavy. White lead has been going off in large quantities, and the stock which was ground during the winter months is rapidly being reduced. Red lead, which has been anxiously looked for for some time has now been landed at this port, and back orders are being cleared off. Structural paints are in great demand, and manufacturers making a specialty of oxides and graphites are pushed to their utmost capacity. There is nothing new in paris green. Dry colors are unchanged in price; the volume for shipment is about the same as last year. Ready-mixed paints are in active demand. Putty has so far been somewhat scarce, but with the arrival of fresh stocks of whiting and the greater supplies of linseed oil, heavy shipments of putty are now being made. Varnishes continue to be extremely firm, and gums are still high. We quote:

WHITE LEAD.—Best brands, Government standard, $5.87½; No. 1, $5.50; No. 2, $5.12½; No. 3, $4.75; No. 4, $4.37½ all f.o.b. Montreal.

DRY WHITE LEAD.—$5.25 in casks; kegs, $5.50.

DRY WHITE ZINC.—Pure dry, 6¼c.; No. 1, 5¼c.; in oil, pure, 7¼c.; No. 1, 6¼c.; No. 2, 5¼c.

PUTTY.—We quote: Bulk, in bbls., $1.90 per 100 lb.; bulk, in less quantity, $2.05; bladders, in bbls., $2.25; bladders, in 100 or 200-lb. kegs or boxes, $2.40; in tins, $2.55 to $2.65; in less than 100-lb. lots, $3 f.o.b. Montreal, Ottawa, Toronto, Hamilton, London and Guelph. Maritime Provinces, 10c. higher, f.o.b. St. John and Halifax.

ORANGE MINERAL.—Casks, 7c.; 100-lb. kegs, 7¼c.; smaller quantities, 8¼c.

RED LEAD.—Genuine red lead, in casks, $4.50; in 100-lb. kegs, $4.75; in less quantities, $5.75 per 100 lb. No. 1 red lead, casks, $4.25; kegs, $4.50, and smaller quantities, $5.50.

LITHARGE.—Ground, casks, 5c.; less quantities, 5½c.; flake litharge, casks, $5.25; smalls, $5.75 per 100 lb.

LINSEED OIL.—Raw, 80c.; boiled, 83c. In 5 to 9 barrels, 1c. less. Terms, net cash in 30 days. Delivered in Ontario, between Montreal and Oshawa, at 2c. per gallon advance, and freight allowed.

TURPENTINE.—Single barrels, 70c.; 2 to 4 barrels, 69c. Terms, net cash in 30 days.

SHELLAC VARNISH.—Pure white, $2.35 to $2.45; orange, $2.25 to $2.35.

MIXED PAINTS.—$1.20 to $1.45 per gallon.

CASTOR OIL.—8¾ to 9¼c. in wholesale lots, and ½c. additional for small lots.

SEAL OIL.—47½ to 49c.

COD OIL.—32½ to 35c.

PARIS GREEN.—Petroleum, bbls., 16¾c. per lb.; arsenic kegs, 17c.; 50 and 100-lb. drums, 17½c.; 25-lb. drums, 18c.; 1-lb. packages, 18½c.; ½-lb. packages, 20½c.; 1 lb. tins, 19½c.; ½-lb. tins, 21½c. f.o.b. Montreal. Terms: 3 per cent. 30 days, or four months from date of delivery.

SCRAP METALS.

There is a fair business passing in scrap metals. Iron is in greater supply, and prices paid for No. 1 wrought are $1 per ton lower. Heavy red brass is worth ½c. less. Our quotations are as follows: Heavy copper and wire, 11c. per lb.; light copper, 8c.; heavy red brass, 10½c.; heavy yellow, 9c.; light brass, 5c.; lead, 2⅞ to 2¾c.; zinc, 2½c.; iron, No. 1, wrought, $16; No. 2, $7 per ton; machinery scrap, $16; stove plate, $12; malleable and steel, $5; mixed country rags, 60 to 70c. per 100 lb.; old rubbers, 6½c. per lb.

GLASS.

The expected shipments of glass have now arrived and the market is well supplied. The jobbers are now busy making deliveries. There is but a small demand. We quote: First break, 50 feet, $2.10; second, $2.20 for 50 feet; first break, 100 feet, $4; second break, $4.20; third break, $4.70; fourth break, $4.95.

HIDES.

There is still an upward tendency in the hide market, notwithstanding the present high prices. Beef hides are quoted ½c. higher and prices on lambskins are very irregular, going as high as 15c. in some cases. There is a good deal of competition on the market, and tanners are buying in small lots only, merely for immediate requirements. We quote: No. 1 hides, 9 to 9½c.; No. 2, 8c.; No. 3, 7c. No. 1 calfskins, 12c.; sheepskins, 70c.; lambskins, 10c. per lb.

MONTREAL NOTES.

Turpentine is 2c. higher.

Poultry netting has gone up.

Heavy red scrap brass is ½c. lower.

Toecalk steel has been advanced 10c.

American chisels, padlocks, and some cabinet locks are about 10 per cent. higher.

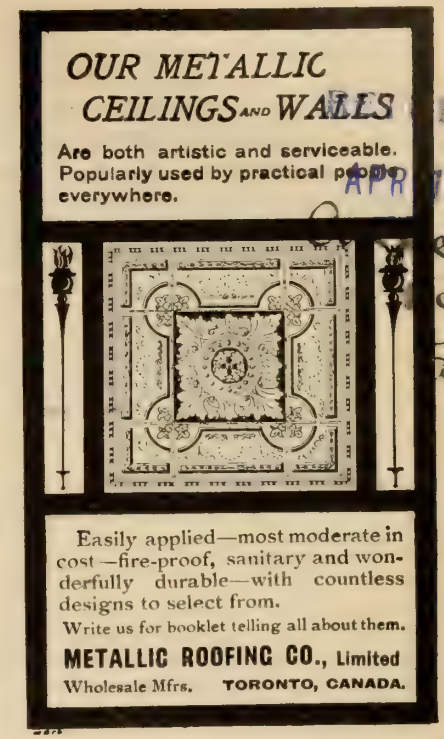
No. 1 wrought scrap iron is $1 per ton lower.

ONTARIO MARKETS.

TORONTO, May 16, 1902.

HARDWARE.

TRADE has considerably improved and the prices are steady. The advance in poultry netting of last week has been sustained. The difficulty in procuring certain lines of goods from the manufacturers is as great as ever. All iron and steel mills in the United States are filled up with orders for months ahead, and it appears as if the present condition of affairs will be unaltered for some time to come. A number of advance sorting-up orders have come in and this is keeping business brisk. The demand is improving in screen doors, window screens, forks, hoes, rakes and scythes, and the movement in wire nails is good. The demand for black and galvanized iron pipe continues steady and the market is strong, several United States manufacturers being behind with their orders.



BARB WIRE—Trade is about the same as it was last week, and the prices continue steady. We quote: F.o.b. Cleveland, $2.77½ for less than carlots, and $2.65 for carlots. From stock, Toronto, $3.

GALVANIZED WIRE—In plain galvanized wire there is a good demand. We quote as follows: Nos. 6, 7 and 8, $3.50 to $3.85 per 100 lb., according to quantity; No. 9, $2.85 to $3.15; No. 10, $3.60 to $3.95; No. 11, $3.70 to $4.10; No. 12, $3 to $3.30; No. 13, $3.10 to $3.40; No. 14, $4.10 to $4.50; No. 15, $4.60 to $5.50; No. 16, $4.85 to $5.35. Nos. 6 to 9 base f.o.b. Cleveland are quoted at $2.52½ in less than carlots and 12c. less for carlots of 15 tons.

SMOOTH STEEL WIRE—There is a fair business doing, and prices are about the same as before. We quote the base price, $2.60 per 100 lb. Oiling, 10c.; coppering, 60c., and tinning, $2 per 100 lb. extra. Delivery points, Toronto, Hamilton, London and Montreal, with freights equalized on those points.

FINE STEEL WIRE—The demand is fair. The discount is 22½ per cent.

WIRE NAILS—Trade still continues to keep up in wire nails. The demand is mostly for small lots. Quotations are: $2.55 for less than carlots, and $2.50 for carlots. Delivery points, Toronto, Hamilton, London, Gananoque and Montreal.

CUT NAILS — Trade is quiet and prices are unchanged. The base price is still quoted at $2.45 per keg, and an allowance of 7½c. per keg is made on carlots.

HORSE NAILS—The demand is slack and the following are the discounts: "C" brand, oval head, 50 and 7½ per cent., and on "M" and other brands, 50, 10 and 5 per cent. Countersunk head 60 per cent.

HORSESHOES—Business remains about as quiet as it was a week ago. We quote f.o.b. Toronto: Iron shoes, No. 2 and larger, light, medium and heavy, $3.60; snow shoes, $3.85; light steel shoes, $3.70; featherweight (all sizes), $4.95; iron shoes, No. 1 and smaller, light, medium and heavy (all sizes), $3.85; snow shoes, $4; light steel shoes, $3.95; featherweight (all sizes), $4.95.

PRESSED SPIKES—The demand is only fair and the discount remains unchanged at 22½ per cent.

SCREWS—There is a good steady trade in screws. Discounts are: Flat head bright, 87½ and 10 per cent.; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.; round head bronze, 65 per cent., and flat head bronze 70 per cent.

RIVETS AND BURRS—The demand continues to increase and the prices are firm, but unchanged. We quote as follows: Iron rivets, 60 and 10 per cent.; iron burrs, 55 per cent.; copper rivets, with usual proportion of burrs, 45 and 10 per cent.; copper burrs alone, 30 and 10 per cent.

BOLTS AND NUTS—Owing to a scarcity of bar iron prompt shipment is impossible. We quote as follows: Carriage bolts, common ($1 list), 50 per cent.; carriage bolts, full square ($2.40 list), 55 per cent.; carriage bolts, Norway iron ($3 list), 55 per cent.; machine bolts, all sizes, 50 and 5 per cent.; coach screws, cone points, 66⅔ per cent.; elevator, shaft and whiffletree bolts, 50 per cent.

ROPE — The trade in rope continues fair and the prices are unaltered. We quote: Pure manila, 16c.; British manila, 14½c.; sisal, 13c.; lathyarn, 12c.; sisal bed cord, 3 cord, 48 ft., 65c.; 60 ft., 80c.; 72 ft., 95c. per doz.

BINDER TWINE — Business still remains only moderate, but there is a firm feeling in the market sustaining the recent advance. We quote as follows: "Blue Ribbon," 650 ft., 15c.; "Red Cap," 600 ft., 14c.; "Tiger," 580 ft., 13c.; sisal, 500 ft., 11½c.

SASH CORD—The prices are steady, with a slow demand.

TWINE—No. 3 ply cotton wrapping twine is still quoted at 18½ and 19c., the advance of last week being sustained.

SAD IRONS—The demand for sad irons is fair. Mrs. Potts sad irons are quoted at 70c. per set for polished and 75c. for nickel-plated.

EAVETROUGH, ETC.—For eavetrough and conductor pipe there continues to be a good demand at unchanged prices. Eavetrough is quoted at $3.10 per 100 feet for 10-inch, and conductor pipe at $4 for 3-inch and $5.25 for 4-inch.

SCREEN DOORS AND WINDOWS—Trade has improved during the week. Common doors, 2 or 3 panel, are quoted f.o.b. factory points as follows: Walnut, stained, 3-in. style, $6.80 per dozen; stained, yellow, $7; natural color, oil finish, $8.15; 4 in. style, 20c. extra per dozen. Windows: No. 0, $1.60; No. 1, $1.70; No. 2, $1.95; No. 3, $2.10; No. 4, $2.50 per dozen.

SPADES AND SHOVELS—The demand for spades and shovels is improving. The discount is unchanged at 40 and 5 per cent.

HARVEST TOOLS—There is a fair trade doing, but the scarcity of malleable "D" goods continues. Discount 60 per cent.

BUILDING PAPER—The demand continues fair. We quote: Dry sheathing, grey or straw, 30c. per roll; tar sheathing, grey or straw, 40c. per roll; dry fibre, 50c. per roll; tarred fibre, 60c. per roll.

LAWN MOWERS—Business has improved with the advancement of spring and the prices are unchanged. The discount is 50 per cent. on high-wheeled lawn mowers, "Star" mowers, 9 in. wheels, $2.25 to $3; "Daisy" mowers, 17-in. wheels, $2.25 to $2.50.

POULTRY NETTING—As the season continues to advance trade keeps falling off.

GREEN WIRE CLOTH—Business continues about the same as last week with a good sorting-up demand. Prices are quoted at $1.30 per 100 square feet.

TINWARE AND ENAMELLED WARE — There continues to be a brisk business being done at steady prices.

REFRIGERATORS AND FREEZERS — Quite a number of refrigerators and ice cream freezers have been sold.

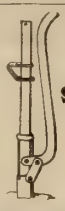
GAS AND OIL STOVES—The demand is good with the approaching of warm weather.

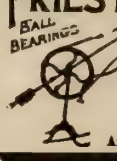
STOVES — The sales in stoves for future delivery continue good.

SPORTING GOODS—There is a good trade doing for this time of the year.

CEMENT — There has been a brisk demand for cement during the week and the market is steady. We quote: Canadian Portland, $1.90 to $2.75; Canadian hydraulic, $1.25 to $1.50; German cement, $3; English, $3 to $3.15; Belgian, $2.50 to $2.75 per bbl., and American, $2.20 to $2.30 ex cars.

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.
'WELLINGTON' KNIFE POLISH
JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
Wellington Mills, London, England.
Agent:
JOHN FORMAN, 644 Craig Street
MONTREAL

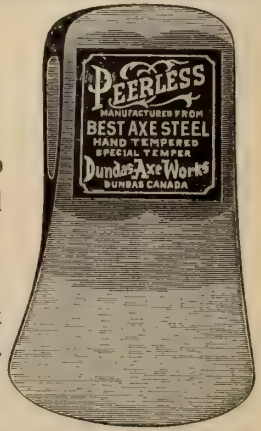

COVERT MFG. CO.
West Troy, N.Y.
Steel Carriage and Wagon Jacks,
Harness Snaps, Chain, Rope and Web Goods, etc.
FOR SALE BY JOBBERS AT MFRS. PRICES.

PRIEST'S CLIPPERS


Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., U.S.A.

NEWMAN'S PATENT
INVINCIBLE FLOOR SPRINGS
Combine all the qualities desirable in a Door Closer. They work silently and effectually, and never get out of order. In use in many of the public buildings throughout Great Britain and the Colonies.
MADE SOLELY BY
W. NEWMAN & SONS, Birmingham.

Oneida Community Goods
HALTERS, COW TIES SNAPS, etc., etc.,
in all sizes and styles. May be had of all jobbers throughout Canada.
Factory—NIAGARA FALLS, ONT.

A RECORD
Out of 6,000 Axes sold under guarantee in 1901 we did not have six returned broken.


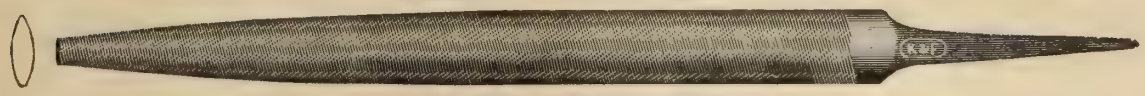
Dundas Axe Works, Dundas, Ont.
W. L. Haldimand, Jr., Montreal Agent.

THE NICHOLSON FILE CO.,

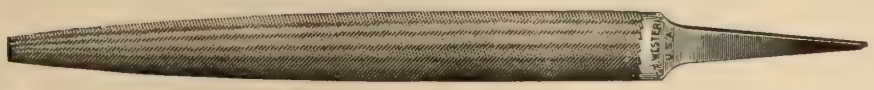
DOMINION WORKS, PORT HOPE, CANADA.

FILES and RASPS

KEARNEY & FOOTE BRAND



GREAT WESTERN BRAND



AMERICAN BRAND



ARCADE BRAND



GLOBE BRAND



J. BARTON SMITH BRAND



The largest manufacturers in the world.

We manufacture the well-known brands of Cast-steel Files and Rasps shown herewith, all of which are warranted for high-class material and superior workmanship.

Our goods are now sold in the four quarters of the globe, command the highest prices, and have won for themselves an enviable reputation, acquired as the result of many years' experience.

Walter Grose, Montreal,

Selling Agent for the Dominion of Canada.

One or other of the above brands may be purchased from all prominent Hardware Merchants throughout the Dominion who carry an assorted stock.

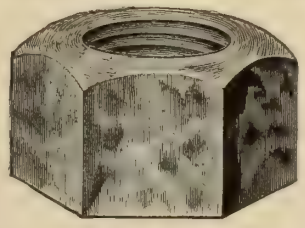
METALS.

There is a great scarcity in all grades of pig iron in the United States, and this scarcity is being felt here. Although there has been no quotable change over the prices of a week ago, the market is still on the upward turn, and both basic and Bessemer are in good demand and the prices for each are about the same. For next year's delivery manufacturers are holding both basic and Bessemer at very high figures. Business in nearly all kinds of metals keeps up fairly well and pig tin has advanced $2 per 100 lb.

PIG IRON—The market continues bare of supplies and the prices are very firm. The advances in the United States have not been so large as they were a week ago and what is on hand is held for future delivery at high figures. There have been advances in some classes of pig iron of from 50c. to $1 per ton.

BAR IRON — The demand has improved and the market is strong. The local supplies are smaller than they were a week ago. We quote $1.95 to $2.05 base. Extras cut to length while rolling: 2 ft. and over, 10c. per 100 lb.; 1 ft. and under 2 ft., 15c.; under 1 ft. 20c.; over 20 ft. by special agreement, according to length and size.

STEEL—The supplies are scarce, but the market is not particularly active. The prices are unchanged. We quote as follows: Merchantable cast steel, 9 to 15c. per lb.; drill steel, 8 to 10c. per lb.; "B C" and "Black Diamond" tool steel, 10 to 11c.; Jessop's, Morton's and Firth's tool steel, 14c.; toe calk steel, $2.85 to $3; tire steel, $2.30 to $2.50; sleighshoe steel, $2.10 to $2.25; reeled machinery steel, $3; hoop steel, $2.90.



THE JOHN MORROW MACHINE SCREW COMPANY, Limited

Manufacturers of

Set and Cap Screws, Special Milled Work, Engine Studs, Etc. Cold Punched Nuts of every variety of finish.

INGERSOLL, ONT.

BOILER TUBES — The market is still strong for boiler tubes and the demand is keeping the supplies on hand light.

BLACK SHEETS—There is a fair trade doing. We quote: Common, $3.15 for 28 gauge; and dead flat, $2.50 for 26 gauge.

CANADA PLATES — These are in better demand. We quote: All dull, $3; half polished, $3.10; all bright, $3.75.

GALVANIZED SHEETS — Trade continues good and prices are unchanged. We quote in case lots as follows: Queen's Head, $4.50 for 28 gauge; American, $4 40 for 29 gauge; Bell brand, $4.20 for 28 gauge.

PIG TIN—The strength in the outside markets has resulted in an advance of $2 locally per 100 lb. Trade is brisk. We quote prices at $32 to $33 per 100 lb.

TINPLATES—There has been an improvement in the demand and the local market is in a fair condition. We quote I C, 14x20, at $4 25.

TINNED SHEETS—There is still a good trade doing. We quote: 70 x 30, up to 24 gauge, 7½c.; ditto, up to 26 gauge, 8c.

COPPER—The English copper market is steadier, and the new prices are commencing to harden. The local demand for ingot copper is good, and a continued improvement in the market for sheet copper is noted. We quote ingot at $14 per 100 lb., and sheet copper at $22 to $23.

BRASS—The demand is fair. The discount is unchanged at 15 per cent.

PIG LEAD—The market is steady with a fair demand. The quotations are $3.50 to $3.75 for pig and $5 for bar lead.

IRON PIPE—Trade continues fair with a good demand from the west. We quote per 100 ft.: ¼-in., $2.40; ⅜-in., $2.65; ½-in., $2.85; ¾-in., $3 65; 1 in., $5.20; 1¼-in., $7.35; 1½-in., $8 95; 2-in., $12.55; galvanized, 1-in., $7.20. Trade discount 4 per cent.

ZINC SPELTER—The demand is moderate. We quote $5.50 to $6.

ZINC SHEET—There is a good demand for zinc sheet at unchanged prices. We are quoting cask lots at $6 to $6.25, and part casks at $6 25 to $6.50.

SOLDER—The market is steady and trade is fair. We quote: Half-and-half, guaranteed, 19c.; do. commercial, 18½c.; refined, 18c.; wiping, 17½c.

ANTIMONY—The demand is fair and prices are unchanged at $9.50 per 100 lb.

PAINTS AND OILS.

The features of this week's market are the advances in linseed oil and turpentine of 1c. and 2c. each per gal., respectively. The linseed oil market has been strong, owing to the advances in Great Britain and the scarcity of oil in Toronto and elsewhere, and the present advance was not unexpected. The turpentine market has been firm, and the appreciation of 2c. here is in sympathy with a similar appreciation in the Southern States. Nothing definite is known about the turpentine situation there, and the prices may decline again in a week or so. Locally, the trade in paints and oils during the week has been fair. White leads and dry colors are active. Varnishes are firm and in good demand. Shingle stains are selling freely, and large quantities of them are being used this year. Castor oil is slow, and the demand for it has not yet been large. Paris green is quiet. We quote:

WHITE LEAD—Ex Toronto, pure white lead, $5.87½; No. 1, $5.50; No. 2, $5.12½; No. 3, $4.75; No. 4, $4.37½ in packages of 25 lb. and upwards; ½c. per lb. extra will be charged for 12½-lb. packages; genuine dry white lead in casks, $5.12½.

RED LEAD—Genuine, in casks of 560 lb., $5 to $5.12½; ditto, in kegs of 100 lb., $5.50; No. 1, in casks of 560 lb., $4; ditto, kegs of 100 lb., $4 50.

LITHARGE—Genuine, 6 to 6½c.

ORANGE MINERAL—Genuine, 7½ to 8c.

WHITE ZINC—Genuine, French V.M., in casks, $6 to $6.25; Lehigh, in casks, $6.

SHINGLE STAIN—In 5-gal. lots, 60c. to $1.20 per gal.

BENZINE—In barrel lots, 17c. per gal.; less quantities, 25c. per gal.

PARIS WHITE—90c. to $1 per 100 lb.

WHITING—65c. per 100 lb.; Gilders' whiting, 80c.

GUM SHELLAC—In cases, 35c.; in less than cases, 40c. per lb.

LIQUID SHELLAC—Pure orange, in bbls., $2 25 to $2.35; white, $2.35 to $2.45 per gal.; in less quantities, 10c. extra.

PUTTY—Bladders, in bbls., $2 25; bladders, in 100 lb. kegs, $2.40; bulk in bbls., $1.90; bulk, less than bbls. and up to 100 lb., $2.05; bladders, bulk or tins, less than 100 lb., $2 90.

PLASTER PARIS—New Brunswick, $1.90 per bbl.

PUMICE STONE—Powdered, $2.50 per cwt. in bbls., and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in bbls.

LIQUID PAINTS—Pure, $1.20 to $1.40 per gal.; No. 1, $1.10 per gal.

CASTOR OIL—English, in cases, 9½ to 10c. per lb. and 10 to 10½c. for single tins.

LINSEED OIL—Raw, 1 to 2 barrels, 83c.; boiled, 86c.; 3 to 5 barrels, raw, 82c.; boiled, 85c.; 6 to 9 barrels, raw, 80c.; boiled, 83c.; 10 to 60 barrels, raw, 78c.; boiled, 81c., delivered. To Toronto, Hamilton and London, 2c. less.

TURPENTINE—Single barrels, 71c.; 2 to 4 barrels, 70c., delivered. Toronto, Hamilton and London 1c. less. For less quantities than barrels, 5c. per gallon extra will be added, and for 5-gallon packages, 50c., and 10-gallon packages, 80c. will be charged.

GLASS.

The demand continues brisk and the prices are firm. We quote as follows: Under 26 in., $4.45; 26 to 40 in., $4.65; 41 to 50 in., $5.10; 51 to 60 in., $5.35; 61 to 70 in., $5.75; 71 to 80, $6.25; 81 to 85, $7; 86 to 90, $7.75; Toronto, Hamilton and London. Terms, 4 months, or 3 per cent. 30 days. Discount off pane price list, 33⅓ per cent.

OLD MATERIAL.

There is a good trade doing, and prices are steady. The warm weather is increasing the receipts. We quote as follows: Heavy copper and wire, 10¼c. per lb.; light copper, 8c. per lb.; heavy red brass, 10c.; heavy yellow brass, 8 to 8½c.; light brass, 5c.; lead, 2¼ to 2½c.; scrap zinc, 2¼ to 2½c.; iron, No. 1 wrought, $14.50 per net ton; No. 2 wrought, $6; machinery cast scrap, $14; stove plate, $10; malleable and steel, $6; old rubbers, 6c. per lb., and country mixed rags, 50c. per 100 lb.

HIDES, SKINS AND WOOL.

HIDES—The scarcity of hides is still felt. The demand for them is good. We quote: No. 1 green, 7½c.; No. 2 green, 6½c.; No. 1 green, steers, 8½c.; No. 2 green, steers, 7½c.; cured, 8½c.

SKINS—The receipts of sheep and lambskins are small. We quote: No. 1 calfskins, 10c.; and No. 2, 8c.; deacons (dairies) 60 to 70c. each; sheepskins, 80c. to $1; lambskins, 20 to 25c.

WOOL — There is scarcely any trade doing. We quote: Fleece wool, 12½c., and unwashed, 7c. per lb.

SEEDS.

The season is nearly over and the demand is slack. We quote out of store at Toronto: Red clover, $6.50 to $9; alsike, $10 to $16, and timothy, $7.80 to $8.25.

COAL.

The arrivals of soft and hard coal have been large, and there is a heavy stock on hand. We quote prices at international bridges as follows: Grate, $4.75 per gross ton; egg, stove and nut, $5 per gross ton; soft coal, $2.50 to $3.25 in bond.

PETROLEUM.

There is a fair demand and the market is steady. We quote: Pratt's Astral, 17 to 17½c. in bulk (barrels extra); American water white, 17½ to 18c. in barrels; Photogene, 17 to 17½c.; Sarnia water white, 16½ to 17c. in barrels; Sarnia prime white, 15 to 15½c. in barrels.

MARKET NOTES.

Pig tin has advanced $2 per 100 lb.

Turpentine has advanced 2c. per gal.

Raw and boiled linseed oils have advanced 1c. per gal.

FIFTY YEARS AGO.

The following is from The Toronto Globe of 50 years ago:

It is proposed to construct a substantial new suspension bridge at the Falls for the use of the Great Western and the other railway companies, whose lines will meet at that point on both sides of the river. It is not intended that trains of passenger carriages shall pass over it, but only baggage and freight cars, slowly propelled by horses or stationary engines. It is supposed that travellers would prefer to walk over, and, with a great deal of reason, too.

The business on the Ottawa may be looked upon now as having fairly commenced. On Monday last 14 cribs of white pine passed through the North Chaudiere slide. Apropos, speaking of timber, we understand that several parcels of white pine have changed hands among the merchants in Quebec at 8d. per foot.

We observe that a ship direct from China with teas for Messrs. Gibb & Ross has arrived at Quebec.

NAILS
Right Prices
Quick Shipments
Quality Guaranteed
Also
STAPLES
Write, Telegraph or Telephone
Page Wire Fence Co.
Limited
Walkerville, Ontario

American Steel & Wire Co.

New York: Empire Building. Montreal: New York Life Building. Chicago: The Rookery.

BARB WIRE. GALVANIZED PLAIN WIRE.
PLAIN TWIST CABLE FENCING.

Telegraph and Telephone Wire, Mattress, Broom, Weaving Wires of every description, Rail Bonds, Bale Ties, Special Wires for all purposes. Springs, Horse Shoes, Wire Rope, Cold Drawn Steel Shafting.

RICHARD JOHNSON, CLAPHAM & MORRIS, Ld., Manchester AND LIVERPOOL, ENG.

CABLE ADDRESS—"Metallicus," Manchester.
CODES USED—ABC, A1, Liebers and Private Code.

Manufacturers and Metal Merchants

GALV'D SHEETS
GALV'D CANADAS
BLACK SHEET IRON
BLACK CANADAS
Range & Furnace SHEETS

TINPLATES, TERNES
TINNED SHEETS
PIG TIN, PIG LEAD
WIRE NETTING
GALV'D BARB WIRE



WAREHOUSE LEVER STREET

MONTREAL OFFICE: Messrs. Copland & Co., Imperial Buildings.

HALIFAX OFFICE: Messrs. Grant, Oxley & Co, 68 Pedford Row.

HOW THEY CAME OUT



RETURNED
MAR 30 1901

They came out all right!
So does anyone who uses the genuine

AMERICAN or GEM
Spring Hinges

In use nearly forty years and noted for great durability and correct workmanship.

Please write to
LAMPLOUGH & McNAUGHTON, De Bresoles Street, MONTREAL, QUE.
Canadian Agents

Sole Manufacturers
The Columbian Hardware Company, COE and HAMILTON STREETS, Cleveland, Ohio

HEATING AND PLUMBING

THE SITUATION IN MONTREAL.

THE plumbers' strike in Montreal has not taken on any new features. A few of the master plumbers who at first held out are said to have yielded, but there are still a large number of employers who are resolved to stick to their original position.

The master plmbers issued a statement explaining their position, in which they said: "We have no objection to employing union men, but if the union cannot supply us with enough good men we want to employ others." As to the wages to be paid, they thought that from 17½ to 27½c. an hour was fair enough, and they were also willing to allow the 9-hour workday. They do object, however, to giving the full day's pay for work only commenced on a day, which is demanded by the unions. They declare that the men should be paid for so many hours in the day as the master may charge his customer.

Both masters and workmen are apparently satisfied with the way they are progressing under the strike. The former think they will be able to get along very well in a short time, as several outside men are coming into the city, while the journeymen declare that the strike will be ended by Saturday night. About 70 employers now hold out.

BUILDING IN TORONTO.

During the week building permits from the office of the city commissioner in Toronto have been issued as follows; Rowenak Smith, for a two-storey brick dwelling on the west side of Albany avenue, for $2,300; Dr. Bentley, for a two storey brick and stone addition to dwelling on the northeast corner of College and Markham streets, for $700; Mrs. Drohan, for alterations to dwelling on 57 Arthur street, for $400; S. Frame, for a two-storey brick residence on the south side of West Marion street, for $1,700; Consumer's Gas Co., Limited, for a one-storey boiler house on Parliament street, for $5,000; The Eby, Blain Co., Limited, for the erection of three additional storeys to warehouse on the south west corner of Scott and Front streets, for $10,000; City Corporation, for yards and cattle shed on Walnut avenue, for $11,500; Rev. A. Macfadyen, for a two-storey brick and roughcast dwelling on the south side of Danforth avenue, for $1,000; Consumer's Gas Co., Limited, for a large one-storey brick addition to premises on Front street east, near Parliament street, for $5,000; R. C. Clute, K. C., for a two-storey dwelling on 196 Bloor street west, for $5,000; William Apps, for a pair of two-storey brick dwellings on Albany avenue, for $5,000; Mr. Knowles, for a brick-clad dwelling on 29 Linden street, for $200; J. W. Hoover, for a brick-clad two-storey dwelling on 51 Edward street, for $600; Mark Dodson, for a two-storey roughcast dwelling on the south side of Regent avenue, for $450; S. Allsopp, for a two-storey roughcast addition to dwelling on 389 Givens street, for $400; Walter Bebbington, for a two-storey brick dwelling on 101 Summerhill avenue, for $800; Frank B. Poucher, for a pair of two-storey brick and roughcast dwellings on the south-west corner of Hamilton and Mountstephen streets, for $4 400; F. W. Baillie, for a two-storey brick stable on the north side of Crescent Road, for $5,000; Harry Barclay, for a one-storey wood and plaster addition to warehouse on 35 Shaftesbury avenue, for $300; E. Rush, for a two-storey and attic detached brick dwelling on 97 Lippincott street, for $2,100.

PLUMBING AND HEATING NOTES.

Fiddes & Hogarth, plumbers, etc., Toronto, have secured the contract for the plumbing of the summer residence of A. E. Ames, in East Toronto, and the plumbing of Geo. Pearson's summer residence at Centre Island.

Guest & Co., plumbers, Toronto, have secured the contract for the plumbing and gasfitting in connection with O'Leary's livery stable on Spadina Crescent.

A NEW PLUMBERS' ASSOCIATION.

The master plumbers of Sherbrooke, Que., have formed an association. They have drawn up a constitution and by-laws, and will be known as the Master Plumbers' Association of Sherbrooke and District of St. Francis. The officers elected were as follows:

President—J. Brown.
1st Vice-President—R. Sampson.
2nd Vice-President—Ed. Roy.
Secretary—W. Pilotte.
Treasurer—N. Labrecque.

The aim of the Association is to create and foster feelings of fraternity and social intercourse amongst the members of the craft and to promote some much needed sanitary improvements in the city.

BUILDING AT OTTAWA.

DURING the week the following building permits have been issued in Ottawa: The Ottawa Collegiate Institute, for a stone addition, for $22,500; C. W. Bangs, for a brick dwelling on Frank street, for $5,000; Andrew Kerr, for a frame dwelling on Division street, for $600; Andrew Kerr, for a frame dwelling on Andrew street, for $1,000; Alphonse Bolduc, for a brick-veneered dwelling on Murray street, for $1,200; Alex. Tibeau, for four brick-veneered dwellings on Henderson avenue, for $4,000; A. Laudels, for a double tenement house, frame, on Flora street, for $1,900; P. A. Vaillincourt, for an ironclad dwelling on St. Patrick street, for $900; Robert Davidson, for a brick-veneered dwelling on Henderson avenue for $1,000; D. V. Ranger, for alterations to hotel on York street, for $1,500; W. E. Calvert, for a brick-veneered dwelling on Bay street, for $1,100; A. F. Hurdman, for two brick-veneered dwellings on Henderson avenue, for $3,000; Mr. Woolcomb, for a solid brick addition to Ashbury College, Argyle avenue, for $2,000; John Brouse, for a brick shop and dwelling on O'Connor street, for $3,000; Jos. McVeigh, for a roughcast house on James street, for $1,000; J. H. Currie, for a brick-veneered dwelling on Henderson avenue, for $1,000; Michael Cunningham, for a frame dwelling on Mary street, for $200; A. E. Shaver, for a frame dwelling on Percy street, for $900; Mrs. D. Shielmacher, for a frame dwelling on Rochester street, for $500; S. J. Davis, for a double brick-veneered dwelling on Lorne avenue, for $2,600; Alex. Fleck, for a solid brick dwelling on Concession street, for $7,000; Mrs. Wooding, for a brick-veneered dwelling on Bank street, for $1,500; The Ottawa Gas Co., for a round brick building at gas works on King street, for $15,000, and J. Long, for a brick-veneered dwelling on Besserer street, for $1,200.

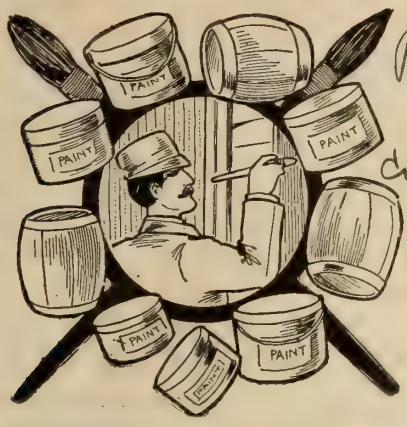
PLUMBING AND HEATING NOTES.

St. George, Guildbaut, Oulette and Desjardins, plumbers, Montreal, have registered.

Listowel, Ont., has carried a by-law for the construction of a sewage system in that town.

Blackmore & Morgan have started business as plumbers at 737 Pender street, Vancouver.

PAINT AND LEAD



Returned 20/5/03 Out Book 8 page 91

There's plenty of money in Paint and Lead if you get the right kind.

RAMSAY PAINTS pay, because they are the best paints at the best price, with the proper advertising to assist you, and we shall tell you all about it if you ask.

RAMSAYS EXTERIOR LEAD pays, because the painter must and will have lead, and here is a lead proved better than pure lead or any other make and cheaper than pure lead as well.

A. RAMSAY & SON
MONTREAL

PAINT MAKERS
EST'D 1842

Gas Fixtures

We make Attractive Fixtures in

GAS . . .
ELECTRIC
COMBINATION

Catalogues to the Trade.

The James Morrison Brass Mfg. Co., Limited
89-97 Adelaide St. West, TORONTO.

We Want Your Business

Our line of

Pipe Tools, and Pipes and Fittings

is second to none in the trade.

Prices right. **Exclusively high-class goods.**

Write us.

The Fairbanks Company

747 and 749 Craig Street, **Montreal**

SOME BUILDING NOTES.

A new school will be erected at Melita, Man.

A nurses' home is being erected at Hamilton.

A schoolhouse will be built at New Denver, Ont.

Mrs. Davis is erecting an hotel at North Augusta, Ont.

A. C. Thorburn will erect a residence at Niagara Falls, Ont.

George Cummings is building a brick block at Emerson, Man.

J. W. Woodworth is building a $7,000 brick block at Sydney, C.B.

J. J. Flannagan intends erecting a brick double house at Fort William, Ont.

John Duncan will erect a new residence and post office building at Thamesville, Ont.

A business block will be built at Owen Sound, Ont., by George Holmes and A. J. Creighton.

J. E. Earl is erecting a new building, and the Union Bank is building offices at Winchester, Ont.

C. P. Moore will erect a three-storey brick building at the corner of Charlotte and Pitt streets, Sydney, C.B.

A. N. McCutcheon is building a residence at the corner of Edmonton and Sargent streets, Winnipeg.

George Oakes will erect a building to be used as a fruit and confectionery store at Weymouth Bridge, N.S.

St. Stephen's Chapel at the corner of Atwater avenue and Dorchester street, Montreal, will be enlarged at a cost of $4 000.

BUILDING IN WINNIPEG.

Quite a number of buildings will be built this summer in Winnipeg. Amongst these is an apartment house of three storeys and a basement, and containing 12 suites of rooms, each suite having four or five rooms, a bathroom, lavatory, closet and pantries, and a storage larder in the basement. The building will be on the corner of Ellice avenue and Carleton streets. Three frame houses with stone foundations will be erected on Lily street for $7,000. A new three storey hotel, having large sample rooms, will be built at St. Jean Baptiste, and a new block is being finished on Main street for Wm. Guest, with a frontage of 22 ft. and a depth of 72 ft., and three storeys high. Besides the Canada Life Building, a block will be erected for Porter & Co., of pressed brick, and of four storeys and a basement. F. O. Maber will build a frame house on Neva street to cost $3,000 when completed.

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY, MONTREAL.

Buy the Best.



HERCULES

Sash Cord.

Star Brand Cotton Rope
Star Brand Cotton Clothes Lines
Star Brand Cotton Twine

For Sale by all Wholesale Dealers

WILLIAM ABBOTT
Agent for Manufacturers,
MONTREAL.

"NOVA STEEL" air hardening
Double speed, more than double work.



Up to date Grocers' Refrigerators,

Mineral Wool Filled, Eight Walls. Ask for prices from any dealer handling our household refrigerators, or write direct to us for descriptive catalogue and prices.

Ham & Nott Mfg. Co., Limited, Brantford, Ont.

FREE INSURANCE AGAINST FIRE
PLASBESTER
AGENTS WANTED IN EVERY TOWN.
the BEST ASBESTOS WALL PLASTER
Fire Proof
Frost "
Sound "
Will not crack.

LEADER CHURN

New Century Improvements

FOUR DIFFERENT STYLES:

A—Steel Frame with double reversible Steel Lever.
B—Wood Frame with double reversible Steel Lever.
C—Steel Frame with Crank.
D—Wood Frame with Crank.

Styles A and B may be operated from a sitting or standing position.

Steel Frames and Hoops beautifully ALUMINIZED.

All LEADER CHURNS are equipped with BICYCLE BALL BEARINGS and PATENTED CREAM BREAKERS.

Stands are so constructed that they are particularly strong and rigid, and there is nothing to interfere with the placing of pail in the most convenient position for draining off buttermilk.



It Pays to Have the Best. None are Better Than the Leader.

THE DOWSWELL MANUFACTURING CO., LIMITED, HAMILTON, ONT.

Eastern Agents: W. L. Haldimand & Son, Montreal, Que.

CUSSIN' — DISCUSSIN'

Dealers may avoid the former and have the satisfaction of hearing their customers discussing in terms of praise the goods that are right.

Always handle the best.

Satisfaction is assured if the Dowswell Manufacturing Co., Limited, are the makers of the goods you sell.



The New Century Washing Machine

This cut illustrates the latest and best machine for washing clothes yet invented.

Having strong spiral springs and ball bearings—the same as used in High-Grade Bicycles—very little effort is needed to do what with other means is hard work.

Nothing so easy—nothing so thorough—nothing less wearing on garments. It is perfection.

A customer says: "It has none but good points."

Another customer says: "It is a darling; washes a tubful in five minutes."

It is the **New Century Washer.**

Every Hardware Dealer should have them. They are not the cheapest, but are sellers, and will do all that is claimed.

The operator can positively do the work, and without effort, while seated, and the machine is enclosed, retaining heat and vapor.

The Dowswell Manufacturing Co., Limited,
Sole Manufacturers in Canada. **Hamilton.**

Brisk Business Builders

Every dealer who sells Lucas Famous Greens and Dry Colors adds to the reputation of his establishment. Lucas products are brisk business builders; and they hold trade too.

Reasons Why—

(1) Because Lucas Greens and Dry Colors are all time-tested products that are absolutely reliable. Their sale has been established for upwards of half a century. They are sold all over the civilized world.

(2) Because Lucas advertising is liberal, original and effective. It's the kind that interests consumers and moves the goods off the dealers' shelves. Write us.

JOHN LUCAS & CO.

Paint, Varnish and Color Manufacturers

NEW YORK *PHILADELPHIA* CHICAGO

Originators of the famous Lucas Greens—Dry and In Oil.

What do you require in the way of

CANS?

We manufacture the very best quality of

Paint and Color Cans, round and square.
Varnish and Oil Cans. Paint Irons
Paint Packages. Lye Tins.

and every description of Tin or Can required by the trade. We shall be pleased to send you quotations for anything you need in our line.

The Acme Can Works,

OFFICE AND FACTORY:

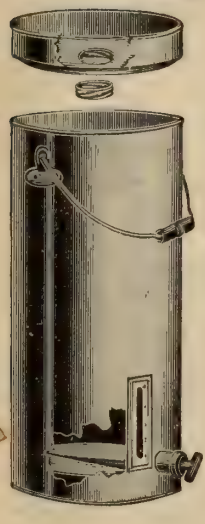
Ontario St. and Jeanne D'Arc Ave.,

MONTREAL.

JAS. B. CAMPBELL. WILLIAM PRATT.

A Good Trade

does not necessarily imply buying at a reduction. It means an exchange in which each is gainer.



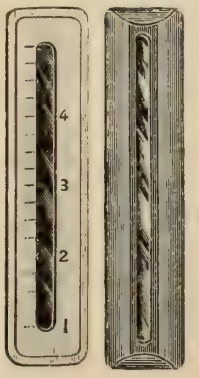
Practical Dealers Cannot Fail

to appreciate the good features of our

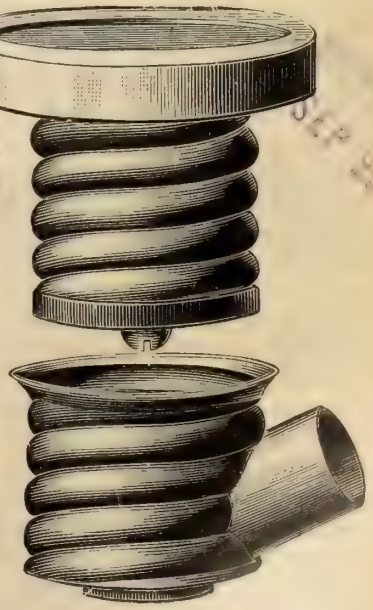
"SLIP COVER"

Creamer Trimmings

THEY make a quick Cover to ADJUST, permit the full submerging of the Can, are made to lock, Cover can be used as MILK STRAINER, and are same price as old style.



Front view. Back view.
Short, Tight,
Easily Soldered.



Cheaper, Neater, Cleaner, Stronger than any other top made. Will not stick nor rust.

They teem with selling points and will largely increase your trade.

THE THOS. DAVIDSON MFG. CO., Limited

ESTABLISHED 1869. MONTREAL, CANADA. INCORPORATED 1895.

A NEWFOUNDLANDER'S VIEWS ON UNION WITH CANADA.

JUDGE MORISON, of Newfoundland, was in Toronto early this week. Judge Morison is the gentleman whom the press despatches recently announced was about to leave the bench in order that he might lead the party in Newfoundland that is favorable to Confederation with Canada. He was born in St. John's in 1857, was educated at the Academy there, and studied law with Sir John Winter, whose partner he subsequently became. He sat for Bonavista from 1888 to 1895, and at his last election received the largest vote ever given in the island. He entered the Cabinet in 1894 as Attorney-General.

To a newspaper reporter he said he had nothing to say upon the question of his personal relations to parties or to Confederation. He did not affirm or deny the Halifax report. The rumor, he said, was simply a rumor, and he had nothing whatever to say as to what he intended to do.

He was not disinclined to talk upon the general subject, and stated that whereas, in 1869, Newfoundland was strongly against Confederation, she was being driven by the logic of events towards

UNION WITH CANADA.

In 1869 the colony had no debt, and the taxation upon imports was about 10 per cent. To-day, chiefly through the building of railways, the debt had risen to about $20,000,000, the interest on which was alone equal to the total expenditure of the colony in 1869. To meet this, import duties had been increased until now they averaged about 33 per cent. or about $10 per head of the population of 200,000. Thus the colony which stayed out of Confederation because it wanted low duties finds itself forced to charge higher duties than Canada does. The other cause which helped to keep Newfoundland out of Confederation was ignorance, the people believing that Canada was largely a wilderness that would take much from Newfoundland and return little. Now they knew that Canada was a big and rich country, and that Confederation was not pressed by Canada from mercenary motives.

WHAT BOTH WOULD GAIN.

Newfoundland would gain from Confederation reduced cost of government: her post office, lighthouse, wharves and marine service and Customs Department would all be taken over by Canada, leaving the island education, roads and administration of justice.

Canada on her part would gain an increased market, as the, in round numbers, $7,000,000 worth of goods imported into Newfoundland, largely from the United States and Britain, would, to a great extent, come from Canada, when Canadian goods came in free and all other goods paid 33 per cent. Canada would gain control of the fisheries of the whole North Atlantic, and would be able to dictate her own terms to the United States, instead of allowing that country to play off Canada and Newfoundland one against the other.

Judge Morison says that Newfoundland is a

COUNTRY OF GREAT RESOURCES

in timber, pulpwood and minerals, and, that once joined to Canada, her development would be rapid. He does not think the present Reid contract is as good as the previous one, as it practically gives Mr. Reid the railway for nothing for 50 years, and does not impose the necessity of development upon him, which the old one did.

As to the French Shore difficulty, he believes it would be settled in a year if the Newfoundland claim had the weight of the Dominion of Canada behind it.

OUTPUT OF BRITISH STEEL RAILS.

From the records of the British Iron Trade Association, the following record of the output of Bessemer steel rails in Great Britain since the year 1880 is taken:

Year.	Output Tons.	Year.	Output Tons.
1880	739,910	1890.....	1,019,606
1881	1,023,740	1891.....	662,676
1882	1,235,785	1892.....	535,836
1883	1,079,174	1893.....	579,386
1884	784,968	1894.....	598,530
1885	706,583	1895.....	604,338
1886	730,343	1896.....	817,476
1887	1,021,847	1897.....	921,131
1888	979,083	1898.....	751,591
1889	943,048	1899.....	838,148
		1900.....	759,844

The British railway system, in point of length, is rather more than a tenth of that of the United States, while the British steel rail output over the last six years, according to Iron and Coal Trades Review, has averaged over one-third of the American rail production.

TAKING CARE OF OIL STONES

"Oil Stones: How to Select and Use Them" is the name of a booklet issued by The Pike Manufacturing Co., Pike Station, N.H., having for its object the giving of a few brief practical suggestions on the selection, use and care of oil stones. Amongst other points touched on are the selection of oil stones, the principal oil stones on the market, how they are used, and the best oil for them. The introduction gives a brief history of oilstones and whetstones.

PAINT
AND
VARNISH

THERE IS A SMARTNESS ABOUT THE STORE WHICH SELLS THE MANUFACTURES OF

THE
CANADA
PAINT
COMPANY,
LIMITED.

THE PACKAGES ARE NEAT.
THE CONTENTS ARE FIRST CLASS.
THE RESULT GIVES SATISFACTION.
THE SALE OF ONE PACKAGE ALWAYS LEADS TO THE SALE OF ANOTHER.
HOUSES ARE BEAUTIFIED AND THE VALUE OF PROPERTY PAINTED WITH THE

CANADA PAINT
COMPANY'S

PAINT IS INCREASED.

THE
LARGEST
PAINT
MAKERS
IN THE
DOMINION.

Persons addressing advertisers will kindly mention having seen their advertisement in The Canadian Hardware and Metal Merchant.

Canadian Wringer Co.

Manufacturers of the following

CLOTHES WRINGERS

Queen,	Eureka,
Royal Canadian,	New Eureka,
New Metropolitan,	Stone,
New Lightning,	Jubilee Ball Bearing
	Etc., Etc.

All our Rolls are of Solid White Rubber and Vulcanized to Shaft. . . . Send for Catalogue and Discounts.

16 SHEPPARD STREET, TORONTO.

THE C. G. YOUNG CO.

RUBBER STAMPS

AND SUPPLIES

No. 1 Adelaide Street East - Toronto

PAINTS We manufac ure these brands:—"LION," "PEERLESS," "OWL," "RAVEN," also Ready-mixed House and Floor Paints, Roof, Barn, Bridge and Brick Paints, Coach Colors, Varnishes, Japans, etc. Our prices will interest you. Write us.



The Ottawa Paint Works, Ottawa, Ont.

FRANK MILLER'S

HARNESS PREPARATIONS.

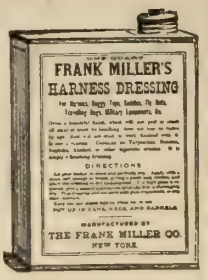
FRANK MILLER'S

HARNESS DRESSING

Recognized as

"THE STANDARD."

Produces a brilliant jet-black gloss which will not peel or smut and to which dirt will not stick.





Frank Miller's

Harness Soap

Unrivaled for cleaning and softening Harness.

Put up in cakes, pans, boxes and tubs.

FRANK MILLER'S

Harness Oil.

Preserves and softens the leather, thus adding life.

The highest quality of oil on the market.





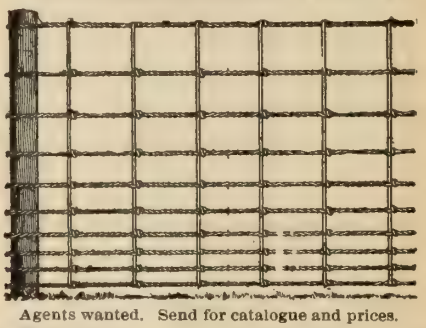
The Oshawa Wire Fence Co.

OSHAWA, ONT. Limited

Manufacturers of...

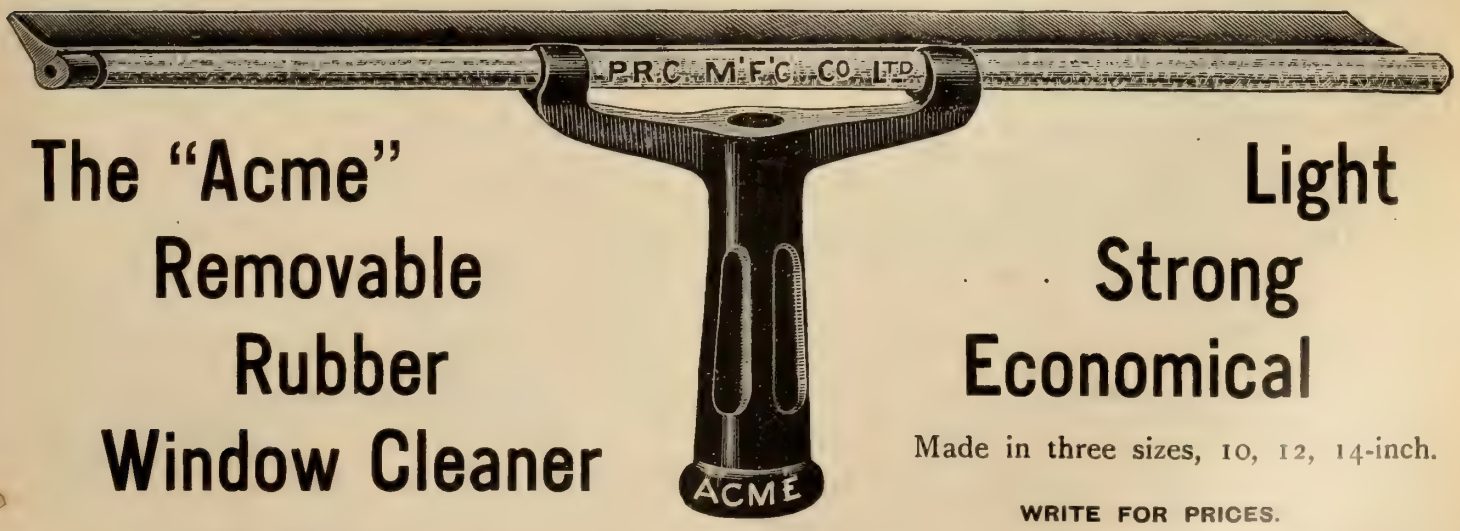
Woven Wire Fencing, Gates, Etc.

Also Dealers in Galvanized Fence Wire.



Agents wanted. Send for catalogue and prices.

Let the Light Shine.



The "Acme" Removable Rubber Window Cleaner

Light Strong Economical

Made in three sizes, 10, 12, 14-inch.

WRITE FOR PRICES.

MADE ONLY BY

The P. R. Cumming Mfg. Co., Limited

Toronto.

P.S.—Catalogue on application.

THE ONTARIO HARDWARE MERCHANTS' ASSOCIATION.

FIRST ANNUAL MEETING AND ELECTION OF OFFICERS.

THE Retail Hardware Merchants' Association of Ontario held their first annual meeting on Thursday evening, May 8, in Bathurst Street Hall, Toronto.

Many delegates from the city were present and a few from a distance, and numerous letters were received from hardware merchants in Fordwich, Caledonia, Oshawa, Brampton, Smith's Falls, Guelph, Hamilton, Woodstock, London, Stratford and other commercial centres, asking admission to membership. Most of the evening was taken up with the election of officers, which resulted as follows:

President—Edwin R. Rogers, Dundas street, Toronto Junction.

1st Vice-President—J. E. Hawkins, Oshawa.

2nd Vice-President—Geo. Pearsall, corner Yonge and Ann streets, Toronto.

Secretary—S. J. Greer, 108 Queen street east, Toronto.

Treasurer—John Caslor, 628 Queen street west, Toronto.

Executive Committee—A. Welch, 302 Queen street west, Toronto; Mr. Hunter, of R. Fletcher & Son, 1424 Queen street west, Toronto; Morley W. Shepherd, of The Shepherd Hardware Co., 140 Dundas street, Toronto; George Munn, Spadina avenue, Toronto.

J. E. Hawkins, of Oshawa, gave an address on how business should be conducted in the retail hardware store. He was followed by Secretary Trowern, of the Retail Merchants' Association of Canada, who spoke to them on the advantages to be had by their amalgamating with the Retail Merchants' Association.

On the invitation of Mr. Trowern, the Toronto branch of the Hardware Merchants' Association will hold their meetings from this out at the headquarters of the Retail Merchants' Association on Bay street, instead of Bathurst Street Hall, the place where they have hitherto held their gatherings.

It is proposed to establish a debt collection system in connection with the Association, and plans are now being considered with that end in view. They will be taken up at some future meeting for consideration.

Although it is only about a year since this Association was formed, it has rapidly grown and its membership now is between 80 and 100. Of these about 50 belong to Toronto. A number are joining from a distance, and as soon as sufficient members have been secured in any of the many trade centres of the Province branch associations in affiliation with the Provincial Association will be made.

This Association has for its objects the securing of a friendly co-operation of all retail hardware merchants in the Province; the promotion of the general interests of the retail dealer and the bringing about of closer business relations between the retailer and the wholesaler. Membership to the Association is eligible for any person, firm or corporation in the Province of Ontario engaged in the retail business of selling hardware, tinware, stoves, paints, oils and glass and recognized as a regular retail dealer.

The Association is asking the co-operation of the Wholesale Hardware Merchants' Association to prevent the sale of goods direct to the consumer by wholesale houses and the selling off at bargain prices of the different lines of hardware, tinware and graniteware by the departmental stores. The different jobbers who cater to these stores will be approached and asked to use their influence against this slaughtering of goods.

ITS SALE ALWAYS INCREASING.

Shaking hands with yourself is one way of expressing satisfaction with something that pleases you. Our way when anything in our line pleases us is to tell the trade about it.

The extraordinary increase in the sales of Lucas Imperial French Green more than pleases. It confirms our belief that it pays to make a green that is the painters' standby. Imperial French Green is durable and practically unfading, is positively non-poisonous, brilliant in color and has great covering qualities.

Lucas Imperial French Green has been a recognized standard for over 50 years. It has been analyzed by almost all the painters' associations in Canada and the United States, and has come out of the test always with great credit. It can be used wherever a green is needed, and will always give the best results.

Every dealer should carry in stock Lucas Imperial Green. It will add to the reputation of his store; it will lead to other sales.

MERIT BRINGS RESULTS.

There is comfort in doing business when you know the goods are right. On the other hand, nothing is more annoying than to have complaints from customers regarding quality.

Every merchant has had this experience; he knows the real pleasure in selling goods which invariably give satisfaction. This is especially true of cutlery.

The "Griffon" brand can always be recommended with confidence. Their trade is being built up on genuine merit, and their goods always have the quality.

The "Carbo Magnetic" razor is an instance in proof of this. Their sales in 1898 were 19,672 razors; 1899, 35,654; 1900, 77,268; 1901, 194,362, all due to the high standard of excellence of the goods. This phenomenal growth proves conclusively that it pays to push a good article.

Apollo galvanized iron is all alike; if not, send back to your jobber at our expense—we shall hear of it.

American Sheet Steel Company, New York

Representatives for Canada
B. & S. H. Thompson & Company
53 St. Sulpice Street
Montreal

SOMETHING NEW

Caldwell Lightning Auger Bits.



Patented May 21, 1901.

This bit will bore two holes in less time than it takes to bore one with any other bit.

AGENTS:

Caverhill, Learmont & Co., - - - **Montreal.**
Wood, Vallance & Co., - - - - **Hamilton.**
Geo. D. Wood & Co., - - - - **Winnipeg.**

CURRENT MARKET QUOTATIONS.

May 16, 1902.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag and Straits—	
56 and 28 lb. ingots, 100 lb.	31 00 31 00

Tinplates.

Charcoal Plates—Bright	Per box
M. L. S. equal to Bradley	
I.C., usual sizes	$6 75
I.X., "	8 25
I.X.X., "	9 75
Famous, equal to Bradley—	
I.C.	6 75
I.X	8 25
I.X.X	9 75
Raven & Vulture Grades—	
I.C., usual sizes	5 00
I.X., "	6 00
I.X.X "	7 00
I.XXX., "	8 00
D.C., 12½x17	4 50
D.X.	5 25
D.X.X	6 00

Coke Plates—Bright	
Bessemer Steel—	
I.C., usual sizes	4 25
I.C., special sizes, base	4 75
20 x 28	9 00
Charcoal Plates—Terne	
Dean or J. G. Grade—	
I.C., 20x28, 112 sheets	8 50
I.X., Terne Tin	10 50
Charcoal Tin Boiler Plates	
Cookley Grade—	Per lb.
X X., 14x56, 5 shee bxs	
" 14x60, " }	0 06½
" 14x65, "	
Tinned Sheets	
72x30 up to 24 gauge	0 07½
" 26 "	0 08

Iron and Steel.

Common Bar, per 100 lbs	1 95 2 05
Refined "	2 45
Horse Shoe Iron "	2 40
Hoop steel, 1½ to 3 in. base,	2 90
Sleigh Shoe Steel " base	2 10
Fire Steel	2 30 2 50
Reeled Machinery	3 00
Toe Calk Steel	2 85 3 00
T. Firth & Co's tool steel, per lb	0 12½ 0 13
Jessop's tool Steel	0 14
Morton's tool steel	0 12½ 0 13
Black Diamond and "B.C." tool steel	0 10 0 11
Chas. Leonard's tool steel	0 08 0 09
Park's "silver" tool steel	0 12 0 14
" " special	0 15 0 20
Drill Steel, per lb	0 08 0 10

Boiler Tubes.

	Per foot.
1½, 1¾, and 4 inch	0 1
2½ in.	0 17½
3 "	0 14

Steel Boiler Plate.

¼ inch	2 50 2 60
5-16 inch	2 60 2 70
⅜ inch and thicker	2 50 2 60

Black Sheets.

	Com.	D.Fl.
18 gauge	2 85	3 00
20 gauge	2 85	3 00
22 to 24 "	2 95	3 25
26 "	3 05	3 50
28 "	3 15	

Copper Ware.

Discount, 50 per cent.

Canada Plates.

All dull, 52 sheets	3 00
Half polished	3 10
All bright	3 75

Iron Pipe.

Black pipe—

	Per 100 Feet.
⅛ inch	2 90
¼ "	2 40
⅜ "	2 65
½ "	2 85
¾ "	3 65
1 "	5 20
1¼ "	7 35
1½ "	8 95
2 "	12 55
2½ "	24 00
3 "	28 00
3½ "	36 00
4 "	43 00
4½ "	50 00
5 "	57 00
6 "	73 00

Galvanized pipe—

¼ inch	3 20
⅜ "	3 45
½ "	3 85
¾ "	5 00
1 "	7 20
1¼ "	10 05
1½ "	12 10
2 "	16 85

Discount 4 per cent.

Malleable Fittings—Discount 40 p.c.

Cast Iron Fittings—

On all Cast Iron Fittings, including plugs, bushings, unions and nipples, 60 p.c. dis.

All others—discount 60 p.c.

Galvanized Sheets.

	G C. Comet.	Amer.	Queen's Head.
16 gauge			
18 to 24 gauge	4 05 3 75		4 05
26 "	4 25 4 00		4 25
28 "	4 50 4 25	*4 40	4 50

Less than case lots 10 to 15c. extra.

*29 gauge.

Chain.

Proof Coil, 3-16 in., per 100 lb	
" ¼ " "	7 85 8 10
" 5-16 " "	5 25 5 50
" ⅜ " "	4 50 4 75
" 7-16 " "	4 25 4 50
" ½ " "	4 20 4 50
" 9-16 " "	4 05 4 50
" ⅝ " "	4 00 4 50
" ¾ " "	4 00 4 50

Halter kennel and post chains, 40 to 40 and 5 p.c.

Cow ties	40 p.c.
Tie-out chains	65 p.c.
Stall fixtures	35 p.c.
Trace chain	45 p.c.

Jack chain, iron, single and double discount 35 p c.

Jack chain, brass single and double, discount 40 p.c

Copper.

Ingot	Per 100 lb.
English B S., ton lots	15 00
Lake Superior	

Bars.

Cut lengths round, ⅛ to ⅞ in.	23 00 25 00
" round and square 1 to 2 inches	23 00 25 00

Sheet.

Plain, 14 oz., and light, 16 oz., 14x48 and 14x60	22 00 22 50
Plain, 14 oz., and light, 16 oz., irregular sizes	22 50 23 00
Tinned copper sheets	24 00
Planished	32 00

Braziers (In sheets.)

4x6ft. 25 to 30 lbs. ea., per lb.	0 23
" 35 to 45 " "	0 22
" 50-lb. and above, "	0 21

Boiler and T. K. Pitts

Plain Tinned, per lb	0 28
Spun, per lb	0 32

Brass.

Rod and Sheet, 14 to 30 gauge, 15 per cent.	
Sheets, hard-rolled, 2x4	0 23
Tubing, base, per lb	0 23½

Zinc Spelter

Foreign, per lb	5 50 6 00
Domestic "	

Zinc Sheet.

5-cwt. casks	6 00 6 25
Part casks	6 25 6 50

Lead.

Imported Pig, per 100 lb	3 50 3 75
Bar, b	0 05
Sheets, 2½ lbs. sq. ft., by	0 06¼
Sheets, 3 to 6 lbs., "	0 06

NOTE.—Cut sheets ½ cent per lb. extra.

Pipe, by the roll, usual weights per yard, lists at 7c. per lb. and 37½ p.c. dis. f.o.b. Toronto.

NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths lists at 7½ cents.

Shot.

Common, $6.50 per 100 lb.; chilled, $7.00 per 100 lb.; buck, seal and ball, $7.50. Discount, 22½ p.c. Prices are f.o.b. Toronto, Hamilton, Montreal, St. John and Halifax. Terms 3 per cent. cash, freights equalized.

Soil Pipe and Fittings.

Discount, 60 p.c. on medium and extra heavy, and 55 p.c. on light soil pipe; 60 p.c. discount on light soil pipe fittings, and 60 and 10 p.c. on medium and extra heavy.

Solder.

	Per lb.	Per lb.
Bar half-and-half, guarant'd		0 19
Bar half-and-half, commer'l		0 18½
Refined		0 18
Wiping		0 17½

Antimony.

Cookson's, per lb	0 10

White Lead.

	Per 100 lb.
Pure	5 87½
No. 1	5 50
No. 2	5 12½
No. 3	4 75
No. 4	4 37½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B B. Genuine	7 00
" " No. 1	6 00

Red Lead.

Genuine, 560 lb. casks, per cwt.	$4 75
Genuine, 100 lb. kegs, per cwt.	5 00
No. 1 560 lb. casks, per cwt.	4 25
No 1, lb kegs, per cwt.	4 50

White Zinc.

Extra Red Seal	0 06 0 08
No. 1	0 05½ 0 07
No. 2	0 05 0 06

Dry White Lead.

Pure, casks	5 25
Pure, kegs	5 50
No. 1, casks	5 00
No. 1, kegs	5 25

Prepared Paints

In ¼, ½ and 1 gallon tins.

Pure, per gallon	1 25
Second qualities, per gallon	1 10
Barn (in bbls.)	0 60 0 90
The Sherwin-Williams Paints	1 40
Canada Paint Co's Pure	1 25
Toronto Lead & Color Co's Pure	1 25
Sanderson Pearcy's Pure	1 20
Stewart & Wood's Champion Pure	1 20

Colors in Oil.

25 lb. tins, Standard Quality.

Venetian Red, per lb	0 04½ 0 06
Chrome Yellow	0 12 0 14
Golden Ochre	0 08 0 10
French "	0 06
Marine Black	0 09
Chrome Green	0 10
French Imperial Green	0 12
Sign Writers' Black	0 16
Burnt Umber	0 11
" Sienna	0 11
Raw Umber	0 11
" Sienna	0 11

Colors, Dry.

		per lb.
Common Ochre bbls	1 20	1 30
Yellow Ochre J.F.L.S., bbls		2 00
Yellow Ochre (La Belle)	1 15	1 25
Brussels Ochre		2 00
Venetian Red (best), bbl	1 75	2 00
English Oxides, per cwt.	3 00	3 25
American Oxides, bbls	1 25	2 00
Canadian Oxides, bbls	1 25	1 75
Super Magnetic Oxides, 93p.c.	2 00	2 25
Burnt Sienna, pure, per lb		0 10
" Umber, " "		0 10
Raw do		0 09
Drop Black, pure		0 09
Chrome Yellows, pure		0 18
Chrome Greens, pure, per lb.	0 09	0 10
Golden Ochre	0 04	0 05
Ultramarine Blue in 28-lb. boxes, per lb	0 06	0 18
Fire Proof Mineral, per 100 lb		1 00
Genuine Eng. Litharge, per lb		0 07
Mortar Color, per 100 lb	1 25	1 50
Pure Indian Red, No. 45 lb.	0 08	0 10
Whiting, bbl	0 55	0 60
English Vermillion in 50-lb. bags.		0 95

Paris Green.

	per lb.
Petroleum Casks	
Arsenic Kegs	
50-lb. and 100-lb. drums	
25-lb. drums	
1-lb packages	
½-lb. do	
1-lb. tins	
½-lb do	

F. O. B. Toronto. Terms—3 p. c. off 30 days, or 4 mos. from date of delivery.

Blue Stone.

Casks, for spraying, per lb	0 07
100-lb. lots, do. per lb	0 08

Putty.

Bulk in bbls.,	1 90
Bulk in less quantity	2 05
Bladders in bbls	2 25
Bladders in kegs, boxes or loose	2 40
Bladders in 25-lb. tins	2 35
Bladders in 12½-lb. tins	2 65
Bladders in bulk or tins less than 100 lb	2 90

Varnishes.

In 5-gal. lots.	Per Gal.	net.
Carriage, No. 1	1 50	1 60
Pale Durable body	4 10	4 25
" rubbing	2 85	3 20
Gold Size, Japan	2 85	3 00
No. 1 Brown Japan	0 85	0 90
Elastic Oak		1 50
Furniture, extra		1 35
" No. 1		1 10
Hard Oil Finish	1 65	1 75
Light Oil Finish	1 40	1 60
Demar	1 70	1 85
Shellac, white	2 3	2 45
" orange	2 25	2 35
Turpentine Brown Japan	1 15	1 20
" Black Japan	0 85	1 20
" " No. 1	0 50	0 75

Elastilite Varnish 1 gal. can, each, $2.00.

Granitine Floor Finish per gal., $2.75.

Maple Leaf Coach Enamels; Size 1, $1.20 Size 2, 70c. Size 3, 40c. each

Sherwin-Williams Copal Varnish, assorted case, from ½ pts. to 1 gal., $2.50

Castor Oil.

East India, in cases, per lb	0 09½ 0 10
" " small lots	0 10 0 10½

Cod Oil, Etc.

Cod Oil per gal	0 50 0 55
Pure Olive	1 20
" Neatsfoot	90

Glue.

Common	0 08½ 0 09
French Medal	0 14 0 14½
Cabinet sheet	0 12 0 13
White, extra	0 18 0 20
Gelatine	0 22 0 30
Strip	0 18 0 20
Coopers	0 19 0 20
Huttner	0 18

JOSEPH RODGERS & SONS Limited

SHEFFIELD, ENGLAND.

Each blade of our Goods bears the exact mark here represented.

REGISTERED TRADE MARK. CRANTED 1682

JAMES HUTTON & CO., MONTREAL SOLE AGENTS IN CANADA.

HARDWARE.

Ammunition.

Cartridges.

B B Caps Dom. 50 and 5 per cent.
Rim Fire Pistol, dis 40 p. c., Amer
Rim Fire Cartridges, Dom., 5 f and 5 p. c
Central Fire Pistol and Rifle 10 p.c. Amer.
Central Fire Cartridges, pistol sizes Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 per cent.
Central Fire, Military and Sporting, Amer. add 5 p.c. to list. B.B. Caps, discount 40 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 10 p.c. advance on list.
Brass Shot Shells, 55 per cent.
Primers, Dom., 30 per cent.; American, $1.60.

Wads	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb. bags	70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 5
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	
Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 20 per cent.

Anvils.

Wright's, 80-lb. and over 0 10¾
Hay Budden, 80-lb. and over 0 09¼
Brook's, " " " 0 11¼

Augers.

Gilmour's discount 65 and 5 p.c. off list.

Axes.

Chopping Axes		
Single bit, per doz	5 50	10 00
Double bit, "	11 00	18 00
Bench Axes, 40 p.c.		
Broad Axes, 25 per cent.		
Hunters' Axes	5 50	6 00
Boys' Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Axle Grease.

Ordinary, per gross 5 75 6 00
Best quality 13 00 15 00

Bath Tubs.

Zinc 6 00
Copper, discount 15 p.c. off revised list

Baths.

Standard Enameled.

5½-inch rolled rim, 1st quality 24 00
" " " 2nd " 20 00

Anti-Friction Metal.

"Tandem" A per lb.	0 27
" B "	0 21
" C "	0 11½
Magnolia Anti-Friction Metal, per lb	0 25
Frictionless metal, per lb	0 23

SYRACUSE SMELTING WORKS.

Aluminum, genuine	0 41
Dynamo	0 27
Special	0 42
Aluminum, 99 p.c. pure "Syracuse"	0 45

Bells.

Hand

Brass, 60 per cent.
Nickel, 55 per cent.

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Door.

Gongs, Sargant's 5 50 8 00
" Peterboro', discount 45 per cent

Farm.

American, each 1 25 3 00

House.

American, per lb 0 35 0 40

Bellows.

Hand, per doz 3 35 4 75
Moulders', per doz 7 50 10 00
Blacksmiths', discount 40 per cent.

Belting.

Extra, 60 per cent.
Standard, 60 and 10 per cent.
No. 1, not wider than 6 in., 50 10 and 10 p.c.
Agricultural, not wider than 4 in., 75 p.c.

Bits.

Auger.

Gilmour's, discount 60 and 5 per cent.
Rockford, 50 and 10 per cent.
Jennings' Gen. net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent

Gimlet.

Clark's, per doz 0 65 0 90
Damond, Shell, per doz 1 00 1 50
Nail and Spike, per gross 2 25 5 20

Blind and Bed Staples.

All sizes, per lb 0 07¾ 0 12

Bolts and Nuts.

	Per cent.
Carriage Bolts, common ($1 list)	55
" " full square ($2.40 list)	55
" " Norway iron ($3 list)	50
Machine Bolts, all sizes	50 and 5
Plough Bolts	50 and 5
Blank Bolts	50 and 5
Bolt Ends	50 and 5
Sleigh Shoe Bolts	65 and 5
Coach Screws, cone point	66⅔
Nuts, square, all sizes, 3½c. per lb. off.	
Nuts, hexagon, all sizes, 3¾c. per lb. off.	
Stove rods, per lb .5½ to 6c.	
Nuts, in 50 lb. lots ¼c. per lb extra, in less than 50 lb. lots, ½c extra.	

Boot Calks.

Small and medium, ball, per M 4 25
Small heel, per M 4 50

Bright Wire Goods.

Discount 62½ per cent

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent
Henis, No. 8 " 6 00
Henis, No. 9, " 7 00
Queen City " 7 50 0 00

Butchers' Cleavers.

German, per doz 6 00 11 00
American, per doz 12 00 20 00

Butcher Knives.

Bailey's, per doz 0 60 6 30

Building Paper, Etc.

Tarred felt, per 100 lb 1 70
Ready roofing, 2-ply, not under 45 lb. per rol 85
Ready roofing, 3-ply, not under 65 lb. per roll 1 10
Carpet felt, per ton 45 00
Dry sheathing, per roll, 400 sq. ft 30
Tar sheathing, " " " 40
Dry fibre " " " 50
Tarred fibre, " " " 60
O.K. & I.X.L., " " " 65
Resin-sized, " " " 40
Oiled sheathing, " 600 " 1 10
" " " 400 " 70
Roof coating, in barrels, per gal 17
" small packages 25
Refined tar, per barrel 4 50
Coal tar, " 4 00
Coal tar, less than barrels, per gal 15
Roofing pitch, per 100 lb 85

Bull Rings.

Copper, $2.00 for 2½ in. and $1.90 for 2 in.

Butts.

Wrought Brass net revised list.

Cast Iron.

Loose Pin, dis., 60 per cent.

Wrought Steel

Fast Joint, dis. 65, 10 and 2½ per cent.
Loose Pin, dis. 65, 10 and 2½ per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.
Gen. Bronzed, per pair 0 40 0 65

Carpet Stretchers.

American, per doz 1 00 1 50
ullard's, per doz 6 50 ....

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross 8 50 9 50

Cement.

Canadian Portland	1 90	2 75
English "	3 00	3 15
Belgian "	2 50	2 75
Canadian hydraulic	1 25	1 50

Chalk.

Carpenters Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 70 per cent.
Warnock's, dis. 70 per cent.
P. S. & W. Extra 60, 10 and 5 p.c.

Churns.

Revolving Churns, metal frames—No. 0, $8—No. 1, $8.50—No. 2, $9.00—No. 3, $10.00—No. 4, $12.00—No. 5, $16.00 each. Ditto, wood frames—20c. each less than above. Discounts: Delivered from factories, 56 p.c.; from stock in Montreal, 54 p.c. Terms, 4 months or 3 p.c. cash in 30 days

Clips.

Axle dis. 65 per cent.

Closets.

	Net.
Plain York or Ontario Syphon Jet	$9 60
Emb. York or Ontario Syphon Jet	10 20
Fittings	1 00
Plain Elgin or Teu. Syphon Washout	6 00
Emb. Elgin or Teu. Syphon Washout	6 60
Fittings	1 25
Low Down Elgin or Teutonic, plain	9 60
" " " emb.	10 20
Plain Richelieu	4 00
Emb. Richelieu	4 25
Connections	1 25
Low Down Ont. Sy. Jet, plain	11 70
" " " " " emb'd.	12 30
Closet connection	1 25
Basins P.O., 14 in	0 70
" oval 17 x 14 in	1 50
" " 19 x 15 in	2 25

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Conductor Pipe.

Plain or Corrugated.

2-inch, per 100 feet	3 00
3 " " "	4 00
4 " " "	5 25
5 " " "	6 75
6 " " "	9 00

Cradles, Grain.

Canadian, dis. 25 to 33⅓ per cent.

Crosscut Saw Handles.

S. & D., No. 3, per pair	17½
" " 5, "	22½
" 6, "	15
Boynton pattern "	20

Door Springs.

Torrey's Rod, per doz	(15 p.c.	2 00
Coil, per doz	0 80	1 60
English, per doz	2 00	4 00

Draw Knives.

Coach and Wagon, dis. 50 and 10 per cent.
Carpenters, dis. 70 per cent.

Drills.

Hand and Breast

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis., 37½ to 40 per cent.
Standard dis. 50 and 5 to 55 per cent.

Faucets.

Common, cork-lined, dis. 35 per cent.

EAVE TROUGH.

10-inch, per 100 ft. $3 10

ELBOWS. (Stovepipe.) per doz.

5 and 6-inch, common	1 20
7-inch	1 35

Polished, 15c. per doz. extra.

ESCUTCHEONS.

Discount, 40 per cent.

ESCUTCHEON PINS.

Iron, discount 40 per cent.

FACTORY MILK CANS.

Discount off revised list, 40 per cent.

FILES AND RASPS.

Great Western	70 and 10 per cent.
Arcade	70 " 10 "
Kearney & Foot	70 " 10 "
Disston's	70 " 10 "
American	70 " 10 "
J. Barton Smith	70 " 10 "
McClellan	70 " 10 "
Eagle	70 " 10 "
Nicholson, 60 and 10 to 60, 10 and 5	"
Royal	80 "
Globe	70 to 75 "

Black Diamond, 60 and 10 to 60, 10 and 5 p.c.
Jowitt's, English list, 25 to 27½ per cent.
Nicholson File Co.'s "Simplicity" file handle per gross, 85c. to $1.50.

GLASS—Window—Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	D. Diamond Per 50 ft.	D. Diamond Per 100 ft.
Under 26	2 20	4 25	....	6 25
26 to 40	2 40	4 65	....	8 75
41 to 50	....	5 10	....	7 50
51 to 60	....	5 35	....	8 50
61 to 70	....	5 75	....	9 75
71 to 80	....	6 25	....	11 00
81 to 85	....	7 00	....	12 55
86 to 90	....	7 75	..	15 00
91 to 95	..	....	...	17 50
96 to 100	.. ..	....	..	20 50

GAUGES

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's Nos. 26 to 33, each 1 65 2 40

HALTERS.

Rope, ⅜ per gross	....	....
" ½ "	....	9 00
" ⅝ to ¾ "	....	14 00
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

	Can.	dis.
Maydole's, dis. 5 to 10 per cent 25 to 27½ per cent.		

Tack.

Magnetic per doz	1 10	1 20

Sledge.

Canadian per lb	0 07½	0 08¾

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz. net	1 50	2 00
Store door, per doz	1 00	1 50

Fork.

C. & B., dis. 40 per cent. rev. list.

Hoe.

C. & B., dis. 40 per cent. rev. ist.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 75

Hammer and Hatchet.

Canadian, 40 per cent.

Cross-Cut Saws.

Canadian, per pair	0 13¾

HANGERS.

	doz. pairs.	
Steel barn door	5 85	6 00
Stearns, 4 inch	....	5 00
" 5 inch	....	6 50
Lane's covered—		
No. 11, 5-ft. run	....	8 40
No. 11½, 10-ft. run	....	10 80
No. 12, 10-ft. run	....	12 60
No. 14, 15-ft. run	....	21 00
Lane's O.N.T. track, per foot	....	4½

HARVEST TOOLS

Discount, 60 per cent.

HATCHETS

Canadian, dis 40 to 42½ per cent.

SANITARY BUILDING PAPERS.

Any Building Paper that will turn musty after being exposed to dampness is unsanitary and dangerous to health.

A first-class Building Paper should be Water-proof, Vermin-proof, Air-tight and Durable. Our Tarred Fibre and O. K. Building Papers meet all the above requirements.

Don't be afraid to use Tarred Building Paper as it is healthy and the odor soon passes away. If you will use an Untarred Building Paper, however, try our Dry and Resin Sized Fibre which won't turn musty under any circumstances.

THE PATERSON MFG. CO., Limited, TORONTO and MONTREAL.

HINGES.

Blind, Parker's, dis. 50 and 10 to 60 per cent.
Heavy T and strap, 4-in., per lb.... 0 06½
" " 5-in., " 0 06¼
" " 6-in., " 0 06
" " 8-in., " 0 05¾
" " 10-in., " 0 05½
Light T and strap, dis. 65 and 5 per cent.
Screw hook and hinge—
6 to 10 in., per 100 lbs.. .... 4 50
12 in. up, per 100 lbs..... .... 3 25
Per gro. pairs
Spring..... .... 12 00

HOES.

Garden, Mortar, etc., dis. 60 p.c.
Planter, per doz..... 4 00 4 50

HOLLOW WARE

Discount,..... 45 and 5 per cent.

HOOKS.

Cast Iron.

Bird Cage, per doz.....	0 50	1 10
Clothes Line, per doz.....	0 27	0 63
Harness, per doz.....	0 72	0 88
Hat and Coat, per gross.....	1 00	3 00
Chandelier, per doz.....	0 50	1 00

Wrought Iron.
Wrought Hooks and Staples, Can. dis. 47½ per cent.

Wire.
Hat and Coat, discount 45 per cent.
Belt, per 1,000 ..... 0 60
Screw, bright, dis. 55 per cent.

HORSE NAILS.

"O" brand 50 and 7½ p.c. off new list } Oval-head
"M" brand 50, 10 and 5 per cent. }
Countersunk, 60 per cent.

HORSESHOES.

Iron Shoes.	F.O.B. Montreal No. 2 and larger.	No. 1. and smaller.
Light, medium and heavy...	3 50	3 75
Snow shoes.....	3 75	4 00
Steel Shoes.		
Light.....	3 60	3 85
Featherweight (all sizes).....	4 85	4 85

F.O.B. Toronto, Hamilton, London and Guelph, 10c. per keg additional.
Toe weight steel shoes..... 6 70

JAPANNED WARE.

Discount, 45 and 5 p.c. off list, June 1899.

ICE PICKS.

Star per doz..... 3 00 3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.
Copper, per lb..... 0 30 0 50
American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 45 p.c.
Cabinet, trunk, and padlock, Am. per gross 60

KNOBS.

Door, japanned and N.P., per doz..... .... 1 50 2 50
Bronze, Berlin, per doz..... 2 75 3 25
Bronze Genuine, per doz.... 6 00 9 00
Shutter, porcelain, F. & L screw, per gross 1 30 4 00
White door knobs—per doz. 95 1 00

HAY-KNIVES.

Discount, 60 per cent.

LAMP WICKS.

Discount, 60 per cent.

LANTERNS.

Cold Blast, per doz..... 7 00
No. 3 "Wright's"..... 8 50
Ordinary, with O burner..... 4 00
Dashboard, cold blast..... 9 00
No. 0...*..... 5 75
Japanning, 50c. per doz. extra

LEMON SQUEEZERS.

Porcelain lined, ...per doz.	2 20	5 60
Galvanized.....	1 87	3 85
King, wood.....	2 75	2 90
King, glass.....	4 00	4 50
All glass.....	1 20	1 30

LINES.

Fish per gross.....	1 05	2 50
Chalk "	1 90	7 40

LOCKS.

Canadian, dis 40 p.c.
Russel & Erwin per doz.... 3 00 3 25
Cabinet.
Eagle, dis. 30 p.c.

Padlocks.

English and Am. per doz....	50	6 00
Scandinavian, "	1 00	2 40

Eagle, dis. 20 to 25 p.c.

MACHINE SCREWS. Iron and Brass.

Flat head discount 25 p.c.
Round Head discount 20 p.c.

MALLETS.

Tinsmiths' per doz.....	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz..	3 85	5 00
Caulking each.....	60	2 00

MATTOCKS.

Canadian, per doz..... 5 50 6 50

MEAT CUTTERS.

American, dis. 25 to 30 p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are :	Cut.	Wire.
2 d and 3d	$3 45	$3 55
3 d	3 10	3 22
4 and 5d..... ..	2 85	3 05
6 and 7d.....	2 75	2 90
8 and 9d.....	2 60	2 70
10 and 12d.....	2 55	2 65
16 and 20d..	2 50	2 60
30, 40, 50 and 60d. (base).....	2 45	2 55

Wire nails in carlots are $2.50
Galvanizing 2c. per lb. net extra.
Steel Cut Nails 10c. extra.
Miscellaneous wire nails, dis. 75 p.c.
Coopers' nails, dis. 30 per cent.
Flour barrel nails, dis. 25 per cent

NAIL PULLERS.

German and American..... 1 85 3 50

NAIL SETS.

Square, round, and octagon per gross.....	3 38	4 00
Diamond.....	12 00	15 00

POULTRY NETTING.

2-in. Mesh, 19 w.g., dis. 50 and 5 to 50 and 10 p.c.
2-in. Mesh, 18 w.g. and heavier, 50 p.c.

OAKUM.

Per 100 lb

Navy	6 00
U.S. Navy.....	7 25

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal. per doz..... .... 10 00
Zinc and tin, dis. 50, 50 and 10 .

Copper, per doz.....	1 25	3 50
Brass, "	1 50	3 50

Malleable, dis. 25 per cent.

GALVANIZED PAILS.

Dufferin pattern pails, dis. 45 p.c.
Flaring pattern, discount 45 per cent.
Galvanized washtubs discount 45 per cent.

PIECED WARE.

Discount 10 per cent. off list, June, 1899.
10-qt. flaring sap buckets. dis. 40 p.c.
6, 10 and 14-qt. flaring pails, dis. 40 p.c.
Creamer cans, dis. 40 p.c.

PICKS.

Per doz..... 6 00 9 00

PICTURE NAILS.

Porcelain head, per gross...	1 75	3 00
Brass head "	0 40	1 00

PICTURE WIRE.

Tin and gilt, discount 75 p c.

PINE TAR.

½ pint in tins, per gross.	7 80
1 " " "	9 60

PLANES.

Wood, bench, Canadian dis. 40 per cent. American dis. 50.
Wood, fancy Canadian or American 7½ to 40 per cent.

PLANE IRONS.

English per doz..... 2 00 5 00

PLIERS AND NIPPERS.

Button's Genuine per doz pairs, dis. 37½ 40 p.c.
Button's Imitation, per doz.. 5 00 9 00
German, per doz..... 0 60 2 60

PLUMBERS' BRASS GOODS.

Standard Compression work, dis. 60 p.c.
"J.M.T." Cushion work, dis. 50 p.c.
Fuller work, dis. 65 p.c.
6 doz. lots and over of the above, extra dis. 10 p c.
Lever Handle Stops and Waste, discount 60 p c. With, in lots of 2 doz. and over, an extra dis. of 10 p.c.
"J.M.T." Globe, Angle and Check Valves, dis 55 p.c.
Standard Globe, Angle and Check Valves, dis. 65 p.c.
"J.M.T." Radiator Valves. dis. 55 p c.
Standard " " dis., 65 p.c.
Patent Quick Opening Valves, dis. 70 p.c.
No. 1 compression bath cock, net .. 2 00
No. 4 " " " 2 00
No. 7, Fuller's 2 20
No. 4½, " 2 35
Patent Compression Cushion, basin cock, hot and cold, per doz 15 00
Patent Compression Cushion, bath cock No. 2208 ..... 2 25
Square head brass cocks, 60 p.c.
" " iron " 60 p.c.
Competition Globe, Angle and Check Valves discount, 70 p. c.
Competition Quick Opening Radiator Valves, discount, 70 p.c.

PRESSED SPIKES.

Discount 22½ per cent.

PULLEYS.

Hothouse, per doz.....	0 55	1 00
Axle.....	0 22	0 33
Screw.....	0 27	1 00
Awning.....	0 35	2 50

PUMPS.

Canadian cistern.....	1 80	3 60
Canadian pitcher spout.....	1 40	2 10

PUNCHES.

Saddlers', per doz.....	1 00	1
Conductors' "	9 00	15 00
Tinners', solid per set.....	0 00	0 72
" hollow per inch.....	0 00	1 00

RANGE BOILERS.

	Net.
Dominion, 30 gal.	5 75
Dominion, 35 "	6 75
" 40 "	7 75
Ronald's Galvanized, 30 gallons	6 50
" " 35 "	7 50
" " 40 "	8 50
Copper, 30 gallons.....	20 00
" 35 "	23 20
" 40 "	26 40

RAKES.

Wood, per doz. net 110

RAZORS.

	per doz.	
Elliot's	4 00	18 00
Geo. Butler & Co.'s.....	4 00	18 00
Boker's.....	7 50	11 00
" King Cutter.....	12 50	50 00
Wade & Butcher's	3 60	10 00
Theile & Quack's.....	7 00	12 00
Bailey s	6 00	12 00
Carbo Magnetic Razor		15 00
Griffon Barbers' Favorite		10 75
Griffon No. 65.....		13 0
Griffon Safety Razors.....		15 50
" Stropping Machines.		13 50

All other razors 50 p.c. off catalogue price.

REGISTERS.

Discount ..... 40 per cent

RIVETS AND BURRS.

Iron Rivets, black and tinned, discount 60 and 10 per cent.
Iron Burrs, discount 55 per cent.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets with usual proportion burrs, 45 and 10 dis., cartons, 1c. per lb. extra, net.
Copper Burrs only, 30 and 0 p.c.
Extras on Tinned or Coppered Rivets, ½-lb. cartons, 1c. per lb.

RIVET SETS.

Canadian, dis. 35 to 37½ per cent.

ROPE, ETC.

Sisal	13
Pure Manilla.....	16
"British" Manilla.....	14½
Cotton, 3-16 inch and larger.....	16
" 5-32 inch....	21
" ⅛ inch	22
Russia Deep Sea.	15
Jute.....	5
Lath Yarn	12
Sisal bed cord, 48 ft..... per doz.	65
" " 60 ft..... "	80
" " 72 ft..... "	95

RULES.

Boxwood, dis. 55 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS. per set.

Mrs. Potts, No. 55, polished.	70
" No. 50, nickle-plated.	75

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ pe cent.
B & A. sand, 40 and 5 per cent.
Emery, 40 per cent.
Garnet (Rurton's), 5 to 10 p.c. advance on list.

SAP SPOUTS.

Bronzed iron with hooks, per doz. 9 50

SAWS.

Hand Disston's, dis. 12½ p.c.
S. & D., 40 per cent.

Crosscut, Disston's, per ft..	0 35	0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3		
Hack, complete, each	0 75	2 75
" frame only	....	0 75

SASH WEIGHTS.

Sectional, per 100 lbs.....	2 25	2 50
Solid, "	1 75	2 00

SASH CORD.

Per lb..... 0 23 0 30

SAW SETS.

Lincoln and Whiting, per doz.	4 75
Hand Sets, No. 1 Woodyatt (Morrill)	4 25
X-cut Sets, No. 3 Woodyatt (Morrill)	9 50

SCALES.

Burrow, Stewart & Milne—
Imperial Standard, 45 per cent.
Weigh Beams, 35 per cent.
Champion Scales, 55 per cent.
Fairbanks Standard, 35 p.c.
" Dominion, 55 p.c.
" Richelieu, 55 p.c.
Warren's new Standard 45 p c.
" " Champion 55 p.c.

SCREW DRIVERS.

Sargent's per doz..... 0 65 1 00

SCREWS.

Wood, F.H., bright and steel, 87½ and 10 p.c.
Wood R. H., " dis. 82½ and 10 p.c.
" F. H., brass dis. 80 and 10 p.c.
Wood, R. H., " dis. 75 and 10 p.c.
" F.H., bronze, dis. 75 p.c.
" R.H. " 70 p.c.
Drive Screws, 87½ and 10 per cent.

Bench, wood, per doz.	3 25	4 00
" iron, "	4 25	5 00

Set, Case hardened, 60 per cent.
Square Cap, 50 and 5 per cent.
Hexagon Cap, 45 per cent.

SCYTHES.

Per doz., net..... ..... 5 00 8 00

SCYTHE SNATHS.

Canadian, dis. 45 p.c.

SHEARS.

Bailey Cutlery Co., full nickeled, dis. 60 and 2½ p.c.
Bailey Cutlery Japan handles, 67½ p.c.
Seymour's, dis. 50 and 10 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SINKS.

Steel and galvanized, discount 45 per cent

SNAPS.

Harness, German, dis. 25 p.c.
Lock, Andrews' 4 50 11 50

SOLDERING IRONS.

1, 1½ lb., per lb.....	0 37
2 lb. or over, per lb.....	0 34

SQUARES.

Iron, No. 493, per doz	2 40	2 55
" Mo. 494, "	3 25	3 40

Steel, dis. 60, 10 and 5 p.c.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.

Plain, dis., 75 and 12½ p.c. off revised list.
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized.....	3 25	3 50
Plain.....	2 90	3 15

Coopers', discount 45 per cent.
Poultry netting staples, 40 per cent.

STANDARD CHAIN CO., PITTSBURGH, U. S. A.

MANUFACTURERS OF **CHAIN** OF ALL KINDS.

Proof Coil, B.B., B.B.B., Crane, Dredge Chain, Trace Chains, Cow Ties, etc.

ALEXANDER GIBB, Montreal. —Canadian Representatives— A. C. LESLIE & CO., Montreal.

For Provinces of Ontario and Quebec. For other Provinces.

STOCKS AND DIES.

American dis. 25 p.c.

STONE.	Per lb.	
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip,	0 09	0 09
Labrador	....	0 13
" Axe	....	0 15
Turkey	....	0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	6 00
Grind, 2 in, 40 to 200 lb, per ton	....	25 00
" under 40 lb. "	....	28 00
Grind. under 2 in. thick "	....	29 00

STOVE PIPES.

5 and 6 inch Per 100 lengths	....	7 00
7 inch " "	....	7 50

ENAMELINE STOVE POLISH.

No. 4—3 dozen in case, net cash	$4 80
No. 6—3 dozen in case, "	8 40

TACKS, BRADS, ETC.

Cheese-box tacks, blued .....80 & 12½
Trunk tacks, black and tinned 85
Carpet tacks, blued .....80 & 15
" " tinned .....80 & 20
" " (in kegs) 40
Cut tacks, blued, in dozens only ..80
" ¼ weights.....60
Swedes cut tacks, blued and tinned—
In bulk..... .....80 & 10
In dozens.....75
Swedes, upholsterers', bulk....85, 12½ & 12½
" brush, blued & tinned, bulk..70
" gimp, blued, tinned and japanned ....75 & 12½
Zinc tacks 35
Leather carpet tacks 55
Copper tacks 50
Copper nails 52½
Trunk nails, black .....65 and 5
Trunk nails, tinned.....65 and 10
Clout nails, blued .....65 and 5

Chair nails		35
Patent brads		40
Fine finishing		40
Lining tacks, in papers		10
Lining tacks, in bulk		15
" " solid heads, in bulk		75
Saddle nails in papers		10
" " in bulk		15
Tufting buttons, 22 line, in dozens only		60
Tin capped trunk nails		25
Zinc glazier's points		5
Double pointed tacks, papers	90 and	10
" " " bulk		40
Shoe nails		60
Clinch and duck rivets		45

TAPE LINES.

English, ass skin, per doz.	2 75	5 00
English, Patent Leather	5 50	9 75
Chesterman's each	0 90	2 85
" steel, each	0 80	8 00

TINNERS' SNIPS.

Bailey's, dis. 25 p.c.

THERMOMETERS.

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TRAPS. (Steel.)

Game, Newhouse, dis. 25 p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's discount 10 per cent.

German, per doz.	4 75	6 00
S. & D., discount 35 per cent.		

TWINES.

Bag, Russian, per lb.	....	0 27
Wrapping, cotton, 3-ply		0 19
" " 4-ply	....	0 23
Mattress, per lb.	0 33	0 45
Staging, "	0 27	0 35

VISES.

Wright's	....	0 13½
Brook's	....	0 12¾
Pipe Vise, Hinge, No. 1	....	3 50
" " " No. 2	....	5 50
Saw Vise	4 50	9 00

ENAMELLED WARE.

White, Princess, Turquoise, Blue and White, discount 50 per cent.
Diamond, Famous, Premier, 50 and 10 p.c.
Granite or Pearl, Imperial, Crescent, 50, 10 and 10 per cent.

WIRE.

SMOOTH STEEL WIRE.

No. 0-9 gauge		$2 60
10 "		5c. extra.
11 "		12c. "
12 "		20c. "
13 "		30c. "
14 "		40c. "
15 "		55c. "
16 "		70c. "

Add 60c. for coppering and $2 for tinning

Extras net per 100 lb. — Oiled wire 10c.; spring wire $1.25, special hay baling wire 30c.; best steel wire 75c., bright soft drawn 15c.; charcoal (extra quality) $1.25, packed in casks or cases 15c., bagging and papering 10c., 50 and 100-lb. bundles 10c., in 25-lb. bundles 15c., in 5 and 10-lb. bundles 25c., in 1-lb. hanks 50c., in ½-lb. hanks 75c., in ¼ lb. hanks $1.

Fine Steel Wire, dis. 22½ per cent List of extras : In 100-lb. lots : No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, 7.65—No. 24, $8—No. 25, $9—No. 26 $9.50—No. 27, $10—No. 28, $11 No. 29. $12—No. 30, $13—No. 31, $14—No. 32 $15, No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31 $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles. 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3 50 to $3 85—No. 9, $2.85 to $3.15—No. 10, $3.60 to $3.95—No. 11, $3.70 to $4.10—No. 12, $3 to $3.30—No. 13, $3.10 to $3.40—No. 14, $4.10 to $4.50—No. 15, $4.60 to $5.05—No. 16. $4.85 to $5.35. Base sizes, Nos. 6 to 9 $2.52½ f.o.b. Cleveland.
Clothes Line Wire, regular 7 strand No. 17, $4.65; No. 18, $2.90; No. 19, $2.60. Hollow 6 strand, No. 17, $4.30; No. 18. $2.70, No. 19, $2.35; No 20, $2.30, f.o.b. Hamilton, Toronto Montreal.

WIRE FENCING.

Galvanized barb	3 00
Galvanized, plain twist	3 00
Galvanized barb, f.o.b. Cleveland, $2.77½ in less than carlots, and $2.65 in carlots	

WIRE CLOTH

Painted Screen, per 100 sq. ft., net.. 1 37½
Terms, 3 per cent. off 30 days.

WASTE COTTON.

	per lb.
Colored	6
White	8

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 60 p.c.
Coe's Genuine, dis. 20 to 25 p.c.

Towers' Engineer, each	2 00	7 00
" S., per doz.	5 80	6 00
G. & K.'s Pipe, per doz.	....	3 40
Burrell's Pipe, each	....	3 00
Pocket, per doz.	0 25	2 90

WRINGERS.

Leader per doz.	$30 00	33 00
Royal Canadian.. "	...	24 00
Royal American., "	....	24 00
Sampson "	....	24 00

Terms 4 months, or 3 p.c. 30 days

WROUGHT IRON WASHERS.

Canadian make, discount, 40 per cent.

ADVERTISING in WESTERN CANADA

will be Carefully Efficiently, and Promptly attended to, by

The Roberts Advertising Agency,

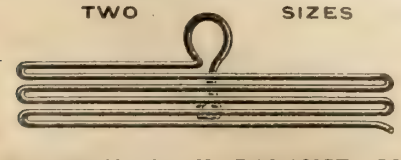
WINNIPEG CANADA.

Standard Paint & Varnish Works, Limited
Makers of High Grade Varnishes, Japans, Paints, Colors & Enamels.
Windsor, Ont.

"PULLMAN"

TROUSER or SKIRT HANGERS

TWO SIZES



PULLMAN SASH BALANCE CO.,
ROCHESTER, N.Y., U.S.A.

STEVENS ALL STEEL TOOLS

— ARE —

STANDARD FOR QUALITY.

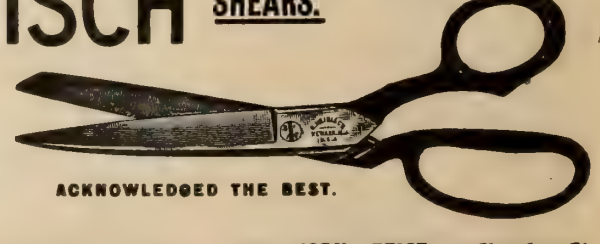
Your stock is not complete without a full line of our **Rifles, Shotguns, Pistols, Tools and Victor Bicycles.**

Handled by the Leading Jobbers.

J. Stevens Arms & Tool Co., P.O. Box 217 **Chicopee Falls, Mass., U.S.A.**

CELEBRATED **HEINISCH** SHEARS.

Tailors' Shears, Trimmers, Scissors, Tinners' Snips, etc.



ACKNOWLEDGED THE BEST.

R. HEINISCH'S SONS CO. NEW YORK OFFICE, 90 Chambers St. NEWARK, N.J., U.S.A.

Not connected with any Shear Combination.



Ontario Nut Works, Paris

BROWN & CO.

Manufacturers of

All sizes of Hot Pressed Nuts, Square and Hexagon.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker,

13 St. John Street, Montreal

Representing British and American Manufacturers. Correspondence invited from firms wishing to be represented in Canada.

"THE EMLYN" SAW BENCH

Made in 6 sizes. Best value obtainable. Specially designed for export With or without "Emlyn" Patent Guard. Sole maker—

CHARLES D. PHILLIPS,

Cables—"Machinery," Newport. Emlyn Engineering Works, NEWPORT, MON., ENGLAND.

ONTARIO SILVER CO.,

Limited,

NIAGARA FALLS, CANADA.

Manufacturers of **FLATWARE, CUTLERY and ELECTRO PLATE. . . .**

Ask for our Catalogue and Quotations.

Removal Notice.

The Batty Stove & Hardware Co.

Successors to

The Toronto Branch of THE COPP BROS. CO., Limited.

Have removed their Offices and Warerooms to **76 YORK ST.** (south of King), where they will continue in the wholesale trade only, handling

STOVES AND RANGES
STOVE REPAIRS, ETC.
MANTELS, GRATES AND TILES
HOT-AIR REGISTERS A SPECIALTY

New Address—76 York Street.

HAND-FORGED **HAND-GROUND**

BUTCHER KNIVES

Made from Best English Double Shear Steel



Fully Warranted

STANDARD SHAPES AND HIGHLY POLISHED

Also

Steel-Laid Shears and Scissors and Hand-Forged Razors

Made by

BAILEY CUTLERY CO., LIMITED

Write for Catalogue. **BRANTFORD, CANADA.**

CHAS. F. CLARK, President. **JARED CHITTENDEN, Treasurer.**

...ESTABLISHED 1849...

BRADSTREET'S

Capital and Surplus, $1,500,000. **Offices Throughout the Civilized World.**

Executive Offices: Nos. 346 and 348 Broadway, New York City, U.S.A.

THE BRADSTREET COMPANY gathers information that reflects the financial condition and the controlling circumstances of every seeker of mercantile credit. Its business may be defined as of the merchants, by the merchants, for the merchants. In procuring, verifying and promulgating information, no effort is spared, and no reasonable expense considered too great, that the results may justify its claim as an authority on all matters affecting commercial affairs and mercantile credit. Its offices and connections have been steadily extended, and it furnishes information concerning mercantile persons throughout the civilized world.

Subscriptions are based on the service furnished, and are available only by reputable wholesale, jobbing and manufacturing concerns, and by responsible and worthy financial, fiduciary and business corporations. Specific terms may be obtained by addressing the Company at any of its offices. **Correspondence Invited.**

——OFFICES IN CANADA——

HALIFAX, N.S.	HAMILTON, ONT.	LONDON, ONT.	MONTREAL, QUE.
OTTAWA, ONT.	QUEBEC, QUE.	ST. JOHN, N.B.	TORONTO, ONT.
VANCOUVER, B.C.	VICTORIA, B.C.	WINNIPEG, MAN.	

THOS. C. IRVING, Gen. Man. Western Canada, Toronto. JOHN A. FULTON, Gen. Man. Eastern Canada, Montreal.



Canadian Representative: ALEXANDER GIBB, 13 St. John St., MONTREAL.

75 YEARS. *ESTABLISHED 1825.* *75 YEARS.*

BEAMS CHANNELS ANGLES PLATES

1,500 TONS FOR SALE

All of this material in lengths from 40 to 60 feet.
We can ship promptly, and should be pleased to receive your order.
Prices and stock lists on application.

STEEL FRAME BUILDINGS and ROOF TRUSSES.

Also Steel Bridges for Railways and Highways.

THE HAMILTON BRIDGE WORKS COMPANY LIMITED

Long Distance Telephone, Hamilton 630. HAMILTON, CANADA.



Est. 1866 Inc. 1895

Black Diamond File Works

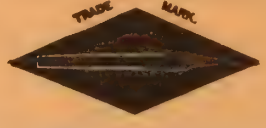
G. & H. Barnett Company

PHILADELPHIA

Twelve Medals



Awarded
By **JURORS** at
International Expositions
Special Prize
Gold Medal at Atlanta, 1895



RUBBER HOSE

FOR

Water	Air	Suction
Steam	Acids	Fire Protection
Gas	Brewers	Pneumatic Tools

SUPERIOR IN QUALITY.
SATISFACTORY IN SERVICE.

When you want anything made of rubber, write to us.

THE GUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

Head Office and Warerooms—
45-47-49 West Front St.

TORONTO,

Factories—115-165 West Lodge Ave.
124-148 O'Hara Ave.

CANADA.

We can quote lowest prices for the following goods in quantities, viz.:

BLACK STEEL SHEETS.
POLISHED STEEL SHEETS.
RANGE STEEL.
GALVANIZED SHEETS.
CANADA PLATES.
SHEET COPPER.
SHEET ZINC.
TIN PLATES—Coke and Charcoal.
WINDOW GLASS
PLATE GLASS.
WHITE LEAD.
RED LEAD.

Send us your enquiries when next in the market.

B. & S. H. THOMPSON & CO.

53 St. Sulpice Street,

MONTREAL.

VARNISHES AND JAPANS

McCASKILL, DOUGALL & CO.

Manufacturers **MONTREAL**



Standard Railway and Carriage Varnishes
Standard Boat and Spar Varnishes
—Wont turn white from the effects of water and sun.
Standard Piano, Furniture and Decorative Varnishes
Zanzerine Transparent Wood Finishes and Varnishes
Architectural Varnishes

OFFICES:

161 Summer St., BOSTON, Mass., U.S.A.
30 St. John St., MONTREAL.

Bearings,
LANGWELL'S BABBIT
MONTREAL.

CANADIAN

HARDWARE AND METAL MERCHANT

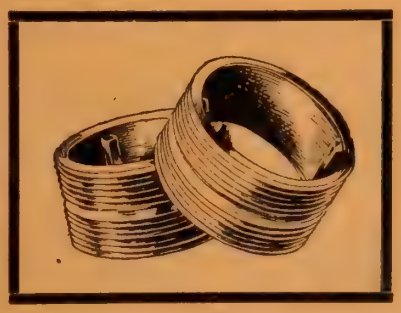
The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XIV. MONTREAL AND TORONTO, MAY 24, 1902 NO. 21.

POCKET KNIVES
H. BOKER & Cos
IMPROVED
TREE BRAND
TRADE MARK
RAZORS CUTLERY SCISSORS
FOR SALE BY LEADING WHOLESALE HARDWARE HOUSES.

Canadian Branch:
JOHN LYSAGHT,
Limited,
509-512 Merchants Bank Building,
MONTREAL, QUE.
A. C. LESLIE & CO., Managers.

"That Made the Hit"



This is a drawing of the Patent Connection that made the "SAFFORD" famous the world over; that revolutionized radiator building; that made it possible to put a radiator together without bolts, red lead, rods or packing.

The "SAFFORD" is the only radiator on the market for hot-water and steam heating. It means satisfaction every time—is easy to handle for the contractor.

If you have not our Catalogue, write to us.

THE DOMINION RADIATOR CO., Limited
Head Office and Works: DUFFERIN ST. TORONTO, CAN.

LAWN

VASES
SEATS
MOWERS
ROLLERS
HOSE
SPRINKLERS

—AT—

RICE LEWIS & SON
LIMITED

Write for Catalogue and Prices.

TORONTO.

METALS

Antimony
Copper
Lead
Tin
Zinc

M. & L. SAMUEL, BENJAMIN & CO.

27 Wellington St. West,

TORONTO, ONT.

English House: SAMUEL, SONS & BENJAMIN, 164 Fenchurch St., LONDON, E.C.

THEY'RE ALL ALIKE

THAT'S THE BEAUTY OF THE

CARBO MAGNETIC

ALL JUST ALIKE



No Saw Edges
No Soft Spots
No Temper Streaks
No Returned Blades to the Dealer
Will Shave for Years Without Requiring Honing

Sold by all Leading Jobbers.

BOOKLET COMING— if you'll ask for a copy with trade discount.

FIRM OF

A. L. SILBERSTEIN

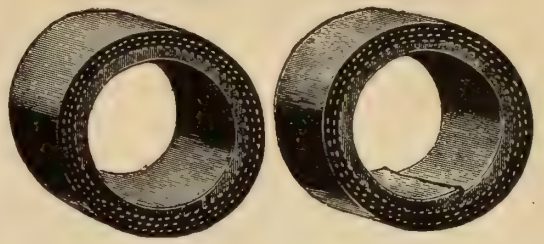
Mfrs. of "Griffon" CUTLERY

459-461 Broadway, NEW YORK CITY.

GARDEN HOSE

Seamless Tube.

SEAMLESS TUBE LAPPED TUBE



All brands of our **GARDEN HOSE** are made with our

Patent Seamless Tube

WRITE FOR DISCOUNTS.

The Canadian Rubber Co.

MONTREAL TORONTO WINNIPEG

Other Tools are very good Tools, but

"YANKEE TOOLS"

ARE BETTER



No. 15. "Yankee" Ratchet Screw Driver, with Finger Turn on Blade.



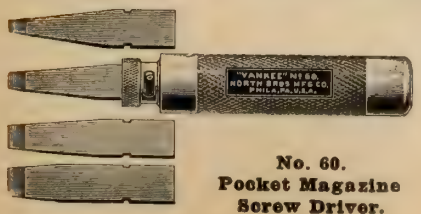
No. 30. "Yankee" Spiral-Ratchet Screw Driver, Right and Left Hand.



No. 41. "Yankee" Automatic Drill, Eight Drill Points in Handle.



No. 50. "Yankee" Reciprocating Drill, for Iron, Steel, Brass, Wood, etc.



No. 60. Pocket Magazine Screw Driver.

Our "YANKEE" Tool Book tells all about them. Mailed free on application. . . . . .

Manufacturers also of

LIGHTNING, GEM and BLIZZARD Ice Cream Freezers.

Toy Freezers, Ice Shaves and Ice Chippers.

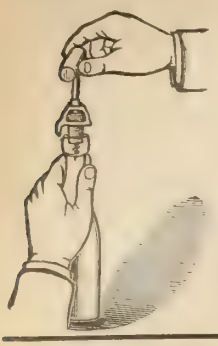
Fluting Machines, Hand Fluters.

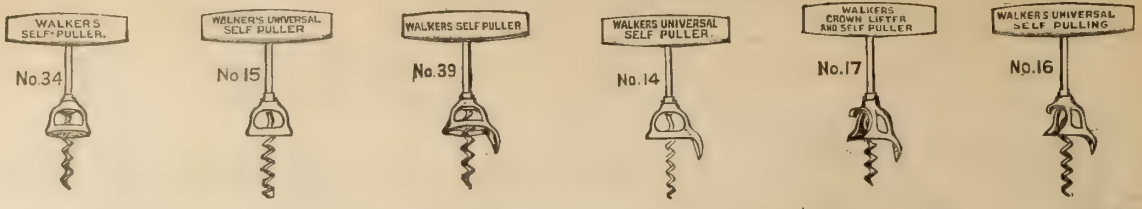
Sold by Leading Jobbers in Canada.

NORTH BROS. MFG. CO.,

Philadelphia, Pa., U.S.A.

See! You Don't Have to Pull. A Child Can Do It.



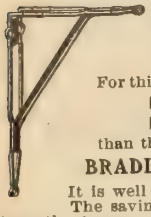


Walker's Self-Pulling Cork Screws

Made of Crucible Steel, Nickel Plated, Polished Apple Wood Handles.

EVERY ONE TESTED AND GUARANTEED. Several imitations on the market, but none as good.

Mfrd. only by ERIE SPECIALTY CO., Erie, Pa., U.S.A.



Will Hold Up a Shelf!

That's what a shelf bracket is for.
For this purpose there can be
NOTHING BETTER
NOTHING CHEAPER
than the . . . .
BRADLEY STEEL SHELF BRACKET

It is well **Japanned, Strong** and **Light;** The saving in freight is a good profit, aside from the **lower price** at which the goods are sold.

☞ Order direct or through your jobber.

ATLAS MFG. CO., New Haven, Conn., U.S.A.

GALVANIZING

Our plant is modern, and capacity large. Prices O.K. Other branches:

WINDMILLS, PUMPS, TANKS, FOUNDRY WORK, ETC., ETC.

Ontario Wind Engine & Pump Co., Limited, 505 Atlantic Ave., Toronto.

Lockerby & McComb

AGENTS IN CANADA

FOR THE

Celebrated P. & B. Cold Storage Lining

AND

. . Ruberoid Roofing . .

P. S.--Prices on Application.

65 Shannon Street, MONTREAL.

Stove Bricks.

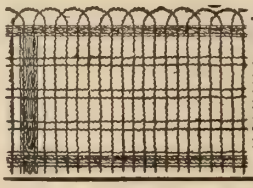
We have them in every variety and at closest prices. Prompt shipment. Write for Catalogue.

JONES BROS., Bracondale, P.O., Ont.

Lace Leather

Send direct to us for the celebrated "NIAGARA" Brand Lace Leather, best produced in this country. Yellow and White in Sides or Cut Strings. Prices and Samples on application.

WOOD BROS.
Tanners of High-Class Leathers,
ST. CATHARINES, ONT.



Page Metal Ornamental Fence. We now make fence that is ornamental, very showy and surprisingly cheap. It is just what is wanted for door yards, division fences in town lots, grave yards, orchards, etc. It is painted and retails at only **20 cts. PER RUNNING FOOT.** Just think of it. Let us send you full particulars. We also make farm fence, poultry netting, nails and staples.
The Page Wire Fence Co., Limited, Walkerville, Ont. 8

BISHOP & CO.

Established 1850.

27 and 28 Little Trinity Lane, - LONDON, ENG.

54 Scotland St., SHEFFIELD — Table Cutlery, all qualities.

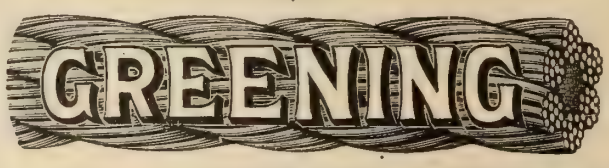
23 Vittoria St., BIRMINGHAM — Wrought Steel Pots, round or oval. Tinned inside or enamelled.

Samples on view at the following Agencies:—

Alex. Thurber, 446 St. Paul St., - - MONTREAL.
E. Fielding, 34 Yonge St., - - TORONTO.
E. L. Denoncourt, 74 St. Joseph St., - QUEBEC.

WIRE ROPE

Wire Rope. OF



All Kinds and Sizes AND FOR **All Purposes.**

PRICES RIGHT. PROMPT SHIPMENTS.

The B. GREENING WIRE CO., Limited

Hamilton, Ont. **Montreal, Que.**

FILES. RASPS.

WE ARE NOT IN THE TRUST.

Quality of our goods guaranteed and our discounts very liberal. A trial order solicited. Write for discounts.

99 Niagara St., **TORONTO FILE CO.**

CANADIAN GOODS FOR CANADIANS.

The Zanzibar Paint Co., Limited

TORONTO. Sole Manfrs.

Zanzibar House Paints.
Strong Colors, Durable Gloss, Uniform and Smooth.

Zanzibar Floor Paints.
Easily Spread, Elastic and Durable—Dry Quickly and Hard.

Zanzibar Roof and Barn Paints.
Low Priced, Smooth Body, Weather-Proof.

Zanzibar Shingle Stains contain no anilines, but best pigments—Permanent Colors, Strong Preservative.

NOTE:—We're a strictly Canadian house, buying all we can in Canada, quality being equal, and we will appreciate your patronage or an opportunity to tell you more about ourselves and our goods.

STEADY SELLERS. STUPENDOUS SALES.
SOME SPECIAL SPRING SHACKLE STYLES.

It will not be out of season to include **SPRING** Padlocks in placing your order for **SUMMER** goods.

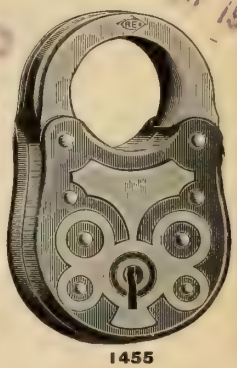
Consult our Padlock Catalogue for patterns not shown here. Mailed upon request.



4107¼



7425

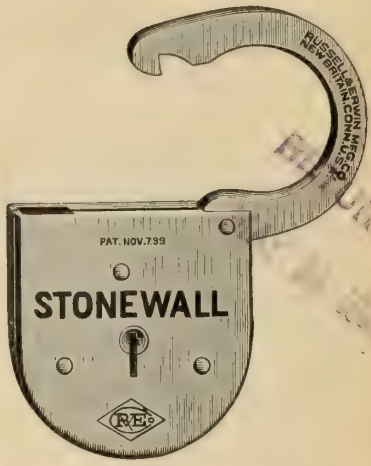

1455



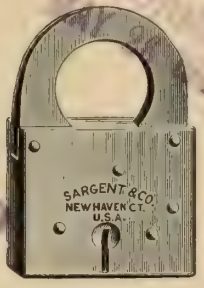
2916¼



4117¼



01461



482



496



4122¼

THE LARGEST STOCK
THE GREATEST VARIETY
Of Padlocks
OF
ANY
HOUSE
IN
CANADA.

No.	Width.	Case.	Shackle.	Levers.	Keys.
4107¼	2-inch	Brassed Steel	Heavy, Spring	6	2 iron
4117¼	2-inch	" "	Brassed Steel	2	2 flat N.P.
4122¼	2¼-inch	" "	" "	2	2 " "
2916¼	2⅝-inch	Bright "	Bright "	8	2 double bitted
7425	1¾-inch	Bronze-Plated	Brass	2	2 flat N.P.
1455	2-inch	Emb'sed Steel	"	4	2 " "
01461	2½-inch	Brassed Steel	Brassed Steel	2	2 " "
482	1¾-inch	" "	" "	(Brass Works)	2 flat steel
496	2-inch	Black "	Malleable	" "	2 " "

LEWIS BROS. & CO.

Toronto: 87 York Street. MONTREAL Ottawa: 54 Queen Street

WE SET THE PACE FOR QUICK SHIPMENTS.

HENRY ROGERS, SONS & CO.,

SHEFFIELD, ENGLAND

Manufacturers of the celebrated



H R S &C°

FIREBRICKS,
"Vulcan," "Forth," and "Phœnix."
CEMENT, "Lion" and "Maine" brands.
CANADA PLATES, "H. R. S. & CO."
TINPLATES, "ROGERS'" COKES.
"H. R. S. & CO." CHARCOALS.

Canadian Office:
6 ST. SACRAMENT ST., MONTREAL
F. A. YORK, Manager.

ROBLIN'S PATENT MILKING PAILS.



Latest and Best.
These pails are made of IX old method Tin, with patent locking attachment on covers so milk cannot spill, also furnished with strainer in cover, keeping milk pure.
Manufactured by
E. T. WRIGHT & CO., Hamilton and Montreal.

KNOX HENRY

Heavy Hardware and Metal Broker
Room 32 Canada Life Bldg., MONTREAL.



Samples sent free on application.
HORSE NAILS—"C" Brand Horse - Nails Canada Horse Nail Co.
"BRASSITE" GOODS — Gunn Castor Co. Limited, Birmingham, Eng.

STANDARD TIN WORKS

MANUFACTURERS OF

TINWARE AND TIN CANS

Fruit Cans, Meat Cans,
Jacketed Oil Cans,
Baking Powder Cans,
Lard Pails, Etc.

JAS. A. McGOLPIN
156-162 Duke Street, TORONTO.

"FACTS ARE STUBBORN THINGS."

Enterprising Merchants understand that it is easy to sell goods that are in demand, and are known to be reliable. It is an admitted fact that CHURCH'S Cold Water

ALABASTINE

is a wall-coating of wide merit. It has stood the test of time.

M. B. Church was the first to offer to the trade a practical wall-coating adapted for use by mixing in cold water. The compound is patented, and the process of manufacturing is patented in Canada and other countries.

If offered a substitute, or something "just as good," bear in mind that the party so offering may well be regarded with suspicion. There is only one CHURCH'S ALABASTINE, and nothing manufactured for the purpose equal to it.

Attempts have been made to imitate ALABASTINE, which of course is the "sincerest flattery," but it is the genuine ALABASTINE that is in demand, and in selling it there is no risk on account of infringement on anybody's rights.

Our goods, our advertising, our business methods are up-to-date. Prices are right, terms easy, and supply of advertising matter liberal. Is your assortment complete? Prompt service to all.

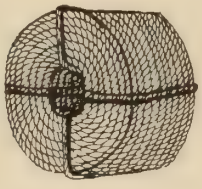
Address, THE ALABASTINE CO., LIMITED, Paris, Ont.

—The Trade supplied by—

Sanderson Pearcy & Co., Toronto, Ont.
Wood, Vallance & Co., Hamilton, Ont.
Hobbs Hardware Co., London, Ont.
Vancouver Hardware Co., Vancouver, B C.
William Hill, Montreal, P.Q.
W. H. Thorne & Co., St. John, N.B.
G. F. Stephens & Co., Winnipeg, Man.
Miller, Morse & Co., Winnipeg, Man.

THE INDEPENDENT CORDAGE CO., Limited,

TORONTO.



Highest Award Pan-American Exposition.

MANUFACTURERS OF ALL KINDS OF

SISAL MANILA ROPE, Lath Yarn, Shingle Yarn, Hide Cord, Pulp Cord, Clothes Lines BINDER TWINE

Transmission Rope a Specialty.

Would You like to be pointed out as doing the paint trade of your town?

We have, first of all, the **Paint** which will bring it about and, secondly, the **Business Methods** which will place it on a solid, lasting foundation. Let us hear from you.

HOLLYWOOD TRADE MIXED MARK PAINT

THE HOLLYWOOD PAINT CO., Limited

Buffalo, Chicago,
New York, Columbus, O.

CANADIAN WORKS - HAMILTON, ONT.

TRADE NOBLES & HOARE NH LONDON MARK

Nobles & Hoare.

CORNWALL ROAD STAMFORD STREET.

LONDON, ENG.

Manufacturers of
HIGH-CLASS VARNISHES ONLY

Which can be obtained direct from the works or from the principal Color Dealers in Canada.

THE BELLEVILLE BUSINESS COLLEGE, LIMITED

BELLEVILLE, ONTARIO.

Send for handsome Catalogue fully describing all Courses taught.

J. Frith Jeffers, M.A., Principal.

WE TALK

FACTS, PATENTS, QUALITY QUANTITY, PRICE. . .

FOR FACTS. Here are a **few samples** from all parts of the world:

Messrs. Williamson, Croft & Co'y, Sydney, Australia, write: "For over six years we have been supplying our clients with Muralo. The increasing business in same is sufficient proof of the satisfaction it is giving."

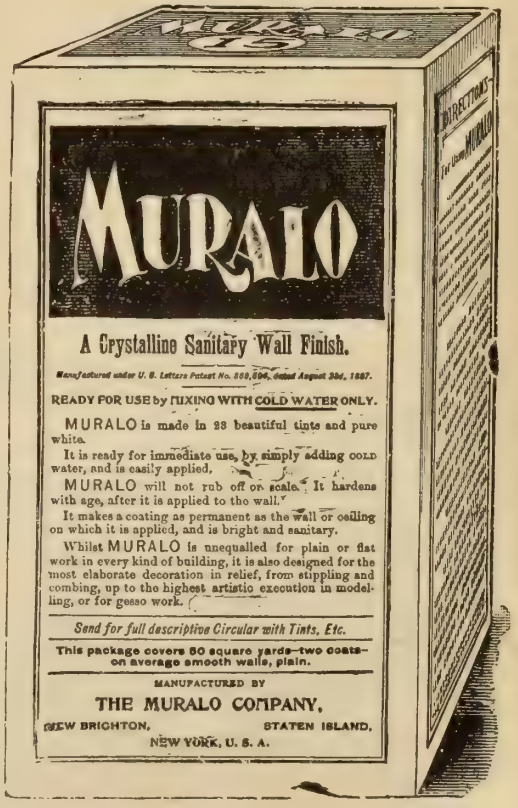
Lyman-Eliel Drug Co., of Minneapolis, Minn., write; "We are now going into our sixth year on Muralo, and can say that no other wall coating we have ever sold gives the satisfaction that Muralo does."

Carpenter-Morton Co., of Boston, Mass., write: "We are perfectly satisfied your products are the best made in their line."

Cleveland Window Glass Co., of Cleveland, Ohio, write: "Would say we have had the best of satisfaction from Muralo and all goods furnished by you."

S. E. M. Rice, of Newark, N.J., writes: "We have never had any wall coating which compares with Muralo and Calcimo, as shown in the increase of our business. We have enjoyed handling same."

D. M. Murray Co., of Cape Town, S.A., write: "Muralo is a satisfactory wall coating, and we herewith enclose our order as usual."



FOR PATENTS. See the fac-simile of Muralo package for the number of the "original patent and process" for making "cold water" wall coatings.

FOR QUALITY. We allow our customers' words to speak for us. Every up-to-date dealer will confirm the above statements. Besides this, Muralo is made from the best selected stone taken from our Nova Scotia quarries.

FOR QUANTITY. Each package contains five pounds, full weight, which will make more paint when in solution than wall coatings of other manufacture and will cover more surface. Muralo is the recognized "Standard" the "wide World over."

FOR PRICE. Making the best goods and selling in large quantities, we can afford to give our agents lowest prices with the most liberal discounts.

Our factory covering many acres, and our large fully equipped printing plant is at your service. We supply advertising matter that talks for our Agents.

FURTHER INFORMATION CHEERFULLY FURNISHED BY THE MANUFACTURERS, OR THE TRADE SUPPLIED BY

A. Ramsay & Son, - - - Montreal
J. H. Ashdown Hardware Co., Limited, Winnipeg
McLennan, McFeely & CO., - Vancouver

The Best Selling Range Ever Made.

popular with dealers in every part of the country because it is so enthusiastically praised by every buyer.

Our Imperial Oxford

has won its laurels—it is the favorite range of Canada —widely advertised and everywhere appreciated for its practical superiority.

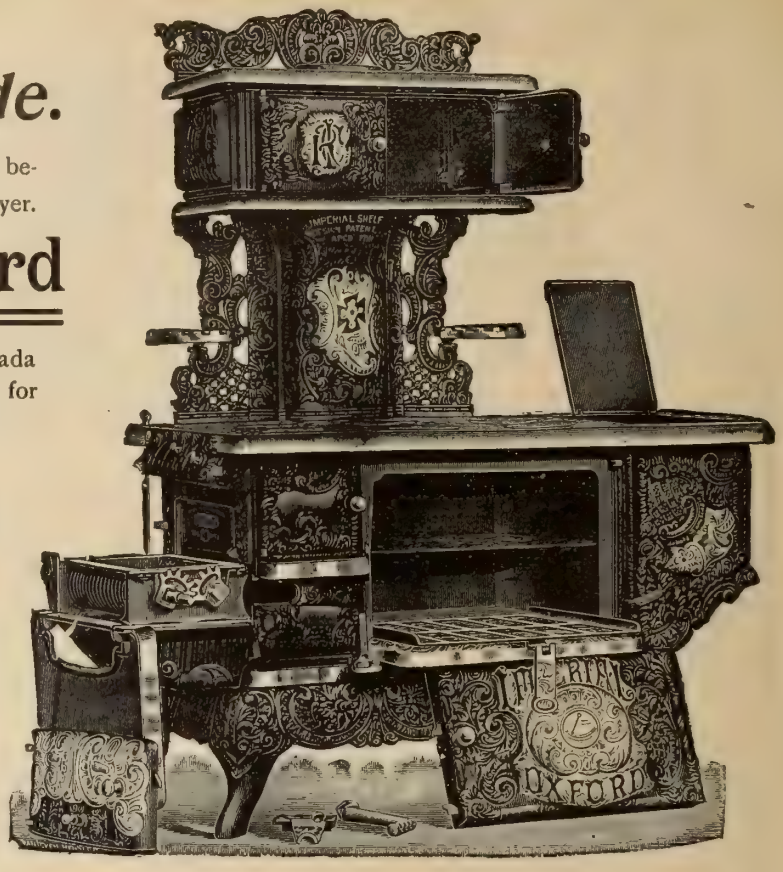
Are you familiar with its
Diffusive Flue Construction
Front Draw-Out Grate
Draw-Out Oven Rack
and other talking points

?

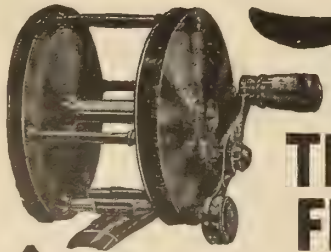
If there's any range business in your locality you'll get it by handling the Imperial Oxford. Fullest details if you write

THE GURNEY FOUNDRY CO., Limited

TORONTO. WINNIPEG. VANCOUVER.



THE GURNEY-MASSEY CO., LIMITED, MONTREAL.



ON TRIAL FREE

Shakespeare Reels and Baits.

Wm. Shakespeare, Jr., of Kalamazoo, Mich., "maker of fine reels and baits that catch fish," wants every dealer in the U. S. and Canada to have a personal knowledge of the fine points of the Shakespeare reels and the marvelous attractiveness of the Shakespeare Baits. He will gladly send samples of his reels and baits for examination, express prepaid, to any reliable sporting goods dealer, or dealer who handles a line of fishing tackle, upon receipt of his name and address. After examination, if he does not wish to keep the assortment in stock the dealer may return the tackle to Mr. Shakespeare and he will pay the return charges.

Wm. Shakespeare, Jr., devotes all his time and ability to making fine reels and bait that catch fish. The baits are so successful in attracting and catching the biggest fish and the reels are so beautiful in design, so exquisitely finished and withal so strong and serviceable the angler who is so fortunate as to own one cherishes it as his dearest and most valued possession.

Write to-day to Mr. Shakespeare; ask him to send you samples of reels and baits together with his charming and delightful little books on "How to Catch Bass," "The Fine Points About Tackle" and "The Art of Bait Casting" all of which are free.

WM. SHAKESPEARE, JR.,
168 Shakespeare Bldg., Kalamazoo, Mich.

CANADA FOUNDRY CO. LIMITED.

WE LEAD

IN THE MANUFACTURE OF:

Cold Pressed Nuts,
Square and Hexagon,
Finished and Semi-Finished,
Cap Screws,
Set Screws,
Thumb Screws, Bolts,
Special Milled Work, etc.

14-16 King St. East, TORONTO.

MISTRESSES AND MAIDS

DON'T OFTEN AGREE, BUT IN THOUSANDS OF HOMES WHERE

The World's Knife-Cleaning Machine

IS USED, THEY ARE OF ONE MIND AS TO ITS EXTRAORDINARY MERITS. By Royal Letters Patent.

WHAT IT WILL DO

It will clean any sort, shape, or size of knife.
It will clean, easily, at the rate of 500 knives per hour.
It will make knife-cleaning a pleasure.
It will easily command a large sale.
It will do away with all excuses for dirty knives.
It will feed itself with powder.
It will prove itself the best of all knife-cleaners.

WHAT IT WILL NOT DO

It will not damage the blades or handles.
It will not make any dust or dirt.
It will not cause any worry or trouble.
It will not want constant repairing.
It will not soil the hands of the user.



Size—11 inches x 11 inches x 7½ inches high.
Weight about 12 lbs.
Over 25,000 sold in England last year.

WHAT IT COSTS IN COMPARISON WITH OTHERS.

Possessing all the merits and none of the faults of high-class, expensive machines, it yet compares favorably with all these in price, and the cost is not $25 or $30, but simply - - - - ☞

British-made throughout. Handsome Electro-Coppered. Complete in wood box, with tin of Knife Polish. It has only to be seen to be at once appreciated and to command a ready sale.

Retail Price,

$4.50

Only.

TRADE AND SHIPPERS ONLY SUPPLIED.

Special Prize Medal, Cookery and Foods Exhibition, London, Eng., 1901.
Highest Award, Gold Medal, Military Exhibition, London, Eng., 1901.

SPECIAL TRADE DISCOUNTS:

For lots of 12 Machines, 50 and 5 per cent. For lots of 72 Machines, 50 and 15 per cent.
" 36 " 50 and 10 " " 144 " 50 and 20 "

Electros Free. Superb, Expensive Show Cards Free.

PATENTEES AND MANUFACTURERS:

WORLD'S MANUFACTURING CO., 66-68 Victoria Street, - - LONDON, S.W.

ESTABLISHED 1750

THE EDINBURGH ROPERIE & SAILCLOTH Co Ld

(TELEGRAPHIC ADDRESS ROPERIE) **LEITH** SCOTLAND





MANUFACTURERS OF EVERY DESCRIPTION OF



CORDAGE & CANVAS



MANILA ROPE
SISAL ROPE
NEW ZEALAND ROPE
RUSSIAN ROPE
JUTE ROPE
FISHING LINES
NETTING TWINES
PARCEL TWINES
SPUNYARNS & PACKINGS
BAILING ROPES & CORDS

TRADE MARK E R Co 1750

SAILCLOTH
STEAMER CLOTHS
AWNINGS
TENT CLOTHS
DUCKS
PRESSING CLOTHS
TARPAULINGS
CHEMICAL WATERPROOF
SEAMING TWINES
ROPING TWINES



BUYERS OWN SAMPLES MATCHED AT LOWEST TRADE TERMS

ADDRESS ALL COMMUNICATIONS TO OUR CANADIAN OFFICE AND STORES,

THE EDINBURGH ROPERIE & SAILCLOTH CO'Y, Limited, - - 9 St. Peter Street, MONTREAL.

ELECTROS—ONE CENT EACH

IF you want an electro of our Lawn Mowers, Screen Door Hinges, or any of the lines we manufacture, to use in your local paper, a request on a **ONE CENT** post card will secure it.

If you haven't a copy of our 1902 catalogue, or our special Lawn Mower catalogue, a request on a **ONE CENT** post card will secure them.

We only sell through the Wholesale Trade.

We Lead in Quality and Compete in Price.

A. R. WOODYATT & CO., GUELPH, ONT.

Seasonable Suggestions



Water Coolers.

Made in five sizes.
Artistically decorated in attractive designs.
They have Nickel-plated Faucets and are substantially made.
Each one is carefully packed in a wooden box.



Water Pots.

Plain. Japanned. Galvanized. Six sizes.
All our Cans have the patent Zinc Rose, which can be easily taken apart for cleaning.
They are all well finished, strong and durable.

WE CARRY A FULL LINE OF METALS.
Canada Plate and Galvanized Iron from stock or for import.
WE WILL BE PLEASED TO QUOTE YOU.

KEMP MANUFACTURING CO., TORONTO, CANADA.

HARDWARE AND METAL

VOL. XIV. MONTREAL AND TORONTO, MAY 24, 1902. NO. 21.

President:
JOHN BAYNE MacLEAN,
Montreal.

The MacLean Publishing Co.
Limited

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P.E. Island and Newfoundland.

OFFICES.

MONTREAL - - - 232 McGill Street. Telephone 1255.
TORONTO - - - 10 Front Street East. Telephone 2701 and 2702.
LONDON, ENG. - - 109 Fleet Street, E.C. W. H, Miln.
MANCHESTER, ENG. - - 18 St. Ann Street. H. S. Ashburner.
WINNIPEG - - - Western Canada Block. J. J. Roberts.
VANCOUVER, B.C. - - - Flack Block. J. A. Macdonald.
ST. JOHN, N.B. - - No. 3 Market Wharf. J. Hunter White.
NEW YORK - Room 443 New York Life Bldg.

Subscription, Canada and United States, $2.00.
Great Britain and elsewhere - - - 12s.

Published every Saturday.

Cable Address { Adscript, London. / Adscript, Canada.

WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

THE TRADE COMMISSIONERSHIP.

A JOINT deputation of the Canadian Manufacturers' Association and the Boards of Trade of Toronto and Ottawa waited upon the Dominion Government last week in regard to the appointment of a trade commissioner in Great Britain. The following memorial was presented :

That the Dominion Government be urged to secure a building in a suitable district of London for the purpose of exhibiting the food and other natural products and the manufactures of Canada ; that this building contain not only exhibits of Canadian goods, but that office facilities and sample-rooms be provided there, to be rented to Canadian firms ; that the whole building be under the control of a trade commissioner, appointed by the Dominion Government, who shall be thoroughly acquainted with the resources and manufactures of the Dominion ; that each Province be represented by a Provincial commissioner, who shall serve under the commissioner-in-chief, and shall be appointed and remunerated by the Provincial Government ; that the cost of the enterprise be defrayed by an annual appropriation from the Dominion Government, together with the rent derived from the various offices.

The demands of this memorial were pressed on the Ministers by Messrs. J. D. Allan, Hees, Ellis, Coats and Reid. Mr. J. D. Allan, of Toronto, was the chief speaker, and the fact that he has been making trips to Europe during the last 30 years eminenely fitted him for presenting the case of the petitioners.

The movement for the establishment of a trade commissioner in Great Britain, it is worthy of note, did not originate with any political organization, or party. It is purely a business movement and is the result of the visits of such business men as Mr. Allan to England. They have recognized time and again the necessity of such an official, but in spite of all their representations nothing has been done to carry out the views of the business men of this country.

Sir Richard Cartwright has persistently set his face against the requests of business men of this country in this particular. At any rate he has failed to do anything, notwithstanding the representations that have been repeatedly made to him. It is significant, therefore, that he was not present to meet the representatives of the boards of trade and The Canadian Manufacturers' Association in Ottawa last week. The Ministers present were : Sir Wilfrid Laurier, Hon. Wm. Mulock, and Hon. Wm. Paterson. Is Sir Richard so strongly opposed to the idea that he would not be one of the group of Ministers to meet the deputation of business men ?

It is gratifying to those who have been advocating the establishment of a trade commissionership in London to know that the deputation seems to have been more successful than any of its predecessors. At any rate, the reply of the Premier was more promising than anything yet experienced. He intimated that the Government was prepared to appoint a trade commissioner, and that $20,000 had been set apart for the purpose.

It is hoped that there will now be no futher delay in the matter, and that a suitable man will be appointed. It is to be hoped that whoever is appointed will receive the endorsation of the principal boards of trade and of the Canadian Manufacturers' Association. It would be an utter folly to appoint anyone to the position whose chief recommendation is political service. The man to represent Canada as trade commissioner must be a practical and able business man. Nothing else will suit the requirements of the case.

WISH THEY WERE IN CANADA.

The cables inform us that severe cold weather is being experienced in Great Britain, and that skating is going on in the north, while those who have visited England early for the Coronation are standing around shivering.

No doubt the many Canadians who are already in London for the purpose of taking part in or witnessing the Coronation proceedings are wishing they were back in the dry, balmy spring climate of their "old Canadian home."

EXPORT TRADE IN CANADIAN PIG IRON.

OUR exchanges just to hand announce the recent arrival on the Clyde of two more cargoes of Canadian pig iron, aggregating 10,200 tons, while still another cargo is on the way.

This again draws attention to the export trade of Canadian pig iron to the British market. This export trade during the present fiscal year has increased enormously in comparison with other years. Our own trade returns show that, for the nine months ending March, the total exports to Great Britain were 70,554 tons, valued at $672,740. Last year the quantity of pig iron exported to Great Britain during the nine months was only 1,524 tons, valued at $34,295. Our exports for the same period to all countries have very much increased also. To the United States, for example, we exported 5,109 tons, against 418 tons for the same period last year. The total exports for the nine months to all countries were 76,276 tons, valued at $738,442, compared with 2,958 tons, valued at $72,459, for the same period in 1901. The following table gives the exports for the nine months:

EXPORTS FOR NINE MONTHS.

	1902. Tons.	1901. Tons.
Great Britain	70,754	1,524
United States	5,109	418
Other countries	413	1,016
Total	76,276	2,958
Value of the above	$738,442	$72,459

It is significant that the exports of pig iron to Great Britain alone during the past nine months were in excess of the total production of pig iron in Canada in 1898. And it must be remembered that in the totals we have given for the nine months no account is taken of the cargoes of pig iron which have been sent to England since March, which would, of course, include the shipments noted above, so that even taking the two cargoes for which we have figures the total would be increased by over 10,000 tons, making it at least 86,475 tons.

These figures are most gratifying. Canada has now definitely taken her place among the iron exporting countries of the world. The total production of pig iron in Canada last year was, as we have already pointed out in a previous issue, about 245,000 gross tons, compared with about 87,000 tons the year before. Six years ago the production was less than 38,000 tons. Taking the furnaces in course of construction, and those which are already in operation, the aggregate capacity of the Canadian concerns is now about 1,100,000 gross tons.

There are furnaces at Ferrona, N.S., Hamilton, Ont., Midland, Ont., Deseronto, Ont., Radnor, Que., Drummondville, Que., and Sydney, N.S.

The most important furnaces in the course of construction are those at Sault Ste. Marie, where, as our readers are well aware, steel rails are already being turned out by the Clergue interest from iron made at the Midland furnace.

BRITISH HARDWARE EXPORTS TO CANADA.

The British trade returns continue to show an increase in the export of hardware and metals to Canada. In cutlery, the exports for the first four months of the present year were valued at £17,677, compared with £13 341 the same period last year. In pig iron there was also quite an increase, the total being 4,495 tons, compared with 706 tons. In tinplates, almost double the quantity was sent to Canada as compared with a few years ago, the figures being 6,073 tons, against 3,492.

The greatest increase of all was in railroad iron, there being for the four months 6,434 tons against 106 last year. In hardware, there was also an increase, the exports to Canada being valued at £9,411, while for the four months in 1901 the total was £7,218.

AN ADVANCE IN CEMENT.

THERE has been an advance of 10c. per bbl. in the carload price of Canadian portland and hydraulic cements. The demand for cement has been heavier than usual of late, both in Canada and the United States, owing to the large extent of the building operations this year in the two countries and to the increased uses to which that article is being put every season. The unparalleled demand for it in the United States has resulted in none of their cement being offered on the Canadian market for some time, leaving the field clear for our own manufacturers. Combined with this big demand, the indications of a scarcity and advance in coal, on account of the lock-out of the coal-miners in the United States, have induced the manufacturers here to advance their prices.

A large quantity of coal is used in the manufacture of cement, and the cement people over here have taken the above action as a preventative of excessive buying by their customers in anticipation of such an advance.

EXAMINATIONS FOR HARDWARE CLERKS.

A SOMEWHAT interesting position has been taken by the Ironmongers' Federated Association at its recent conference in Birmingham in regard to the apprenticeship question. A resolution, which reads as follows, was introduced by one of the hardwaremen present: "That this conference deems it advisable to form an educational committee, which committee when appointed shall have power to hold examinations at given centres of apprentices and assistants employed by, or connected with, the members of the I.F.A."

This resolution was discussed at some length. The mover of the resolution contended that the adoption of his scheme would strengthen the federation, because the youth who had passed the examination would be relied upon to join the Association when he started in business for himself, and he suggested that the members pledge themselves to take no apprentices who would not submit themselves for examination. He furthermore suggested that certificates of merit should be awarded to deserving candidates. Handwriting, he held, should be one of the examination subjects. We are told in the reports of the proceedings that this created some laughter. Is it possible that business men in Great Britain are finding the same difficulty as business men in Canada, of getting boys from the public schools who can write legibly and well?

When the resolution came to a vote it was carried with only two dissenting votes.

This is a subject that the few hardware associations which are in existence in Canada might take into their consideration as well. The better class of youths who enter the hardware trade as clerks will, of course, be the merchants in years to come.

TRADE IN COUNTRIES OTHER THAN OUR OWN.

WIRE NAILS IN THE STATES.

AN active demand continues for wire nails, but there is a noticeable improvement in the promptness with which mills are making shipments. Outside mills are seeking business to a considerable extent, and the opinion is expressed that but for the fancy prices which can be obtained for steel there would be more or less inequality in nail quotations. While the base price appears to be firmly maintained the differentials between carload lots to jobbers and retailers are not strictly adhered to. In some instances quotations for jobbers are made to retailers.—Iron Age.

EXTRAS ON CUT NAILS IN THE STATES.

The new list of extras on cut nails, adopted at the recent meeting of the manufacturers, carry considerable advances on the smaller sizes. The trade are somewhat skeptical as to whether the advances made in certain sizes, especially on 3d. fine, can be maintained. There is a good demand for cut nails, and some of the mills report that they are still unable to get steel as fast as needed. We quote cut nails at $2.05 base, in carloads, and $2.10 in less than carloads, f.o.b. Pittsburgh, plus freight in Tube Rate Book to point of destination.—Iron Age.

SHEETS IN THE UNITED STATES.

The demand for black and galvanized sheets is not so large as it was some time ago, but the mills are comfortably filled. However, reasonably prompt deliveries of both black and galvanized can be had. We quote No. 27 black sheets, box annealed, one pass through cold rolls, for desirable orders, at 2.95c. to 3c., and No. 28 at 3.05c. to 3.10c. Small lots from store bring 3.15c. to 3.25c. for No. 28. Galvanized sheets are somewhat quiet in demand, but the mills are pretty well filled up on old contracts. We quote at 70, 10 and 5 in carloads and 70 and 5 in small lots from store. All above prices are f.o.b. maker's mill.—Iron Age.

PIG IRON IN GREAT BRITAIN.

In the pig-iron branch of the trade the demand has fallen away to some extent; but the market has only been slightly affected as regards prices, which, however, have shaded off slightly as compared with last week. The change has, perhaps, been most acutely felt in connection with the better qualities of Cleveland pig iron; but as most of the producers have plenty of work on hand they have not pressed iron upon the market, and consequently quotations have only receded slightly, the reduction in the case of No. 3 Cleveland, amounting to about 3d. per ton. Hematite iron remains about the same, with mixed numbers at 60s. to 61s. in Barrow, and 57s. in Middlesbrough. The following is a statement of the present stocks in public stores :—

Public stores stocks, in tons :	Wednesday.
Connal's at Glasgow	52,900
Connal's at Middlesbrough	143,000
Connal's at Middlesbrough, hematite	300
West Coast hematite	15,350
N.E.R. Stores, Middlesbrough	360

During the week ending May 6, the stocks at Middlesbrough increased by 2,500 tons, while at Barrow and Glasgow there were decreases of 600 and 60 tons respectively. On the year there is an increase of 1,090 tons at Middlesbrough, and 400 tons at Barrow, but a decrease of 5,200 tons in Glasgow. The net change during the week is an increase of 1,800 tons, and during the year to date a decrease of 3,780 tons.—Iron and Coal Trades' Review, May 9.

MANUFACTURED IRON AND STEEL IN ENGLAND.

The market for finished materials shows but little change. The majority of manufacturers are fairly well placed in regard to orders, and many are well sold ahead. Prices remain at about the same level as last week and any changes in the future are likely to be in an upward, rather than a downward, direction. The rail trade is doing well and the output in this branch has been large of late. In Middlesbrough several good orders have recently been booked, both for railway and tramway rails, and inquiries continue somewhat numerous, it evidently having become apparent to consumers that the time to buy has arrived. Prices of heavy steel rails, which are 10s. higher than they were at the commencement of the year, are tending upwards, and £5 10s. net can now be realized, while for steel railway sleepers £6 7s 6d. is asked, and for cast-iron chairs £3 10s. net. The bar trade continues good and prices are unchanged, marked bars in South Staffordshire remaining at £8 10s. and common at £6 15s.—Iron and Coal Trades' Review, May 9.

BRITISH TINPLATE MARKET.

The tinplate market is firm, and prices have not materially altered. Russian buyers are ordering freely of oil-sizes—particularly 18¾ by 14—on the basis of 13s. 6d. to 13s. 9d., and there has also been a good demand for Siemens C. 10 by 20, which are firmly held for 19s. 9d. to 20s. per box. Finished black plate continues steady at from £11 7s. 6d. to £11 10s. per ton. As soon as the wage question is settled it is believed that The Blaina Iron and Tinplate Co. will recommence operations. Other firms are also preparing for increased trade. Messrs. Thomas, who control about 120 mills, and who have done much to dispel the charge so frequently made that Welsh makers are satisfied with antiquated machinery, are pushing on with their improvements.—Ironmonger, May 10.

NEW YORK METAL MARKET.

IRON.—The pig iron market is quiet. Although belated buyers are said to be taking full advantage of the opportunity afforded them to cover wants for the last five months of the year through the offerings of at least one of the large Southern furnace companies, there does not seem to be any very important businesses even in that direction. A number of sales of lots of 100 to 250 tons each are reported, with one or two orders for 500 tons. These were all for delivery from August forward and were made on the basis of $16 for No. 2 at the furnace. There is some inquiry for earlier deliveries, but very little material is procurable. For No. 2 to be shipped in June $17.50 Birmingham was the lowest figure named, and 100 tons sold at that. The Pennsylvania furnaces, it is reported, are not entertaining orders as the coal strike has put them out of the market for the present. Pittsburg reports a very quiet market, the large foundries in that district being fairly well supplied.

STEEL.—The steel situation is as strong as ever. None but foreign billets or sheet bars are now to be had, and these are scarce and high. Sales of steel rails for 1903 delivery are being made at $28 at the mill. Structural material is very hard to get in any quantity for reasonably early delivery, and is bringing premiums of 50 to 70c. per 100 lb. on list quotations. Bar iron is said to readily command 1.95 to 2c. when available for prompt delivery. Mail advices received from London to-day report no important change in the iron and steel situation on the other side, except that the market has been quieter, neither buyers nor sellers showing much disposition to enter into engagements far ahead.

TINPLATE.—Continued dullness characterizes this market, about the only movement being that on regular contract deliveries. Prices are unchanged.

The tone of the copper market was firm, but there was no further advance except in the price of electrolytic. There was some demand from consumers, but not much actual business was reported. There were sales of 100 tons standard for August delivery at 11.90c. and 900,000 lb. of casting for delivery, equal parts, in June, July and August, at 12c. The closing quotations for standard, spot to August delivery, were 11.85c. bid and 12c. asked; Lake, same deliveries, 12.25 @ 12.50c.; electrolytic, spot to June, 12.12½ @ 12.25, and July-August, 12 @ 12.25c.; casting was quoted at 12c. The London market opened firm and advanced 7s. 6d. by noon, but later it eased off, closing quiet at 2s. 6d. below the highest point for the day.

PIG TIN.—Under the influence heretofore noted the market was firm and closed ⅛ @ ¼c. higher than last night, though the business accomplished was comparatively small. The only reported sale was of 5 tons for June delivery at 29.87½c. The market closed quiet, with 30.12½c. bid and 30.50c. asked for spot, 30 @ 30.50c. for May and 29.75 @ 29.95c. for June. There was comparatively little business on the London market to-day. Spot closed 5c. lower than on Friday, while futures were 5s. higher. The tone was firm. The Minneapolis from London is here with 250 tons, which makes the total arrivals since the beginning of the month 2,090 tons. The Menominee has sailed from London for New York with 365 tons.

PIG LEAD.—There is nothing new in the situation, the market being quiet but steady. Quotations are based on 4.12½c. for lots of 50 tons or more. St. Louis was reported quiet at 3.95 @ 3.97½c. for soft Missouri, and 4c. for chemical hard. There was no change in London.

SPELTER.—The market remains very firm, but we hear of little business. Quotations remain at 4.45c. for spot and 4.37½ @ 4.42c. for June-July shipment from the West. The St. Louis market was firmer, with 4.25c. bid. No change was reported from London.

REGULUS ANTIMONY.—Trade was quiet but prices remained steady at 10½c. for Cookson's; 8 @ 8¼c. for Hallett's, and 7½ @ 8c. for other brands.—N. Y. Journal of Commerce, May 21.

WHY TWO YOUNG MEN OBTAINED GOOD POSITIONS.

"THERE is no dodging it any longer. We must have help. We could keep three men comfortably at work and where they are coming from I don't know. I'm sick and tired of these fellows with recommendations written by people who will write anything to get rid of a nuisance, and it seems to me I can stand a run of fever better than I can endure being besieged by the riffraff that the advertisement brings. I don't see any other way out of it. So here goes for the advertisement. We want three, but we'd better say one and take our pick. There'll be an army of them."

The junior member, on the well-established theory that silence gives consent, turned to his desk, wrote the advertisement and had it in the newspaper office in due time and came down in the morning braced for the dreaded task by an unusually good breakfast. He was not early enough to do any waiting for two applicants were there before him. A glance told him that these were not of his kind and after a brief exchange of questions and answers he found himself alone. At 9 o'clock a shadow fell upon the floor and, looking up, his glance took in a young man of something more than medium height, a good enough face, a bright eye and well dressed.

There was a simultaneous "Good morning" and the caller slipped into the chair by the desk, pushed his hat back from his forehead, crossed his legs, put his right elbow on the leaf which separated him from the man at the desk and began :

"Saw your advertisement in the morning paper and thought I'd drop in and see 'f there was anything in it. Live over 'n Belchertown. Good place enough, but no place for business. Pretty town, laid out fine, but don't grow any. Old Abner Belcher, way back, bought it from the Injuns and set up blacksmith's shop and set up business shoeing grasshoppers."

"May I ask what particular work you been doing."

"Well, I was coming to that. 'Tain't a great ways ahead and I'm one of these men that have to do things just so if I'm going to do 'em' at all. I've got it and my father's got it and I'm told my grandfather had it, so I guess you can put it down as a family trait. I had it dinged into me ever since I can remember : 'Boy, learn to do things your own way and then stick to it.' —Well, old Abner Belcher—"

At this moment the man at the desk was well aware that his suffering had begun, and, with the spirit of a martyr, had turned to his desk under the pretense of giving attention to some letters that were lying there, with the intention of ending the interview at the earliest possible moment. To his great relief another shadow darkened his office door, and a man of about the same age of the talker advanced, hat in hand, to the desk, where, after a respectful bow, he stood and waited for the man with his hat on to finish his sentence. It wasn't finished. By a series of "ands" and "buts," with no end of dashes, accompanied by numberless gestures of the elbow-resting arm, the narrative went on until Abner Belcher's story was told. Long before the tale was ended the office added to its number of callers, all of whom were barred back by the respectful but determined young fellow who, with his hat in hand, waited for his turn.

It is no exaggeration to say that a good half hour was wasted by the irrelevant nonsense. When it was well on its way there was a bustle at the door as if someone was going to have a look in, if it cost a leg, and then another bustle to get out if he had to sacrifice the other.

This done, he begged a sheet of paper and envelope of the bookkeeper, asked for the privilege of using a corner of his desk, wrote a few words, and, placing the note in the envelope, elbowed his way through the crowd now in the office, with a "Beg pardon for interrupting you, sir, but may I ask you to read this at your earliest opportunity?" and then, with a bow, elbowed his way out.

The story finished, the applicant came down to business :

"Now about this posish. I'd like to start in in the morning. You see, I haint got nothing to do and—"

"We sha'n't want you—allow this gentleman to take your chair. Good morning. Have a seat, sir ;" and the willing crowd gave way to the rejected candidate.

It is pleasant to say that the interview with the second man was short.

"I came to apply for the advertised position. My name is John Gray and I am at present with Coolidge & Blair. I have charge of the linen department."

There was a good look that took him all in, aided materially by the long study the man at the desk had been forced to give him, and then, with those few words that said enough and no more, came the following : "Call to-morrow at 9—I think I may engage you."

The rest of the morning passed drearily to the over-tasked merchant and when noon came he hurried to his luncheon, giving the office boy permission to murder any applicants that should come during his absence. He took with him the note that had been given to him and, having given his order, took it out to have the whole disagreeable morning's work finished and off his hands. This is what he read, in a plain and neat handwriting :

"Dear Sir—I came to see about the place. The office is full and I can't afford to wait. I have been with Willis & Coleman for five years and want to find a more responsible place where there is more work and more pay. Should you want to know more of me please call me over the Willis & Coleman phone and I will come at once.

"Respectfully,

"CALVIN WINTERS."

The junior member of the firm opened wide his eyes and mouth at the letter and beckoned to a waiter.

"Find Willis & Coleman's phone number and ask for Calvin Winters. Tell him I'm here and want him to come right over."

In five minutes the clerk who couldn't afford to wait was seated at the junior member's right and was answering questions at the rate of 60 miles an hour. The result was a good luncheon and an engagement where there was "more work and more pay." The next day at 9 o'clock sharp the young man who knew enough to take off his hat, to state directly and concisely what he wanted, and above all things to stop when he had got through, came in and in less than five minutes left with the understanding that his place would be ready for him the following Monday morning. He came and found the note-writer's hat-peg next his own. The two hats are hanging side by side to this day.

It is getting to be more and more the custom to probe successful salesmen and men of mark to find from them to what leading trait they attribute their prosperity and when these two men, now in middle life, were asked to answer the question the man who wrote the note replied : "How

WIRE NAILS
TACKS
WIRE

Prompt Shipments

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

is it, Jack? Don't you think that knowing what you want and stating it and stopping your noise when you get through will cover the ground?" and "Jack" answered: "I guess, Cal., that's the size of it"; and that is exactly what did the business.—RICHARD MALCOLM STRONG, in Michigan Tradesman.

NO DEBT—NO BUSINESS.

BY HENRY CLEWS.

"DEBT" is another term for "credit." If there were no debtors there would be no creditors, and if there were no such thing as credit the entire fabric of business enterprise would dwindle to infinitesimal proportions, and we would be carrying on a hand-to-mouth retail business, circumscribed in its possibilities and cumbersome in its manipulation.

Suppose, for example, business were done on the strict cash basis. A customer comes to me to purchase $5,000 worth of stock. He laboriously counts out his $5,000, which is recounted by my clerk or myself. I have to buy that stock and I have to count the money again when I present it to my seller, who, in turn, must go through the same process when he wishes to be a purchaser. We would soon have time for nothing but counting money, and our mercantile and financial transactions would dwindle until we had little, if any, money to count.

But see the process as it is in vogue to-day! One cheque pays 20 debts, and in its circuit from the maker to the seller and from one banking house to another it stands for the liquidation of a debt, and if these debts were not contracted business would wane and most of the Wall Street bankers and brokers would have to shut up shop.

Debt, instead of being a detriment, is a positive benefit to business. It is the spur for the honest man; it is the synonym for credit.

Credit means literally "belief." It is the belief—the credo of the business world. Once eliminate it from the equation and every commercial transaction will be the child of suspicion and mistrust. For if we can inspire no belief in our fellow-man we can obtain no credit. And it is who has the most credit who is deepest in debt.

A NEW MATCH.

Another kind of match, intended to supplant the phosphorous matches, which have been prohibited for a year, has lately been introduced in the Swedish market. The inventors of the new match are the engineers Landin and Jernander, of Stockholm, who have patented their invention in several countries. This match looks like the well-known potash and paraffin matches, which, however, by reason of the fact that they contain poisonous phosphorus, come under the same prohibition as the old and worthy lucifer match. But the new match, which has been named "Repstickan" (the scratch match), possesses a property which the potash match lacks, viz, it is damp-proof, and can therefore be lighted against a damp or wet surface, provided this is hard. The inventors claim that Repstickan is the least poisonous match in existence, the safety match not excepted.

The manufacture of the new matches, which at present is carried on for the inventors, has been entrusted to Lidkopings Tandsticksfabrik. It it is said that negotiations are going on for the sale of the patent in other countries.

A Wonderful Paint

The Sherwin-Williams Aluminum Paint



is a truly wonderful paint. It is one of the most adaptable paints on the market and is the best paint specialty a dealer can have on his shelves.

There are dozens of places around the house where it can be used to splendid advantage. It's the best thing in the world for steam pipes, steam radiators, stoves, hot water tanks, etc.

THE SHERWIN-WILLIAMS ALUMINUM PAINT outranks all similar products in so many respects as to practically stand alone. It has a velvety lustre, doesn't discolor, has no nauseating odor, won't blister, scale or crack, and has large covering capacity. In fact, it is such a useful paint and such a good paint, no dealer should be without it.

If you are not selling The S.-W. Aluminum Paint now, you would better send for a sample can, prices and full details.

THE SHERWIN-WILLIAMS CO.
PAINT AND VARNISH MAKERS.
CLEVELAND.
CHICAGO, NEW YORK, NEWARK, MONTREAL, BOSTON, TORONTO, SAN FRANCISCO. KANSAS CITY.

CUSTOMS REGULATIONS AT SKAGWAY.

The Toronto Board of Trade received a communication on May 12 from Skagway regarding Customs affairs at that place. The document is as follows:

The Skagway Chamber of Commerce ask your co-operation in obtaining from your Government Customs regulations at Skagway that will permit the warehousing in bond and subsequent re-entry of Canadian goods into Canada in broken bulk as the trade may require. The immense benefits that the people of the Canadian Yukon would derive from such a Customs regulation are too self-evident to require more than a mere mention. Dealers could hold their stocks in bond at Skagway, breaking the bulk as demanded by their trade, and relieved of the necessity of ordering their every invoice from a distance of a thousand miles further away than the port of Skagway, would be under no necessity of carrying large sums of money in the high freight between Skagway and interior points. It would further obviate the necessity of buying beyond current needs, as under these circumstances Canadian wholesalers would certainly carry adequate stocks in bond at Skagway. The benefit to the Dominion at large would by no means be inconsiderable. The impetus thus given to Canadian trade would displace United States goods in the Skagway market by enabling merchants of this city to fill their orders with Canadian goods. The business which Skagway now carries on with the Canadian interior consists almost solely in filling orders to satisfy the requirements of trade that cannot wait for shipments from Vancouver. Under present circumstances this trade, which in the aggregate is by no means inconsiderable, must apply to dutiable merchandise of the United States. The merchants of Skagway could not find it profitable to do business with an interior patronage with dutiable merchandise were they brought in competition with local stocks of like non-dutiable goods.

An arrangement of this kind would, moreover, greatly tend to obliterate border ill-feeling over matters of present international controversy.

This matter will be taken up for consideration by the council later on.

The Colborne, Ont., Council has decided not to pass an early-closing by-law.

SOME TRAVELLERS' YARNS.

"Weary Willie" in Manitoba Free Press.

AND who has not read with pleasure the narrative, so clearly portrayed, of the great battle of Blenheim, drawn from the old man's memories of the past, by the finding of a skull, and entered into the interest of the boys who listened so attentively, and the "man is only the boy grown tall," and as we sat at eventide in the rotunda of the "Clarendon," Winnipeg, a chance remark brought the chairs of the circle closer, while one of the fraternity said: "A funny thing happened in our office recently. We have a man in charge of our enamel department named Daniels and 'Dan,' as he is popularly known, can handle travellers as easily as he does some of the 'children of Israel.' Recently a small boy came into the office and accosted the information clerk with a request to see Mr. 'Lyons.' On being informed that no man of that name worked there, he said, 'It's Mr. Daniels I want to see.' 'Well,' was the reply, 'why did you ask for Mr. Lyons?' 'Because,' said the urchin, 'mother said if I forgot the name to think of Daniel in the lion's den.'"

* * *

When the laugh subsided, another of the party said, "I had the pleasure of calling on Mr. James Lindsay, of The J. H. Ashdown Co., and he is telling a good story on one of our 'profession.' You all know Mr. Soper, in charge of the house-furnishing department? (Every head bowed assent.) Well, recently a traveller called who happened to have partaken somewhat freely of the 'oil of gladness,' and having explained his mission, Mr. Lindsay said, 'Let us go round to see Soper.' Thereupon our travelling friend drew himself up to his full height and with much dignity replied,' 'I think I am sober enough to take all your requirements now, avoiding the necessity of coming round when I'm sober.'"

* * *

"Did you ever hear the story about the non-conductor?" said Bill ———, and he cocked his hat to one side and gazed wisely at the ceiling. "No," chorused all hands, and while Bill's gaze was still elevated sundry winks and nudges were exchanged. Proceeding, Bill said: "Once a certain street car conductor was discharged for a certain misdemeanor, and was afterwards arrested for murder, tried, and sentenced to death by electrocution. On the day of the execution, being placed in the chair, it was found that all the electric currents had no effect, and it was discovered that the phenomena was caused by his being a 'non-conductor,'" concluded the narrator, and a broad smile suffused his countenance. But not a muscle in the faces of his hearers changed, and the look of expectancy still remained, while one broke the silence by saying, "Go on with the story, Bill." The smile of the narrator disappeared, being replaced by a look of disgust, and with dignified contempt, he arose and left the circle, and to-day a request for the story of the "non-conductor" is considered in the light of an unfriendly act.



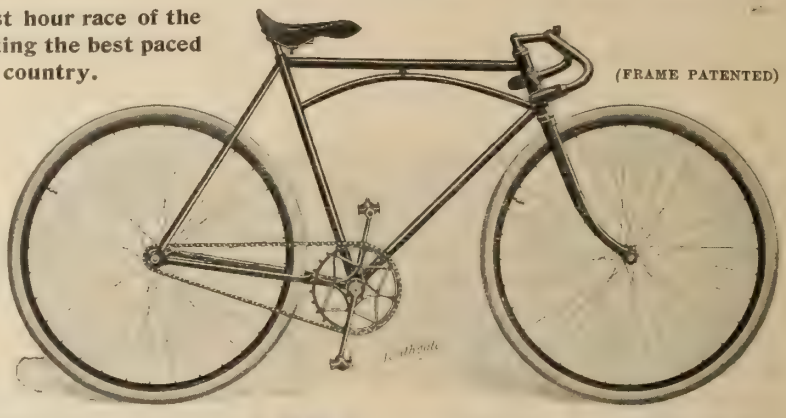
A Prediction Fulfilled

NAT BUTLER RIDING AN

Iver Johnson Truss Frame

Wins the first hour race of the season, defeating the best paced talent in the country.

(FRAME PATENTED)

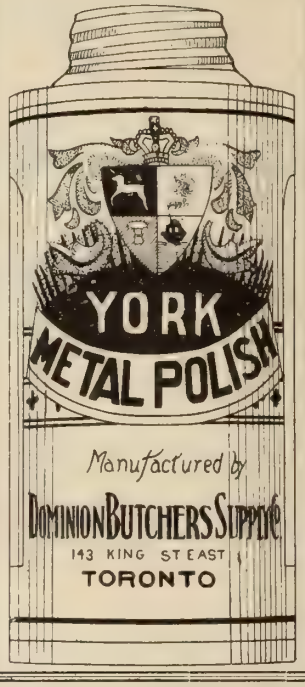


Buy a Bicycle with a Reputation.

Agents desired in unoccupied territory.

IVER JOHNSON'S ARMS & CYCLE WORKS,

New York Office: 99 Chambers St. FITCHBURG, MASS.



WHAT

YORK METAL POLISH

MADE IN CANADA **DOES**

It cleans and polishes Gold, Silver, Nickel, Brass, Copper, Bronze, Tinware and Metals of every description.

It will be found invaluable for cleaning and polishing Jewellery, Doorplates, Machinery and Harness Mountings, Metal Office Fittings, etc.

It contains no grit or acids in its manufacture, therefore will not injure anything or leave any scratchy marks.

It should be used by you. TRY IT.

Put up in tins, 10c., 25c., 40c., 75c.

Manufactured by

DOMINION BUTCHERS' SUPPLY CO.,

143 KING ST. EAST, TORONTO.

Samples and wholesale prices on application.

MANITOBA CROP PROSPECTS.

Reports received at the Winnipeg Grain Exchange from about 50 correspondents residing in all parts of Manitoba and the Northwest Territories show the following to be an average of the condition of the crop prospects by percentage, compared with last year, up to May 1:

Land ready for crop last fall, 111.40 per cent.

Land to be plowed this spring, 111.55 per cent.

Aggregate of wheat, 111.105 per cent.

Aggregate of barley, 111.110 per cent.

Aggregate of flax, 111.169 per cent.

Wheat land seeded May 5, 111.35 per cent.

Estimated quantity of wheat in farmers' hands, 8,000,000 bushels, of which about 4,000,000 bushels will be required for seed.

H. S. HOWLAND, SONS & CO.

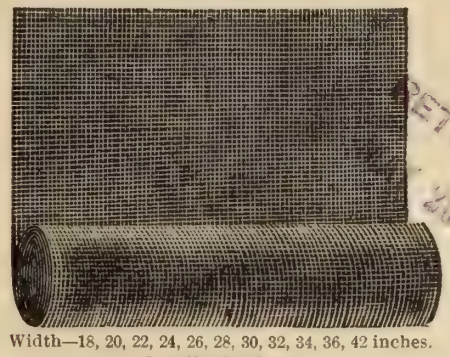
WHOLESALE ONLY 37-39 Front Street West, **Toronto.** **ONLY WHOLESALE**

Single Acting Spring Hinges.



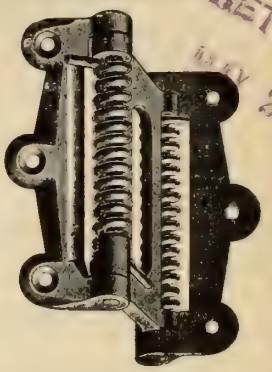
No. 150—2½ or 3 inches.

Green Wove Wire.

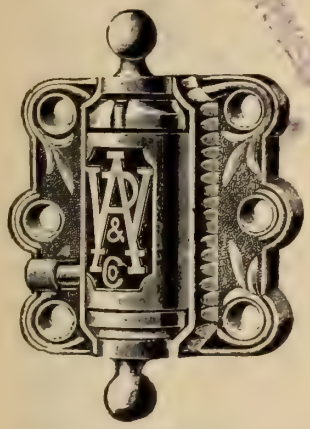


Width—18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 42 inches.
In rolls of 50 feet.

Double Acting Spring Hinges.



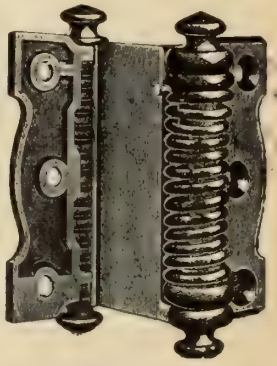
No 1150—3 x 1, or 3 x 1⅛ inches.



No. 20—3 in. Japanned.
No. 120 · 3 in. Antique Coppered.

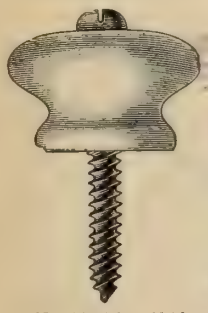


"Victor" Door Springs, 9, 10, 11 and 12 inches long.

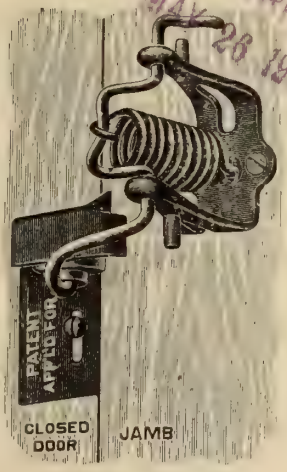


No. 50—3 in. Japanned.

Porcelain Knobs.

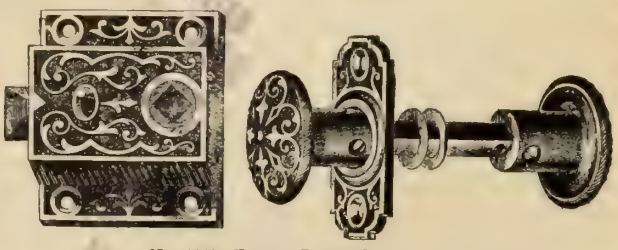


No. 15—1 in., 1¼ in.



Automatic Door Clasps.

Screen Door Catches.

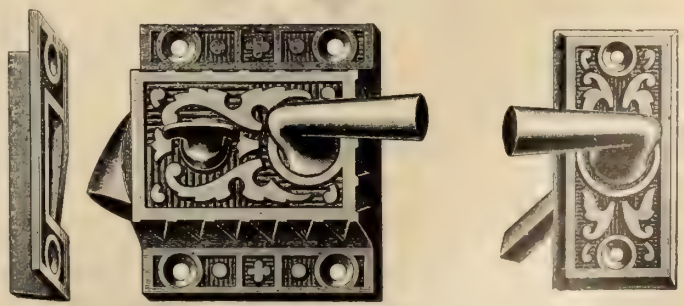


No. 6440—Tuscan Bronzed.
Suitable for Doors ⅞ to 1⅜ inches.

Screen Door Catches.



No. 78—3½ x 2¼ in., Iron, Ornamental, Bronzed.



No. T5561A—Tuscan Bronzed. Suitable for ⅞ doors to 1¼ in. thick.

H. S. HOWLAND, SONS & CO., Toronto.

WE SHIP PROMPTLY **Graham Nails are the Best.** **OUR PRICES ARE RIGHT**

Factory: Dufferin Street, Toronto.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

THE creditors of Wm. C. Wilson & Co., Limited, mill supplies, Toronto, held a meeting on May 23.

Thomas Ouellette, general merchant, St. Moise Station, Que., has assigned.

Manson & Boright, general merchants, Magog, Que., are offering 50 cents on the dollar.

D. Marcotte & Co., general merchants, Clairvaux de Bagot, Que., have compromised.

The business of A. H. Moore & Co., general merchants, Magog, Que., is in liquidation.

The creditors of L. H. Timmins & Bro., general merchants, Mattawa, Ont., meet on May 27.

Joseph Poirier, general merchant, Avignon, Que., has assigned, and A. Faucher is provisional guardian.

PARTNERSHIPS FORMED AND DISSOLVED.

Freeman Bros., carpenters, Halifax, N.S., have dissolved.

O. Rollin & Cie, hardware merchants, Montreal, have dissolved.

Edward Davidson, builder, Medicine Hat, N.W.T., has admitted H. C. Yuill as partner.

F. Decary & Fils, plasterers, Montreal, have dissolved, and a new partnership has been registered.

Fredenberg & Lowrey, general merchants, Milestone, N.W.T., have dissolved; M. S. Fredenberg continues.

Dobell, Beckett & Co., lumber merchants, Quebec, have dissolved, and a new firm has been formed under the same name and registered.

SALES MADE AND PENDING.

C. J. Watson, harnessmaker, Shoal Lake, Man., is giving up business.

The stock of C. A. Miller, general merchant, Windsor Mills, Que., has been sold.

The stock of M. Shields, general merchant, Osgoode Station, Ont., has been sold.

Chas. E. Santo & Co., importers of hardware, London, Ont., are about selling out.

John A. Logan, general merchant, Howick, Que., is advertising his business for sale.

The assets of Mrs. J. Poulin, general merchant, Ste. Brigitte des Saults, Que., have been sold.

The business of the late M. F. Goodwin, coal and wood merchant, Stratford, Ont., is advertised for sale.

The assets of The Canada Can Co., Limited, Dundas, Ont., are to be sold by auction by the liquidator on June 2.

CHANGES.

Talbot & Frere, general merchants, Kingsville, Que., have registered.

S. A. Clark has opened a hardware store at Saskatoon, N.W.T.

The T. F. Moore Co., coal merchants, etc., Montreal, have registered.

H. H. May, bicycle agent, Port Perry, Ont., has sold out to G. W. Schell.

A. J. Hughes, lumber merchant, Elgin, Man., is selling out to T. L. Arnett.

Mrs. G. Lamoureux has registered for Lamoureux & Cie, painters, Montreal.

Wm. Gilmor, lumber merchant, is commencing business at Blackfolds, N.W.T.

Rollin & Lamoureux, hardware merchants, etc., Montreal, have registered.

Carriere & Villeneuve, builders, St. Louis de Mile End, Que., have registered.

Stoddard Bros., harnessmakers, Morden, Man., have sold out to H. Stoddard.

S. N. Barnes, blacksmith, Smith's Falls, Ont., has sold out to Stewart Montgomery.

Johnston Bros., hardware merchants, Arnprior, Ont., have sold out to J. G. White & Co.

The estate of R. Robson, lumber merchant, Killarney, Man., has sold out to W. Wellman.

George Winram, agricultural implement agent, Killarney, Man., is succeeded by Winram & Irvin.

Marguerite Valiquette has registered for A. A. Valiquette & Co., coal and wood merchants, Montreal.

G. B. Housser & Co., lumber merchants, Macdonald, N.W.T., have sold out to Roger & Glennie.

George Kemp, blacksmith and agricultural implement agent, Navan, Ont., is succeeded by his son, John Kemp, in the blacksmith business.

Richard Craig, general merchant, Smith's Falls, Ont., is succeeded by D. W. McConnell & Co.

P. N. Pouliot has registered as proprietor of Arthur Pouliot & Cie, manufacturers' agents and commission merchants, Montreal.

The stock of P. Langlois, general merchant, St. Gregoire, Nicolet Co., Que., has been sold at 66⅔c. on the dollar to N. Pratte, St. Celestin.

FIRES.

G. R. Smith, general merchant, Acadia Mines, N.S., has sustained a small loss by fire.

J. Splane & Co., ship chandlers, St. John, N.B., have been burned out; the insurance is $8,000.

Thomas Hunter, paint merchant, Ottawa, was burned out; the loss was partially insured.

J. Splane & Co., ship chandlers, St. John, N.B., were burned out; the insurance amounts to $8,000.

H. A. Webber, hardware merchant, Hamilton, Ont., has sustained loss by fire; the property was insured.

Gurd & Co., manufacturers of brooms, London, Ont., were partially burned out; their loss is covered by insurance.

S. H. Smith, hardware merchant, Acadia Mines, N.S., was burned out; the loss is $5,000 and insurance, $1,000.

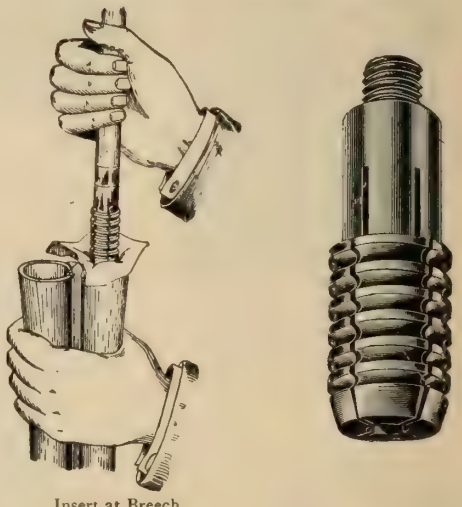
The sawmill of Boyd, Caldwell & Co., mill owners, etc., Lanark, Ont., was destroyed by fire; there was no insurance.

DEATHS.

John Cassils, of Shaw, Cassils & Co., tanners of shoe leather, Montreal, is dead.

A NEW GUN CLEANER.

A new gun cleaner is offered the sportsmen by The J. Stevens Arms and Tool Co., of Chicopee, Mass., that is calculated to exactly fill the wants of the gunner. It applies the patch with a firm and hard rubbing contact to every portion of the barrel's interior, and adjusts itself to the smaller as well as the larger portion of the bore. It supersedes the indiscriminate use



Insert at Breech.

of scraping and scratching devices, thereby preventing any injury to the finished surface of the bore arising from their use. Being made of soft brass, it is indestructible and never requires cleaning. It is made for 10, 12 and 16 gauge guns, and sells, including a cotton patch and one of fine brass wire cloth, for 50c. It is a practical outfit, and fits all standard rods.

INDUSTRIAL GOSSIP.

TWENTY NEW ELEVATORS.

The W. W. Ogilvie Milling Company will erect 20 grain elevators in Manitoba and the Northwest Territories this summer. Six of these elevators will be built in the Northwest, at Pierce, Balgonie, Grenfell, Arnaud, Manner and Carlyle, and the remaining 14 will be in Manitoba, at Brookdale, Bradwardine, Sinclair, Newdale, Lenore, Arcola, Carnegie, Kenton, Oakville; Grandview, Margaret, Gilbert Plain, Dunrea and at the terminal of the Waskada branch of the C. P. R.

WINDOW GLASS—TO IMPORT.

Prompt Deliveries

EVERY KIND OF PLATE AND WINDOW GLASS IN STOCK.

BEST GLASS of all kinds, our own manufacture. Closest Prices.

TORONTO PLATE GLASS IMPORTING CO.,

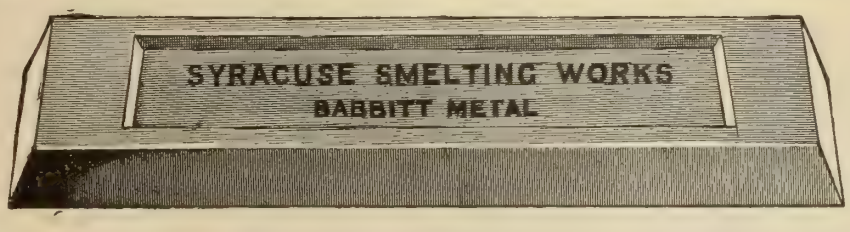
Hill & Rutherford

Warerooms and Offices—135 to 143 Victoria St.
Bending Works—209 to 213 Victoria St.

TORONTO

Use Syracuse Babbitt Metal

IT IS THE BEST MADE.



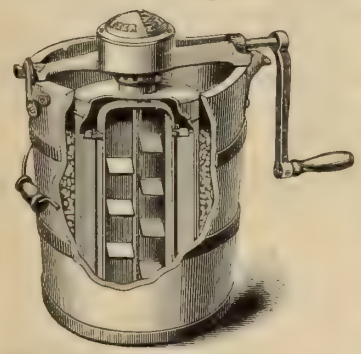
For Paper and Pulp Mills, Saw and Wood Working Machinery, Cotton and Silk Mills, Dynamos, Marine Engines, and all kinds of Machinery Bearings.

Wire, Triangular and Bar Solder, Pig Tin, Lead, Ingot Copper, Ingot Brass, Antimony, Aluminum, Bismuth, Zinc Spelter, Phosphor Tin, Phosphor Bronze, Nickle, etc., always in stock.

Canadian Works, Montreal, P.Q.
American Works, Syracuse, N.Y.
Head Office American Works, 94 Gold Street, New York.

Syracuse Smelting Works

It Pays the Dealer



Will freeze cream in 4 minutes.

TO HANDLE THE

White Mountain Freezer

BECAUSE

It is the best acting, best looking, strongest, most durable and best selling freezer manufactured.

There is not a weak point about it or a waste part to it.

It embraces all the good features to be found in all other freezers, and many more besides that are peculiar to itself.

SOLE AGENTS FOR CANADA:

THE McCLARY MANUFACTURING CO.,

London, Toronto, Montreal, Winnipeg, Vancouver, St. John, N.B.

CORDAGE

ALL KINDS AND FOR ALL PURPOSES.

Manila Rope	Lathyarn
Sisal Rope	Shingleyarn
Jute Rope	Bale Rope
Russian Rope	Lariat Rope
Marline	Hemp Packing
Houseline	Italian Packing
Hambroline	Jute Packing
Clotheslines	Drilling Cables
Tarred Hemp Rope	Spunyarn
White Hemp Rope	Pulp Cord
Bolt Rope	Lobster Marlin
Hide Rope	Paper Cord
Halyards	Cheese Cord
Deep Sealine	Hay Rope
Ratline	Fish Cord
Plow Lines	Sand Lines

"RED THREAD" Transmission Rope from the finest quality Manila hemp obtainable, laid in tallow.

CONSUMERS CORDAGE COMPANY, Limited

Western Ontario Representative—
WM. B. STEWART,
Tel 94. 27 Front St. West, TORONTO.

MONTREAL, QUE.

TO MAKE THEIR OWN LINSEED OIL.

THE SHERWIN-WILLIAMS CO., the large paint and varnish makers, are beginning the crushing of seed and making their own linseed oil.

A large plant has just been completed for this purpose at Cleveland. It will not only supply all the oil used by the company in the manufacture of their products, but will also place them in position to go into the general market with oil.

For many years The Sherwin-Williams Co. have been the largest consumers of linseed oil in America, and probably in the world, larger even than the great oilcloth manufacturers, who use enormous quantities. Their consumption of oil became so large that it was a serious matter for them to be dependant upon others for their supply, and they have for some time been quietly at work on the plans of the new plant.



New Linseed Oil Plant of The Sherwin-Williams Co.

The plant is of the most modern type, and is probably one of the best equipped and arranged in existance. It is located on the Cuyahoga River, a short distance from plant No. 1 of the Sherwin-Williams Co., and is admirably situated, with fine shipping facilities, both by water and rail. It has been built with a view to expansion, the plat of ground and engine and boiler capacity making it possible to double the output within a few months' time if necessary.

The company owns its own steamship, the A. G. Lindsay, for carrying the seed down the lakes from the Northwest, and will, therefore, be perfectly independent of outsiders for everything connected with their oil supply. They will go direct to the farmer for the seed and be able to make certain of good oil from the very foundation up. They can be depended upon to produce the best oil it is possible to make, holding to the uniform high standard of quality that has been found in all their other products.

The Sherwin-Williams Co. have always refined their own oil, and have arrived at very fine results in clarifying and purifying the linseed oil they have used. In the new plant they have included splendid refining facilities, and a house for making pure, free and unadulterated kettle-boiled oil.

The plant is under the direct management of Mr. J. W. Daniels, a well-known old-time linseed oil man, who has been in the business since 1878. Before his connection with The Sherwin-Williams Co. he was a director in The American Linseed Co., and manager of their plant at Buffalo, N.Y.

The establishment of this plant is characteristic of the policy of The Sherwin-Williams Co. to manufacture and control everything entering into the making and marketing of their products. They have for years made all their own varnishes and dry colors, ground their own lead, made their own tin cans, packing cases and barrels, done their own printing and manufactured their machinery in their own machine shops. A few years ago they added a steam laundry, a barge for carrying the lumber for their box factory and very greatly enlarged their facilities for the manufacture of varnish and dry colors, so as to be able to market these two products as well as to make them for their own use.

The linseed oil plant will greatly strengthen the position of the company and make it possible for them to go after business with greater vigor than ever before. Their wonderful growth since their establishment in 1866, and especially in the last half-dozen years, has placed this company in an enviable position. They are probably the largest paint concern in the world, operating, as they do, four large plants at Cleveland, Chicago, Newark and Montreal, with warehouses and offices in seven other cities.

Their entrance into the linseed oil field is of distinct and significant importance.

ENLARGING THEIR PREMISES.

The business of The Toronto Silver Plate Co., Limited has grown so extensively the last couple of years that they have found it necessary to make provision for space that will permit of their largely increasing their staff. This they are doing by converting their stables in the back of their present premises into casting rooms, using their present casting room with the addition to it of another storey for the manufacture of German silver, a new line of manufacture that they have lately taken up and referred to in one of our previous issues. Additional to this they are building another storey over their present plating room, which they will use for the manufacture of sterling silver. This will give them their original factory premises for the manufacture of electro plated ware which line we are pleased to hear from Manager Gooderham has grown proportionate to the increase in their other lines.

VANCOUVER MERCHANTS AND KLONDIKE TRADE.

"Orders are coming rather slowly from the North this season," said a local commercial man who has large interests in the Klondike, recently. "The large companies are doing most of the importing so far, and they are, I think, buying more of their goods in Canada. The N. A. T. and other companies are making purchases in Toronto, Montreal and other places, and some also in Vancouver, especially in goods handled locally, which have come from England, around the Horn.

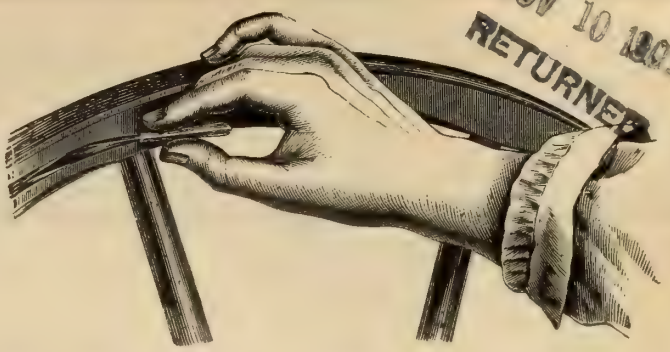
"I think that if Vancouver merchants want to do a big business in the North, they should combine and open a large store and warehouse in Dawson, and ship in their own goods for sale. If the wholesalers of the city would make such an arrangement, they would have an opportunity of competing with the N. A. T. and other companies, a business which now presents a great many difficulties." — The Province, Vancouver.

NEW VICE-PRESIDENT.

Mr. A. J. Moxham, vice-president of The Dominion Iron and Steel Co. has resigned that office, and has been succeeded by Mr. James Ross, a change that has been expected for some time. The seat which was occupied by Mr. Moxham on the directorate of the company, and which he resigned also, has been taken by Hon. Senator L. J. Forget.

NOV 10 1902 RETURNED

Boeckh's Fine Brushes



Requisite for Coach and Carriage Painters, Artists, Gilders, Decorators, Painters, China Painting, Druggists, etc., are handled by all up-to-date dealers who realize that

Good Stock Always Holds Custom.

If our traveller has not called upon you, or does not visit your town, it will pay you to write us at once, and we will, if possible, arrange for him to call upon you, or will be pleased to send you quotations and full particulars by mail.

UNITED FACTORIES,

Limited,

Head Office : Toronto.

OPERATING:
Boeckh's Toronto Factories.
Bryan's London Factories.
Cane's Newmarket Factories.

Send for our Illustrated 1902 Catalogue. It will please you.

DAVID MAXWELL & SONS

ST. MARYS, ONT., CANADA.



Steel Frame Churn.

"Maxwell Favorite Churn"

PATENTED FEATURES: Improved Steel Stand, Roller Bearings, and Foot and Hand Lever Drive, and Detachable Driving Link. Improved for season of 1902. Steel or Wood Frame as desired.

Wheelbarrows.

In Four different Sizes.

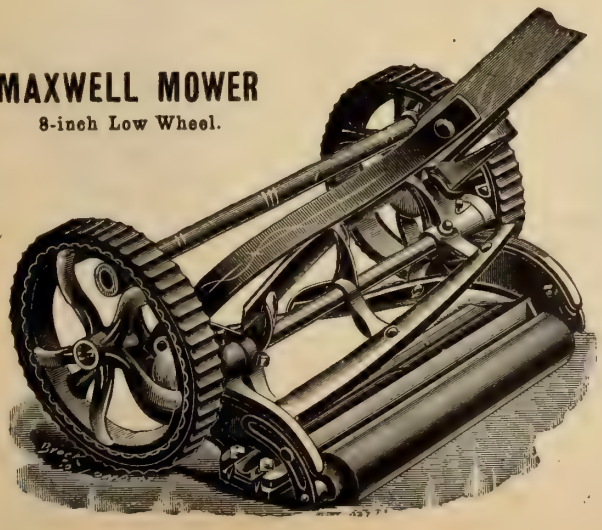
Lawn Mowers.

High and Low Wheels. from 12 in. to 20-in. widths. Cold Rolled Steel Shafting, Crucible Steel Knives and Cutting Plate.

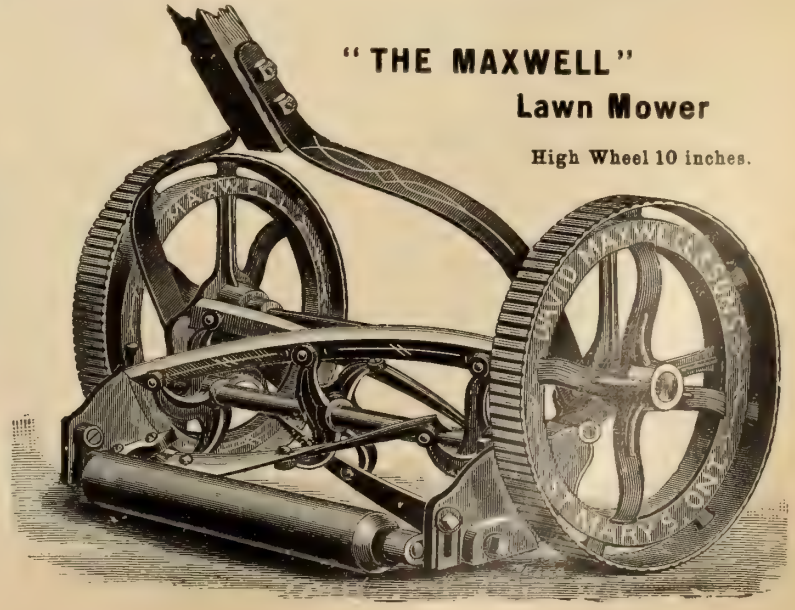
If your Wholesale House does not offer you these articles

SEND DIRECT TO US.

MAXWELL MOWER
8-inch Low Wheel.



"THE MAXWELL"
Lawn Mower
High Wheel 10 inches.



MACHINERY AND ELECTRICAL SUPPLY DEPARTMENT

NEW GERMAN ACETYLENE GENERATOR.

In answer to inquiries from the United States, Consul-General O. J. D. Hughes, of Coburg, reports, April 18, 1902, that Mr. Erik Cornelius, chemist at the carbide factory at Trollhattan, has invented a new acetylene generator. This generator, says the consul-general, is described as being much simpler in construction than any yet placed upon the market, and occupies but little space. In its operation, the falling of the carbide into the water is automatically regulated by a hollow rubber ball, which, as soon as it is filled with gas, closes the valve between the carbide and the water. When the volume of gas decreases, the rubber ball contracts and the feed valve again permits the carbide to drop. The gas is stored partly in the rubber ball and partly in the space between the funnel-shaped carbide magazine and the water. If more than the normal amount of gas is generated, it secures more room by forcing the water through valves into the water jacket in the sides of the apparatus. A separate gas tank is therefore not needed. Should too much gas be produced, both the water and the gas escape through a safety valve. Common carbide is used; no cartridges. The gas is dried by being allowed to pass through the carbide magazine, where the carbide absorbs the moisture. As there is no gas tank, and as the quantity of gas thus stored is insignificant, it is considered that the fire insurance companies will, without raising the premiums, approve of the apparatus, even when it is placed in dwelling houses.

BRIEF HISTORY OF SAFETY RAZORS.

Safety razors were received with much distrust by the trade and public when first introduced by the inventors, Kampfe Brothers, about 25 years ago. The "Star" safety razor, the first make of this kind, has proved its value to such an extent that to-day same can be found in any part of the globe. The sales have increased so marvellously that it is one of the best-liked and most profitable staple articles of the hardware business. Every dealer should be up to date in A1 novelties of this description. The standard make only should be sold, as the success of the reliable makers, on whose reputation the trade of the safety razor has been developed, has prompted a number of unscrupulous imitations being placed on the market.

Our readers' interests will be well looked after by the original inventors and makers of the genuine "Star" safety razor, and there will be only words of the highest praise from your customers. In fact, we have heard of cases where gentlemen of high reputation would not part with their "Star" safety razor for thousands of dollars, providing they could not obtain another one to take its place.

A WIRE FENCE MACHINE FIRM.

The Cyclone Woven Wire Wire Fence Company, Toronto, have been incorporated for the manufacture and sale of wire fence and fence machines, and wire of every kind or description; to do all things necessary to carry on the business of the construction of fence machines, wire, and of dealing with patents connected therewith and to continue any existing wire fence business. The chief place of business will be Toronto and the amount of the capital stock of the company is placed at $30,000, divided into 600 shares of $50 each.

The applicants are Joshua H. Wilcox, manufacturer; Henry Buckle, manufacturer; James Edgar McGarvin, druggist; Frances Wilcox, married woman, and Alice M. Buckel, married woman, all of Toronto, and these will be the directors of the company.

CHANGED THEIR OFFICES.

The New York office of The J. Stevens Arms and Tool Company has been changed from 318 Broadway to 80 Chambers street. They are now located in the wholesale sporting goods dealers' district, in a desirable locality, and have five times the floor space they formerly had. This will enable them to better attend to their increased business.

STEEL FOR FAST-CUTTING MACHINERY.

What is to become of all our patterns, drawings and expensive jigs for our machine tools? Are we on the verge of a revolution? I refer, of course, to the "new steel" that is going to make us "get up," as they say out West. Many of our machines have even been regarded by us here, quite aside from the constantly heard criticism of our English purchasers, as on the verge of lightness. With the demand for machines that will give a cutting speed of 50 to 100 feet per minute with a greater rate of feed, there is going to be plenty of work for draftsmen and patternmakers, and an unlimited supply of firewood for the cupola until our cherished patterns are replaced. In England and on the continent there is a "boom" on tap at present. Making of the special steel have sprung up as if by magic. There are several in England, and French, German and Austrian steel makers have also produced this strange raw material which can become hot when working without losing its temper and hardness. Specifications for new machines call for higher speeds with a large increase of power. There appears to have been but little success in getting a steel that will show such marked results in cast iron as in wrought iron or steel, but in a recent letter I learn that Messrs. Whitworth, of Manchester, have found a steel that is equally good for cast iron. What a simple plan of "doubling the production" by simply changing the engine governor, until everything in the shop runs at double the former speed! I am told that this steel has come to stay, and if so, it is simply a beginning of the revolutions predicted for this new-born twentieth century.—American Machinist.

A NEW HIGH-SPEED STEEL.

Since the invention of the Taylor-White steel and our publication of an account of it, steel makers all over the world have been stimulated to produce a steel which can cut continuously at high speeds, and the latest addition to the list is made by the well-known steel manufacturers, Jonas & Colver, of Sheffield, Eng. This concern has long been known as a maker of very high-grade steel, and has had a considerable trade in America. Their new steel is called "Novo Air Steel," and it hardens in air or hot water, whichever may be preferred. In forging this steel it is heated to a higher temperature than the ordinary carbon steel—in fact, to a lemon color—but it is advisable to be particular to heat it thoroughly and evenly. It can then be worked at this high heat, and works with greater facility than most other steels, it being perfectly practicable to draw it down to as small a size as may be desired under the steam ham-

JONAS & COLVER CO.

Sheffield, England Limited

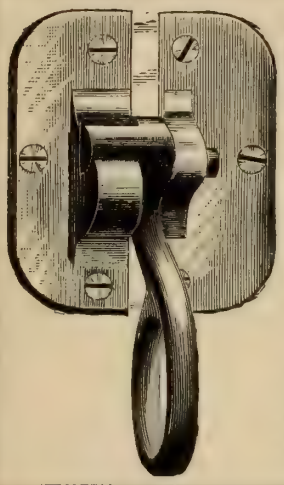
"NOVO" STEEL—air-hardening

WILLIAM ABBOTT, Agent.

13 St. John Street, MONTREAL.

P. J. CONROY, Manufacturer of

REFRIGERATOR HARDWARE

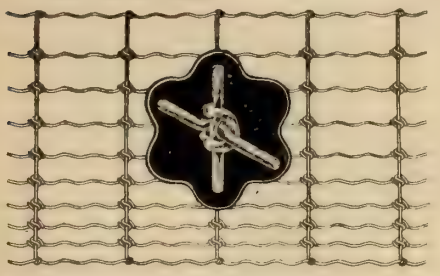


Paschall Station, Phila., Pa.

The "Conroy" Refrigerator Door Fastener.

IDEAL WOVEN WIRE FENCING

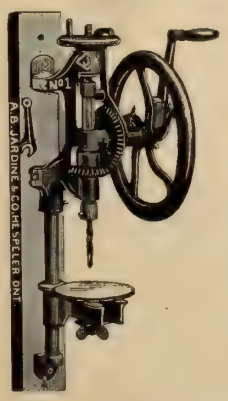
Complete in the roll. A heavy one-piece stay that will not buckle up and cannot slip. Note the lock. No. 9 hard spring wire throughout. A fence that will last.



The McGregor, Banwell Fence Co., Limited

WINDSOR, ONT.

COILED SPRING AND OTHER FENCE WIRES.



TRADE MARK J REGISTERED

Blacksmiths' Hand Drills.

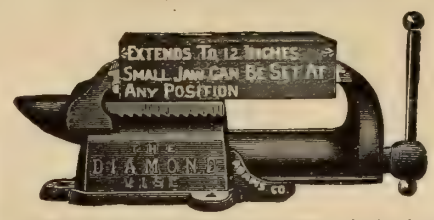
The very best.

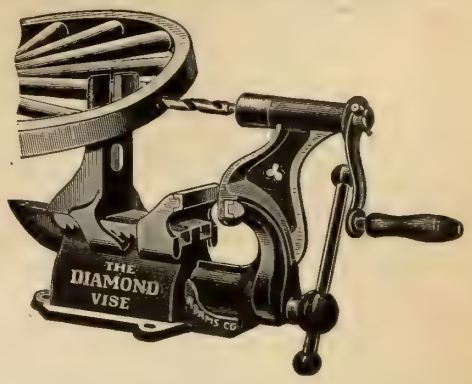
A. B. JARDINE & CO.

HESPELER, ONT.

DIAMOND VISE AND DRILLING ATTACHMENT

U. S. Patent Jan. 15, '95. Canadian Patent July 22, '95.





JAWS are faced with steel ⅞ inch wide, 4 inches long, firmly fastened to jaw, checked and hardened. VISE weighs 38 pounds. DRILL weighs 13 pounds.

For Sale by Jobbers of Hardware.

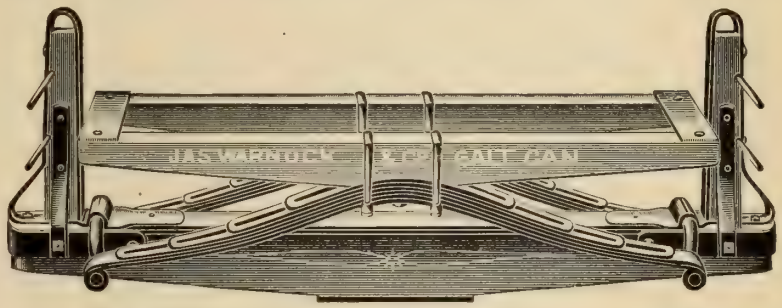
Made by—

The Adams Company, Dubuque, Iowa, U.S.A.

Made by A. R. Woodyatt & Co., Guelph, Ont.

"The Peerless"

is the best Bolster Spring ever produced. A fine line for the hardware trade. Write Us For Prices.



James Warnock & Co. = Galt, Ont.

WE ARE MAKING PROMPT SHIPMENTS OF

No. 9 Coiled Spring or Plain Galvanized Wire

Also of Barb or Plain Twist, from stock. Our prices are right. Let us quote you. Look up the agency of the London Fence Machine. The only complete and up-to-date machine on the market for weaving Coil Spring Wire Fence. We are closing the agencies of different sections every day, so don't lose any time in writing us.

THE LONDON FENCE MACHINE CO., Limited,

LONDON, CANADA.



G. A. Crosby & Co. of Ontario,

SARNIA, ONT. LIMITED

Manufacturers of

Patent Automatic Can Making Machinery, Presses, Dies and Special Machinery for Working Sheet Metal.

STANYON ENGINEERING CO.

402 McKINNON BUILDING,

Phone Main 2177. TORONTO

CONTRACTING AND CONSULTING ENGINEERS.

Steel Works, all kinds of Rolling Mills, Wire Mills, etc., all built complete. Machinery designed for any purpose;

GENERAL OFFICES, PITTSBURG, Pa.

mer, or it can be bent at right angles. In hardening it is necessary only to hold it in a blast of air or to plunge it in hot water.

It is claimed that this steel is absolutely not liable to cracking and that it will maintain fine edges. It can be annealed in the ordinary way, and when so annealed can be worked by milling, planing or any of the ordinary operations of steel working, so that taps, milling cutters, reamers, or whatever may be desired, can be made of it.

We have information regarding some remarkable tests of this steel, showing that it is capable of giving very high duty. For instance, a tool, 1 x 2, took a roughing cut on a shaft for a hoisting engine, the shaft being 11¼ diameter, the cut ½-in. deep, with feeds varying from 1 32 to 1 16 and up to ⅛-in. at a speed of 93 feet per minute, the length of the cut on the shaft being 1 feet. The same tool did the finishing cut at 70 feet per minute, and was in perfect condition.

On cast iron one of these tools took a cut ⅜-in. deep with ¼-in. feed at 50 feet per minute, the same tool taking the finishing cut at a speed of 165 feet per minute. On nickel steel, steel castings, brass of government composition and other metals, great superiority to ordinary steel, so far as capacity to stand high cutting speeds is concerned, and the steel is an interesting addition to the list of such steel. It is being introduced here by Hermann Boker & Co., of New York.

American Machinist, New York.

(Mr. William Abbott has been appointed Canadian representative for Jonas & Colver, of Sheffield, manufacturers of "Novo Air Steel" referred to above, as well as all other classes of steel.

Editor "Hardware and Metal.")

STOCK LIST OF MACHINERY.

A new feature in connection with the business of H. W. Petrie, 141 145 Front street west, Toronto, is his monthly stock list of machinery, tools, and power. This list contains a complete list of all the stock he has on hand, and all are numbered so that a full and complete description can be given of each item on the list upon application. All the machines enumerated on the list are for immediate delivery, and the book is completely indexed.

NEW FACTORY IN RUNNING ORDER.

The Bailey Cutlery Co., Limited, Brantford, Ont., have moved all their plant to their new factory and are now running at their full capacity. Their business has increased so rapidly that they are behind with their orders and so far have been unable to catch up. Their capacity in every line has been increased and they are adding constantly new lines to those they are at present manufacturing. Their razors and butcher knives are proving satisfactory and the orders they receive for them keep them busy in the filling.

SHOULD BE IN EVERY RETAILER'S HANDS.

In renewing his subscription to "Hardware and Metal" R. Gamble, hardware, paint and oil merchant, Manotick, Ont., writes: "I appreciate your paper very much and think it should be in the hands of everyone in the hardware business."

KERR ENGINE CO., WALKERVILLE.

Mr. R. Kerr, of The Kerr Engine Co., Walkerville, Ont., has just returned from a trip to Northern Ontario and reports business exceptionally good. In fact, they have great difficulty in securing skilled workmen to turn out fast enough the goods that are already ordered. They have prepared plans and propose to build at once a new brass foundry, in addition to their extensive works. They are also equipping the machine shop with several new tools.

CANADIAN AUTOMOBILES FOR ENGLAND.

The Canadian Motors, Limited, of Toronto, are just about shipping their fifth electric automobile to England. The last one is being sent to Mr. Ernest Bremner, of London, Eng., who has been visiting Canada in the interest of the pulp and paper mills at Fenelon Falls. They are also building a new "Stanhope" automobile for Dr. Cotton, of Toronto, and also one for Dr. Macdonald. Mr. C. F. Grantham, manager of The Imperial Cotton Co., Hamilton, Ont., has given them an order for a handsome electric automobile. This will be one of the finest carriages that has been constructed anywhere. Mr. W. G. Bronson, the well-known lumberman of Ottawa, is also getting an electric automobile, "Stanhope," of the very latest pattern.

IRONMOULDERS' STRIKE.

The iron moulders of the Canadian Pacific Railway are still out on strike, and as a result of the strike at the Hochelaga foundry, others have been ordered by the union to quit work, so that several men employed by The Laurie Engine Co., on a C.P.R. job, had to stop working there although they had no grievance whatever. A number of other moulders, employed in the Caledonia iron foundry on C.P.R. work were also compelled to refuse to do this work.

The union expects an amicable settlement of the difficulty in a short time, though it will have to be at their own terms apparently, for the officers issued the following statement on Saturday:

"All the moulders, as well as the coremakers that were employed in the Canadian Pacific Railway foundry are members of the union, and not one of these men have returned to work, nor do they intend to return until their demands have been agreed to. We are strongly of the opinion that Mr. McNicoll has been misinformed about the men returning to work, and also about no demands having been made on the company by the moulders. As a matter of fact, the demand was sent in early in April, but no notice whatever was taken of it until the first of May, when a committee of moulders, selected by the foreman, was sent to the master car builder's office to discuss the demands. The committee had no power whatever from the rest of the moulders working in the Canadian Pacific Railway foundry, and could do abrolutely nothing. A committee, with power to act, then waited on the master car builder, and in an answer to their question as to what had been done in regard to the demand of the men, they were told it had been thrown in the waste-paper basket. It was then we decided to go on strike. We are convinced that if Mr. McNicoll only knew the true state of affairs in the foundry the men would have their demands granted at once. But, unfortunately, for the men, he does not. Mr. McNicoll has also been misinformed as to the moulders wanting the laborers' wages reduced. This, we claim, is most absurd. On the contrary, we would be only pleased to see the laborers get an increase in wages. Our new schedule provides for a minimum wage of $2.50 a day, and none of the men will return to work until it has been granted."

ELECTRICAL AND MACHINERY NOTES.

The National Electro Co., Limited, Toronto, has obtained a charter.

The Hinton Electric Co., Limited, electric supplies, etc., Victoria, B.C., is discontinuing the Vancouver branch.

The Canadian General Electric Co., Limited, is opening a branch at Ottawa.

W. A. and G. L. MacKay have registered as partners at North Sydney, C.B., under the style of W. A. MacKay & Co., electrical supplies.

A DURHAM MERCHANT'S CHANGES.

James A. Hunter, general merchant, Durham, Ont., has removed his hardware stock from the main store into a room adjoining and placed it in charge of Mr. Theobald, late of Scott & Murphy, Mount Forest. He has a fine store, consisting of two flats and a basement, 25 x 90 feet. The grocery department is in the basement.

NIXON AND WINTERBOTTOM, Ltd.

MANUFACTURERS.

PYRAMID WORKS, SHEFFIELD, ENGLAND.

Registered Trade Mark

Registered Trade Mark

TABLE CUTLERY
BUTCHERS' KNIVES & STEELS
FARRIERS' KNIVES

ESTABLISHED
1861

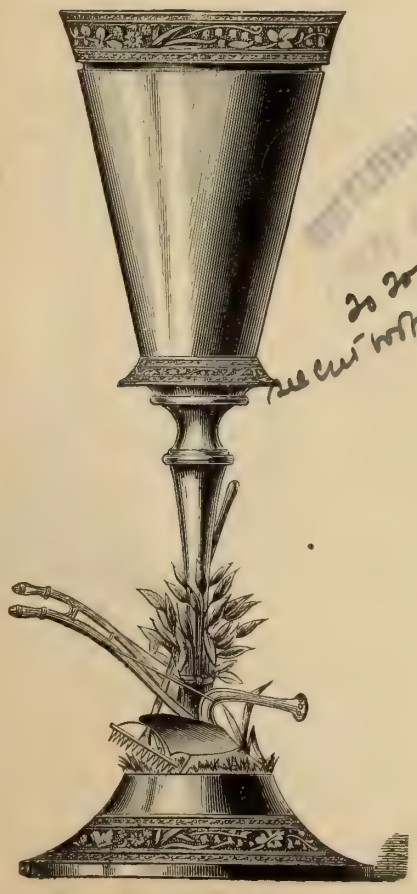
TELEGRAMS
"PYRAMIDS, SHEFFIELD."

BREAD KNIVES
PUTTY, PALLETTE, SHOE & POTATO KNIVES



CASE CARVERS A SPECIALTY

Canadian Agents: Messrs. W. L. HALDIMAND & SONS, St. Dizier St., MONTREAL



No. 1248—Trophy.

THE TORONTO SILVER PLATE CO., LIMITED

SILVERSMITHS AND MANUFACTURERS
OF ELECTRO SILVER PLATE

ANOTHER SPECIALTY OF OURS IS THE MANUFACTURE OF

Prize Cups, Trophies and Medals

We have just completed a new Prize Cup Catalogue, a copy of which we will be pleased to send to anyone in the trade, on application.

Factories and Salesrooms:

King St. West, - Toronto, Canada

E. G. GOODERHAM, MANAGING-DIRECTOR

A LITTLE ADVERTISEMENT ....

Sometimes does as good work as a larger one. We can give you any size you want in this paper, from 1 inch to a full page. Prices gladly submitted.

The MacLean Publishing Co., Limited, Montreal and Toronto



Australasian Hardware and Machinery.

The Organ of the Hardware, Machinery and Kindred trades of the Antipodes.

SUBSCRIPTION $1.25 PER ANNUM,

post free to any part of the world.

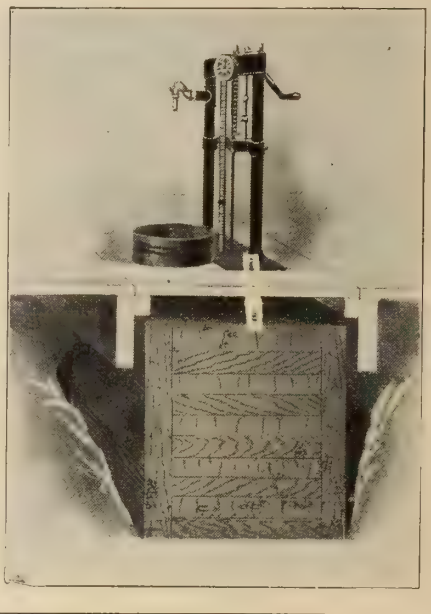
PUBLISHING OFFICES:
Melbourne - Fink's Buildings.
Sydney, - - - Post Office Chambers.

AMERICAN OFFICES:
New York, - Park Row Building.

BRITISH OFFICES:
London, - - - 42 Cannon St., E.C.

Specimen Copies on application.

Draw Your Own Conclusions



A LETTER FROM THE PRESIDENT AND GENERAL MANAGER OF THE FEDERAL SUPPLY CO. OPERATING FORTY-SIX GENERAL STORES EVERYONE EQUIPPED WITH

BOWSER

3 MEASURE SELF MEASURING

OIL TANKS

FEDERAL SUPPLY CO., 232 Fifth Avenue,
PITTSBURGH, PA., April 29, 1902.

S. F. BOWSER & CO., INC., FORT WAYNE, IND.

GENTLEMEN:—We are operating at the present time forty-six stores, all of which are equipped with your Self-Measuring Oil Outfits. Of the many different makes upon the market which we have used, we find yours to be the best tank we have ever used, both as regards durability and cleanliness. In measuring the old way from the barrel there is considerable loss through evaporation and wastage which is entirely eliminated by your tanks, and we do not hesitate to say this saving will pay for the outfit in a very short period. We cheerfully recommend your tanks to the trade. Yours very truly,

W. J. Phillips, Pres't & Gen. Mgr. FEDERAL SUPPLY CO.

SEND YOUR NAME TODAY, LET US TELL YOU MORE.

S. F. BOWSER & CO., 65 Front St. East, TORONTO. Factory, FORT WAYNE, Ind.

LEADER CHURN

New Century Improvements

FOUR DIFFERENT STYLES:

A—Steel Frame with double reversible Steel Lever.
B—Wood Frame with double reversible Steel Lever.
C—Steel Frame with Crank.
D—Wood Frame with Crank.

Styles **A** *and* **B** *may be operated from a sitting or standing position.*

Steel Frames and Hoops beautifully ALUMINIZED.

All LEADER CHURNS are equipped with BICYCLE BALL BEARINGS and PATENTED CREAM BREAKERS.

Stands are so constructed that they are particularly strong and rigid, and there is nothing to interfere with the placing of pail in the most convenient position for draining off buttermilk.



It Pays to Have the Best. None are Better Than the Leader.

THE DOWSWELL MANUFACTURING CO., LIMITED, HAMILTON, ONT.

Eastern Agents: W. L. Haldimand & Son, Montreal, Que.

CUSSIN'—DISCUSSIN

Dealers may avoid the former and have the satisfaction of hearing their customers discussing in terms of praise the goods that are right.

Always handle the best.

Satisfaction is assured if the Dowswell Manufacturing Co., Limited, are the makers of the goods you sell.



The New Century Washing Machine

This cut illustrates the latest and best machine for washing clothes yet invented.

Having strong spiral springs and ball-bearings—the same as used in High-Grade Bicycles—very little effort is needed to do what with other means is hard work.

Nothing so easy—nothing so thorough—nothing less wearing on garments. It is perfection.

A customer says: "It has none but good points."

Another customer says: "It is a darling; washes a tubful in five minutes."

It is the **New Century Washer.**

Every Hardware Dealer should have them. They are not the cheapest, but are sellers, and will do all that is claimed.

The operator can positively do the work, and without effort, while seated, and the machine is enclosed, retaining heat and vapor.

The Dowswell Manufacturing Co., Limited,
Sole Manufacturers in Canada. **Hamilton.**

John Bowman

HARDWARE & COAL CO.

LONDON, ONT.

Our stock of goods for the spring trade is now complete, and we can fill all orders promptly on the following lines :

Wire, Nails, Cordage, Window Glass, White Lead, Paints, Whiting, Churns, Linseed Oil, Spades and Shovels, Screen Doors, Wove Wire, Poultry Netting, Builders' Hardware, Guns and Sporting Goods. Finest stock in the Province of Cutlery.

Prompt Shipment. Prices Right.

DOMINION

Wire Manufacturing Co., Limited.

MONTREAL and TORONTO.

WORKS AT **DOMINION,** NEAR MONTREAL.

WIRE OF ALL KINDS AND FOR ALL PURPOSES



...We also Manufacture...

WIRE NAILS, WOOD SCREWS, JACK CHAIN
BRIGHT WIRE GOODS, WIRE DOOR PULLS
"CRESCENT" HAT AND COAT HOOKS
PURE COPPER WIRE FOR ELECTRICAL PURPOSES

Locks and Builders' Hardware.

We have a most complete line of all these goods, including the very newest ideas in

Bronze and Brass Knobs, Door Sets and Escutcheons.

LOCKS AND LATCHES OF ALL KINDS.

Any dealer asking for a catalogue will be sent full prices, discount sheets, etc., etc. Drop a card.

ESTABLISHED 1843. INCORPORATED 1893.

THE Gurney-Tilden Co., LIMITED

Hamilton. Toronto. Montreal.

AGENCIES :—ST. JOHN, N. B., VANCOUVER, B. C.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

Montreal, May 23, 1902.

HARDWARE.

THE demand for general hardware has kept up well during the past week, though trade has settled down to more normal conditions. There have been very few alterations in prices since our last report. Barn-door tracks are among the exceptions, the price having been advanced ¼c. per foot, making the present quotation 3¾c. per foot. Cut nails are in better supply this week. Binder twine, poultry netting, and builders' hardware are among the rapidly moving lines of the week.

SCYTHES.—There is a good demand and no change has been made in the price. Our quotations are now as follows: Lance, No. 80, $5.50; Hurd's Clipper, $6.50; concave, $7.50; Sibley, $8.50; Cradle scythes, cast steel, $8.50; silver steel, $9.50; "Harvest King," $10.50. Bush scythes, $6.50.

BARB WIRE.—The inquiry keeps up, and the market being well supplied, a good trade is being done. The price per 100 lb. f.o.b. Montreal is $3.

GALVANIZED WIRE.—Business is about as usual, and prices are as follows: Nos. 6, 7 and 8 gauge, $3.45; No. 9, $2.80; No. 10, $3.55; No. 11, $3.65; No. 12, $2.95; No. 13, $3.05; No. 14, $4.05; No. 15, $4.55; No. 16, $4.80; No. 17, $5.20; No. 18, $5.45.

SMOOTH STEEL WIRE.—Trade in this line is only fair. We quote as follows: Bright iron and annealed on a base of $2.60 per 100 lb. f.o.b. Montreal, Toronto, Halifax, London, Hamilton and St. John. Net extras per 100 lb. are as follows: Coppered wire, 60c.; tinned wire, $2; oiling, 10c.; spring wire, $1.25; best steel wire, 75c.; bright soft drawn, 15c.; special hay-baling wire, 30c.

FINE WIRE.—There is not much doing. The discount remains at 22½ per cent.

BRASS AND COPPER WIRE.—The demand is moderate and steady. Both brass and copper wire are discounted at 60 per cent.

FENCE STAPLES.—These are going well. Our quotations are as follows: Bright, $2.90 per 100-lb. keg; galvanized, $3.25. An extra of 25c. is charged for 25 and 50-lb. packages.

WIRE NAILS.—There is no change to report. The market is fairly active. Our quotations are as follows: $2.55 for small lots and $2.50 for carlots f.o.b. Montreal, London, Hamilton, Toronto, Gananoque, Brantford, Windsor, Ont., St. John and Halifax.

CUT NAILS.—There has been some shortage in 3-inch cut nails, but factories have made deliveries this week. In small lots the price of cut nails is $2.45 per keg, and in carlots, $2.37½ per keg. Flour barrel and coopers' nails are discounted at 10 per cent.

HORSE NAILS.—There is a fair trade still doing in horse nails. Discounts follow: "C" brand, 50 and 7½ per cent. off; "M" brand, for "Oval" and "New City" heads, 60 per cent. off, and for "New Countersunk" heads, 66 2-3 per cent. off. "Monarch" horse nails are also discounted at 66 2-3 per cent.

HORSESHOES.—The demand is moderate and steady. We quote: Iron shoes, light and medium pattern, No. 2 and larger, $3.50; No. 1 and smaller, $3.75; snow shoes, No. 2 and larger, $3.75; No. 1 and smaller, $4.00; X L steel shoes, all sizes, 1 to 5, No. 2 and larger, $3.60; No. 1 and smaller, $3.85; feather-weight, all sizes, $4.85; toe weight, steel shoes, all sizes, $5.95 f.o.b. Montreal; f.o.b. Hamilton, London and Guelph, 10c. extra.

SCREWS.—There is a good demand for screws. We quote the discounts as follows: Round head bright, 82½ and 10 per cent.; flat head bright, 87½ and 10 per cent.; brass, round heads, 75 and 10 per cent.; brass, flat heads, 80 and 10 per cent.

BOLTS.—This is an active market. No



"MODEL" REFRIGERATOR.

Just As We Predicted

a couple of weeks ago, Old King Sol has come in full force and somewhat suddenly—did not even give a day's notice to those dealers who handle refrigerators and who delayed putting in a stock.

But it's not **too** late yet.

We can ship all orders the day we receive them, in

"Model" and "Leonard" Cleanable Refrigerators.

"Dangler," "Golden Star," "Summer Queen," and "Triumph" Oil Stoves.

The McClary Manufacturing Co.,

LONDON, TORONTO, MONTREAL, WINNIPEG, VANCOUVER, AND ST. JOHN, N.B.

"Everything for the Tinshop"

ENGLISH
GERMAN
BELGIAN
CANADIAN
AMERICAN
} PORTLAND CEMENTS.

FIRE
BUILDING
ENAMELLED
SILICA
MAGNESIA
} BRICKS.

DRAIN
CULVERT
} PIPES.

F. HYDE & CO.
31 WELLINGTON ST., MONTREAL

. . FULL STOCK . .
Salt Glazed Vitrified
SEWER PIPE
Double Strength Culvert Pipe a Specialty.
THE CANADIAN SEWER PIPE CO.
HAMILTON, ONT. TORONTO, ONT.
ST. JOHNS, QUE.

Deseronto Iron Co.
LIMITED
DESERONTO, ONT.
Manufacturers of
CHARCOAL PIG IRON
BRAND "DESERONTO."
Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

"MIDLAND"
BRAND
Foundry Pig Iron.
Made from carefully selected Lake Superior Ores, with Connellsville Coke as fuel, "Midland" will rival in quality and grading the very best of the imported brands.
Write for Prices to Sales Agents
Drummond, McCall & Co.
or to MONTREAL, QUE.
Canada Iron Furnace Co.
MIDLAND, ONT. Limited

quotable change has been made. We quote : Norway carriage bolts, 55 per cent.; common, 50 per cent.; full square carriage bolts, 55 per cent.; machine bolts, 50 and 5 per cent.; coach screws, 66 2-3 per cent.; sleigh shoe bolts, 65 and 5 per cent.; blank bolts, 50 and 5 per cent.; bolt ends, 50 and 5 per cent.; plough bolts, 50 and 5 per cent. To any retailer an extra discount of 10 per cent. is allowed. Tire bolts, 67½ per cent.; stove bolts, 67½ per cent. Nuts, square, 3¼ per lb. off list; hexagon nuts, 3¾c. per lb. off list. To all retailers an extra discount of ¼c. per lb. is allowed.

BUILDING PAPER.—This is one of the best selling lines in the hardware list at present, and prices are steady and unchanged. Our quotations are as follows : Tarred felt, $1.70 per 100 lb.; 2-ply, ready roofing, 85c. per roll ; 3- ply, $1.10 per roll ; carpet felt, $2.25 per 100 lb.; dry sheathing, 30c. per roll ; tar sheathing, 40c. per roll ; dry fibre, 50c. per roll; tarred fibre, 60c. per roll ; O K and I X L, 65c. per roll ; heavy straw sheathing, $30 per ton ; slaters' felt, 60c. per roll.

CORDAGE.—Business in cordage is still brisk. Binder twine is moving rapidly. Quotations follow : Manila, 16c.; British manila, 14½c.; sisal, 13c.; lathyarn, 11½c. Prices on binder twine are as follows : Blue Ribbon, 650 feet to the pound, 15c.; Redcat, 600 feet to the pound, 14c. ; Tiger, 550 feet to the pound, 13c. ; Standard, 500 feet to the pound, 11½c.; sisal, 500 feet to the pound, 11½c. Prices are subject to a rebate of ¼c. in carload lots.

RIVETS AND BURRS.—Trade is fair, and our quotations are as follows : Best iron rivets, section, carriage, and wagon box, black rivets, tinned do., coopers' rivets and tinned swedes rivets, 60 and 10 per cent.; swedes iron burrs are quoted at 55 per cent. off ; copper rivets, with the usual proportion of burrs, 45 and 10 per cent. off, and coppered iron rivets and burrs, in 5-lb. carton boxes, are quoted at 60 and 10 per cent. off list.

SCREEN WIRE CLOTH.—The demand for this on the local market keeps up well. The price is $1.37½ per 100 square feet.

POULTRY NETTING.—The market is active and unchanged from last week's report. We quote : Canadian or English, 2 x 2 mesh, 19 wire, 50 and 10 per cent.; 2 x 2 mesh, heavier wire, 50 per cent. Canadian list used.

HARVEST TOOLS.—Business is still brisk. The discount is 60 per cent.

FIREBRICKS.—There is some improvement in this market this week, but the demand is no more than moderate. Scotch are selling at $19 to $23.50, and English at $18.50 to $22.50 per 1,000.

CEMENT.—Some business is passing in cement at the prices here quoted, but the market is not active. Quotations are : German cement, $2.30 to $2.40 ; English, $2.25 to $2.35 ; Belgian, $1.70 to $1.95 per bbl. ex-wharf, and American, $2.20 to $2.30 ex-cars.

METALS.

The week on the English market has been a holiday (Whitsuntide) and nothing has occurred to alter the position of metals there. Locally, the only change has been the advance in pig tin of 2c. Supplies of most metals here are quite ample for the demand, though the feeling on the market, as a whole, is firm.

A. C. LESLIE & CO.
HEADQUARTERS FOR
IRON, STEEL and METALS
BEST BRANDS AT LOW PRICES TO WHOLESALE BUYERS.
Sanderson's Steel in stock.
509-512 Merchants Bank Building,
MONTREAL.

THE R. McDOUGALL CO., Limited,
GALT, ONT.
Manufacturers of

Iron and Brass
PUMPS
FOR ALL SERVICES.
FORCE PUMPS,
LIFT PUMPS,
CISTERN PUMPS,
HAND OR POWER PUMPS
OF ALL KINDS.
Catalogue for the asking.
OUR MOTTO: "The best quality and right prices."

We offer for Prompt Shipment—
Pig Iron,
No. 1 "Carnbroe"
No. 3 "Middlesbro"
Pig Tin,
Straits
Lamb & Flag
Ingot Copper,
"M. & A." and "Lake"
Lead,
Antimony.
ADAM HOPE & CO.
Hamilton, Ont.

NOVA SCOTIA STEEL & COAL CO., Limited
NEW GLASGOW, N.S.
Manufacturers of
Ferrona Pig Iron
And SIEMENS MARTIN
OPEN HEARTH STEEL.



Your Faith

will be as strong as ours if you try a sample order of **Elastilite Varnish.** And ours is so strong we guarantee every tin of it we put up.

This protects both you and your customer.

MANUFACTURED ONLY BY

The Imperial Varnish & Color Co. LIMITED

Toronto, Ont., Canada.

Canadian Agents for Buehne's "Red, White and Blue" Brand Steel Wool.

It has taken TIME and MONEY To do it:

But we have been rewarded. Our object has been to place with the retail trade a paint which would **stand the test of the most critical customer.**

"ARK BRAND"

has done the work. Its sales are daily increasing and we have all but fulfilled our expectations. We know this could not be done with a cheap paint.

"ARK BRAND" IS NOT CHEAP.
"ARK BRAND" IS GOOD VALUE.

Write for Booklet on "Paint Talk."
You will see what others say.

THE FRANCIS-FROST CO. Limited

TORONTO.

Canadian Distributing Agents for Grippin's Crack Filler.

PIG IRON.—The demand keeps up at unchanged prices. Owing to the difficulty of obtaining supplies, the market remains very firm. We quote: Canadian, $18.50 to $19, and Summerlee, $21.50 to $22.

BAR IRON.—This market has been better supplied during the week, but the feeling is still firm. Merchants' bar is quoted at $2, and horseshoe iron at $2.20.

BLACK SHEETS.—The market is active and steady. We quote: 28 gauge, $2.65; 26 gauge, $2.60; 20 to 24 gauge, $2.50, and 8 to 20 gauge, $2.50.

GALVANIZED IRON.—There is a fair demand. Quotations are as follows: No. 28, Queen's Head, $4.40; Apollo, 10 oz., $4.40; Fleur de Lis, $4.15; Comet, $4.25; "Bell" brand, $4.30. For less than caselots, 10c. extra.

INGOT COPPER.—There has been no quotable change, and the price is still 14c., with a moderate demand.

INGOT TIN.—The demand for ingot tin is little more than fair. Straits are now quoted at 33c.

PIG LEAD.—There is not much doing. We quote $3.25.

LEAD PIPE.—The market is fairly active. The price of composition waste is 7½c. and ordinary, 7c. Discount, 37½ per cent.

IRON PIPE.—A very good demand keeps up for iron pipe, and the market is steady at unchanged prices. We quote: Black pipe, ⅛, $3; ¼, $2.40; ⅜, $2.65; ½, $3; ¾, $3.70; 1-in., $5.25; 1¼, $7.40; 1½, $8.90; 2-in., $12.40. Galvanized, ¼, $3.20; ⅜, $3.45; ½, $4; ¾, $5.05; 1-in., $7.25; 1¼, $10.10; 1½, $12.15; 2 in., $16.70. Extra heavy pipe, plain ends, are quoted, per 100 ft., as follows: Black, ½, $4.35; ¾, $5.30; 1-in., $7.60; 1¼, $10.60; 1½, $12.70; 2-in., $17.45. Galvanized, ½, $5.35; ¾, $6.70; 1-in., $9.60; 1¼, $13.30; 1½, $15.95; 2-in., $21.75. For threads and couplings 5 per cent. is added.

TINPLATES.—Trade is not very active. We quote: Charcoals, $4.75 to $5.25 per box, and cokes, $4.25 per box.

CANADA PLATE.—The market is steady but quite firm. The demand is good. We quote: 52's, $2.70 to $2.80; 60's, $2.85 to $2.90; 75's, $2.80 to $2.85; full polished, $3.75, and galvanized, $4.25 to $4.35.

STEEL.—Trade continues active and no change has been made in the price. Our quotations are as follows: Sleighshoe, $2.10; tire, $2.15; bar, $2.05; spring, $2.85; reeled machinery, $2.85; toecalk, $2.70.

SHEET STEEL.—This is in fair demand. Quotations are as follows: Nos. 10 to 20, $2.50; 3-16, $2.50; ¼, 5-16 and ⅜, $2.40.

TOOL STEEL.—There is a little improvement in the market this week. We quote: Black Diamond, 8c.; Sanderson's, 8 to 12c., according to grade; Jessop's, 13c., and Leonard's, 7½c.

TERNE PLATES.—The market is dull. The price is $7.75 to $8.

COIL CHAIN.—There is a fair trade still doing at the prices quoted, which are unchanged from our last report. We quote: No. 6, 12½c.; No. 5, 10½c.; No. 4, 10c.; No. 3, 9½c.; ¼-inch, 7½c. per lb.; 5-16, $5; 5-16 exact, $5.25; ⅜, $4.25; 7-16, $4.05; ½, $3.95; 9-16, $3.85; ⅝, $3.55; ¾, $3.50; ⅞, $3.45; 1-inch, $3.45. In carload lots an allowance of 10c. is made.

SHEET ZINC.—The inquiry is not active, but some improvement is noted in the market. The price remains at $5.85 to $6.25.

ANTIMONY.—The market is featureless and the price is 10c.

ZINC SPELTER.—We quote 5c.

SOLDER.—There has been no abatement in the demand for solder, and both bar and wire solder are moving out well. Bar solder is worth 18c. and wire, 20c.

PAINTS AND OILS.

The most recent advices from the Southern markets give evidence of greater strength in turpentine. The market cannot be called firm, but there is, at least, none of the weakness which characterized it for some time past. Locally, there is an active inquiry, and prices are unchanged. Linseed oil is still scarce. Shipments have been delayed and we have heard of no more arrivals since our last report. The demand, however, is still heavy; so much so that it is difficult for the crushers to keep up with it. Following the advance in Toronto, an advance of 1c. was made on this market the next day. Dealers, at present, do not seem inclined to make further advances, although nothing certain can be said of the future. In paints and oils the brisk movement continues, and from all appearances is likely to keep up through the summer months. No change having been made in the price of white lead at the quarterly meeting held last week, the market is steadier, and orders have come in at a good rate. Dry colors are going well. Window-blind greens are particu-

larly active, and it is reported that some scarcity is being felt on account of the run on this article. Ultramarine blues are quiet. Golden ochres are firm in price and in good demand. Supplies of English vermilion are now to hand, and the movement is active. Manufacturers report good sized orders from all over the Dominion for colors ground in oil, marine paints, stains and varnishes. We quote :

WHITE LEAD.—Best brands, Government standard, $5.87½ ; No. 1, $5.50 ; No. 2, $5.12½ ; No. 3, $4.75 ; No. 4, $4.37½ all f.o.b. Montreal.

DRY WHITE LEAD.—$5.25 in casks ; kegs, $5.50.

DRY WHITE ZINC.—Pure dry, 6¼c. ; No. 1, 5¼c.; in oil, pure, 7¼c.; No. 1, 6¼.; No. 2, 5¼c.

PUTTY.—We quote : Bulk, in bbls., $1.90 per 100 lb.; bulk, in less quantity, $2.05 ; bladders, in bbls., $2.25 ; bladders, in 100 or 200-lb. kegs or boxes, $2.40 ; in tins, $2.55 to $2.65 ; in less than 100-lb. lots, $3 f.o.b. Montreal, Ottawa, Toronto, Hamilton, London and Guelph. Maritime Provinces, 10c. higher, f.o.b. St. John and Halifax.

ORANGE MINERAL.—Casks, 7c.; 100-lb. kegs, 7¼c.; smaller quantities, 8¼c.

RED LEAD.—Genuine red lead, in casks, $4.50 ; in 100-lb. kegs, $4.75 ; in less quantities, $5.75 per 100 lb. No. 1 red lead, casks, $4.25 ; kegs, $4.50, and smaller quantities, $5.50.

LITHARGE.—Ground, casks, 5c. ; less quantities, 5½c.; flake litharge, casks, $5.25 ; smalls, $5.75 per 100 lb.

LINSEED OIL.—Raw, 81c.; boiled, 84c. In 5 to 9 barrels, 1c. less. Terms, net cash in 30 days. Delivered in Ontario, between Montreal and Oshawa, at 2c. per gallon advance, and freight allowed.

TURPENTINE.—Single barrels, 70c.; 2 to 4 barrels, 69c. Terms, net cash in 30 days.

SHELLAC VARNISH.—Pure white, $2.35 to $2.45 ; orange, $2.25 to $2.35.

MIXED PAINTS.—$1.20 to $1.45 per gallon.

CASTOR OIL.—8¾ to 9¼c. in wholesale lots, and ½c. additional for small lots.

SEAL OIL.—47½ to 49c.

COD OIL.—32½ to 35c.

PARIS GREEN.—Petroleum, bbls., 16¾c. per lb.; arsenic kegs, 17c.; 50 and 100-lb. drums, 17½c.; 25-lb. drums, 18c.; 1-lb. packages, 18½c.; ½-lb. packages, 20½c.; 1 lb. tins, 19½c.; ½-lb. tins, 21½c. f.o.b. Montreal. Terms : 3 per cent. 30 days, or four months from date of delivery.

SCRAP METALS.

Trade continues fair and prices are unchanged. Our quotations are as follows : Heavy copper and wire, 11c. per lb.; light copper, 8c.; heavy red brass, 10½c.; heavy yellow, 9c.; light brass, 5c.; lead, 2⅞ to 2⅝c.; zinc, 2¼c.; iron, No. 1, wrought, $16 ; No. 2, $7 per ton ; machinery scrap, $16 ; stove plate, $12 ; malleable and steel, $5 ; mixed country rags, 60 to 70c. per 100 lb. ; old rubbers, 6¼c. per lb.

GLASS.

A few deliveries of glass are still in progress, but the market, in general, is quiet. We quote: First break, 50 ft., $2.10 second, $2.20 for 50 feet ; first break, 100 feet, $4 ; second break, $4.20 ; third break, $4.70 ; fourth break, $4.95.

HIDES.

The hide market is somewhat easier, and 9½c. is not obtained now. Lambskins, however, have advanced 5 to 10c. We quote : No. 1 hides, 9c.; No. 2, 8c. ; No. 3, 7c. No. 1 calfskins, 12c.; sheepskins, 70c.; lambskins, 15 to 20c. per lb.

MONTREAL NOTES.

Linseed oil is 1c. higher.

Ingot tin has advanced 2c.

Barn door track is ¼c. per foot higher.

Lambskins have gone up 5 to 10c. per pound.

ONTARIO MARKETS.

Toronto, May 23, 1902.

HARDWARE.

A GOOD business is still being done in the wholesale hardware trade. The activity is not as pronounced as it was, but little else is to be expected, especially in view of the heavy business that was done in March and April. Increased activity is expected with the advent of June. No important changes have taken place in the price of hardware during the past week, but the few unimportant changes which have been made have been in an upward direction. Harvest tools are in rather better supply, but some difficulty is being experienced in promptly filling orders for lawn mowers, poultry netting and screen doors. Payments appear to be fairly satisfactory.

BARB WIRE.—The demand is quite active, although the individual quantities going forward are not large. We quote : F.o.b. Cleveland, $2.27½ for less than carlots, and $2.65 for carlots. From stock, Toronto, $3.

GALVANIZED WIRE.—The demand is fair. We quote as follows : Nos. 6, 7 and 8, $3.50 to $3.85 per 100 lb., according to quantity ; No. 9, $2.85 to $3.15 ; No. 10, $3.60 to $3.95 ; No. 11, $3.70 to $4.10 ; No. 12, $3 to $3.30 ; No. 13, $3.10 to $3.40 ; No. 14, $4.10 to $4.50 ; No. 15, $4.60 to $5.50 ; No. 16, $4.85 to $5.35. Nos. 6 to 9 base f.o.b. Cleveland are quoted at $2.52½ in less than carlots and 12c. less for carlots of 15 tons.

SMOOTH STEEL WIRE.—There is not a great deal doing in oiled and annealed wire, and there is no demand for hay baling wire. We quote base price: $2.60 per 100 lb. Oiling, 10c.; coppering, 60c.;and tinning, $2 per 100 lb. extra. Delivery points Toronto, Hamilton, London and Montreal, with freights equalized on those points.

FINE STEEL WIRE.—Trade keeps fair. The discount is 22½ per cent.

WIRE NAILS.—The demand is good and there is quite an active movement in small lots. Quotations are as follows : $2.55 for less than carlots and $2.50 for carlots. Delivery points, Toronto, Hamilton, London, Gananoque and Montreal.

CUT NAILS.—There is no improvement in the demand. Base price is $2.45 per keg with an allowance of 7½c. per keg on carlots.

HORSE NAILS.—These continue quiet. Discounts are : "C" brand, oval head, 50 and 7½ per cent.; on "M" brand, 50, 10 and 5 per cent.; "Monarch," 60 per cent. Countersunk head, 60 per cent.

HORSESHOES.—Trade is quiet, and we quote as follows f.o.b. Toronto : Iron shoes, No. 2 and larger, light, medium and heavy, $3.60 ; snow shoes, $3.85 ; light steel shoes, $3.70 ; featherweight (all sizes), $4.95 ; iron shoes, No. 1 and smaller, light, medium and heavy (all sizes), $3.85 ; snow shoes, $4 ; light steel shoes, $3.95 ; featherweight (all sizes), $4.95.



SCREWS.—A good trade is being done. The discounts are as follows : Flat head bright, 87½ and 10 per cent.; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.; round head bronze, 65 per cent., and flat head bronze 70 per cent.

RIVETS AND BURRS.—Orders are still numerous and our quotations are as follows : Iron rivets, 60 and 10 per cent.; iron burrs, 55 per cent.; copper rivets, with usual proportion of burrs, 45 and 10 per cent.; copper burrs alone, 30 and 10 per cent.

BOLTS AND NUTS.—Our quotations are as follows : Carriage bolts, common ($1.00 list), 50 per cent. ; carriage bolts, full square ($2.40 list), 55 per cent.; carriage bolts, Norway iron ($3 list), 55 per cent.; machine bolts, all sizes, 50 and 5 per cent.; coach screws, cone points, 66 2-3 per cent.; elevator shaft and whiffletree bolts, 50 per cent.

ROPE.—Trade is fair although not as brisk as it was. We quote: Pure manila, 16c.; British manila, 14½c.; sisal, 13c.; lathyarn, 12c.; sisal bed cord, 3 cord, 18 ft., 65c.; 60 ft., 80c.; 72 ft., 95c. per doz.

BINDER TWINE.—The manufacturers are well filled with orders, but not much new business is coming to hand at present. Quotations are as follows : "Blue Ribbon," 650 feet, 15c.; "Red Cap," 600 feet, 14c.; "Tiger," 580 feet, 13c.; sisal, 500 feet, 11½c.

EAVETROUGH, ETC.—There has been a good movement during the week. Eavetrough is quoted at $3.10 per 100 feet for 10 inch, and conductor pipe at $4 for 3 inch and $5.25 for 4 inch.

SCREEN DOORS AND WINDOWS.—There is quite a good movement, but

screen doors are scarce. Common doors, 2 or 3 panel, are quoted f.o.b. factory points as follows: Walnut, stained, 3-in. style, $6.80 per dozen; stained, yellow, $7; natural color, oil finish, $8.15; 4-in. style, 20c. extra per dozen. Windows: No. 0, $1.60; No. 1, $1.70; No. 2, $1.95; No. 3, $2.10; No. 4, $2.50 per dozen.

GREEN WIRE CLOTH.—Through an inadvertence the price of green wire cloth was quoted in this column last week at $1.30. It should have read $1.37½, as given in our prices current. Business is fairly good.

SPADES AND SHOVELS.—The movement is only fair. Discount, 40 and 5 per cent.

HARVEST TOOLS.—The demand is good, particularly for forks, scythes and swaths. The manufacturers are in a better position than they were to fill orders. Discount, 60 per cent.

BUILDING PAPER.—The demand is fair. Quotations are as follows: Dry sheathing, grey or straw, 30c. per roll; tar sheathing, grey or straw, 40c. per roll; dry fibre, 50c. per roll; tarred fibre, 60c. per roll.

LAWN MOWERS.—There is a big demand and the manufacturers have more orders than they can fill. The discount is 50 per cent. on high wheeled lawn mowers. "Star" mowers, 9-in. wheels, $2.25 to $3; "Daisy" mowers, 17-in. wheels, $2.25 to $2.50.

POULTRY NETTING.—Quite a few orders have been received during the past week, and difficulty is being experienced in getting supplies from factory.

TINWARE AND ENAMELLED WARE.—In general lines of tinware there is a good demand. Discount, 40 per cent. There is a fair business in enamelled ware.

FREEZERS AND REFRIGERATORS.—The demand is good.

STOVES.—Quite a few cooking stoves and ranges are being shipped. The season has opened up well and stocks in some lines are lower than they were last year at this time.

GAS AND OIL STOVES.—The demand for oil stoves is particularly good. Some of the dealers report it the best in their experience. Gas stoves are in fair demand.

MILK CAN TRIMMINGS.—The demand has been active the past week. It is nearing the end of the season for milk can trimmings, but nearly everyone seems to be in a hurry to get his orders filled. Discount, 25 per cent.

SPORTING GOODS.—A fair business is being done. Quite a number of orders for loaded shells, cartridges, guns and rifles for fall delivery are being received.

CEMENT.—The improved demand for cement and the scarcity of coal combined have resulted in an advance in that article of 10c. per barrel. The market is strong. We quote: Canadian Portland, $2 to $2.85; Canadian hydraulic, $1.35 to $1.60; German cement, $3; English, $3 to $3.15; Belgian, $2.50 to $2.75 per bbl., and American, $2.20 to $2.30 ex cars.

METALS.

The iron market continues to gather strength, while steel is as scarce as ever. In metals generally, trade is brisk and prices firm.

PIG IRON—The furnaces are still well supplied with orders, and prices rule firm. No. 2 Canadian foundry iron is quoted at $21 on track Toronto.

BAR IRON—The demand continues brisk and prices firm. We quote $1.95 to $2.05 base. Extras cut to length while rolling: 2 ft. and over, 10c. per 100 lb.; 1 ft. and under 2 ft., 15c.; under 1 ft. 20c.; over 20 ft. by special agreement, according to length and size.

STEEL.—The market keeps very strong, and supplies are scarce. We quote as follows: Merchantable cast steel, 9 to 15c. per lb.; drill steel, 8 to 10c. per lb.; "B C" and "Black Diamond" tool steel, 10 to 11c.; Jessop's, Morton's and Firth's tool steel, 14c.; toe calk steel, $2.85 to $3; tire steel, $2.30 to $2.50; sleighshoe steel, $2.10 to $2.25; reeled machinery steel, $3; hoop steel, $2.90.

BLACK SHEETS—There is a good demand and a good deal of difficulty is being experienced in getting supplies, both in dead flat and in commom. We quote: Common, $3 15 for 28 gauge; and dead flat, $2.50 for 26 gauge.

CANADA PLATES—This is a slack period in the trade in Canada plates, but the outside markets are firm. We quote: All dull, $3; half polished, $3.10; all bright, $3.75.

GALVANIZED SHEETS — The demand is good and stocks are light. A good many orders are being placed both for prompt shipment and for importation. We quote in case lots as follows: Queen's Head, $4.50 for 28 gauge; American, $4 40 for 29 gauge, Bell brand, $4.20 for 28 gauge.

TIN—The outside markets are strong and higher. Locally, the demand is good and prices higher at $33 to $34.

TINPLATES—The demand has improved and prices are firmer in Great Britain, where the makers are well employed. We quote I C, 14x20, at $4.25.

TINNED SHEETS — Quotations are 50c. higher in sympathy with a similar advance in Great Britain. The cable announcing the advance was received on Thursday. We quote: 70 x 30, up to 24 gauge, $8; ditto, up to 26 gauge, $8.50.

COPPER—The strength of the outside markets has stimulated the demand locally for ingot copper. Prices have been steadily advancing in both England and the United States all the week. Sheet copper is in fair demand and unchanged in price. We quote ingot at $14 per 100 lb., and sheet copper at $22 to $23.

BRASS—Trade is fair and discount unchanged at 15 per cent.

PIG LEAD—The demand is good. We quote $3.50 to $3.75 for pig and $5 for bar lead.

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.

'WELLINGTON'

KNIFE POLISH

JOHN OAKEY & SONS, LIMITED

MANUFACTURERS OF

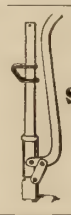
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.

Wellington Mills, London, England.

Agent:

JOHN FORMAN, 644 Craig Street

MONTREAL



COVERT MFG. CO.

West Troy, N.Y.

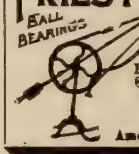
Steel Carriage and Wagon Jacks,

Harness Snaps, Chain, Rope and Web Goods, etc.

FOR SALE BY JOBBERS AT MFRS. PRICES.

PRIEST'S CLIPPERS

BALL BEARINGS



Largest Variety, Toilet, Hand, Electric Power

ARE THE BEST.

Highest Quality Grooming and Sheep-Shearing Machines.

WE MAKE THEM.

SEND FOR CATALOGUE TO

American Shearer Mfg. Co., Nashua, N.H., U.S.A.

The Best Door Closer is . . .

NEWMAN'S INVINCIBLE FLOOR SPRING

Will close a door silently against any pressure of wind. Has many working advantages over the ordinary spring, and has twice the wear. In use throughout Great Britain and the Colonies. Gives perfect satisfaction. Made only by

W. NEWMAN & SONS,

Hospital St., - - BIRMINGHAM.

Oneida Community Goods

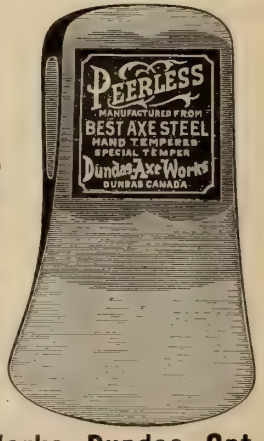
HALTERS, COW TIES SNAPS, etc., etc.,

in all sizes and styles. May be had of all jobbers throughout Canada.

Factory—NIAGARA FALLS, ONT.

A RECORD

Out of 6,000 Axes sold under guarantee in 1901 we did not have six returned broken.



Dundas Axe Works, Dundas, Ont.

W. L. Haldimand, Jr., Montreal Agent.

IRON PIPE — A fair business is being done and prices are steady and unchanged. We quote per 100 ft. : ¼-in., $2.40; ⅜-in., $2.65; ½-in., $2.85; ¾-in., $3 65; 1-in., $5.20; 1¼-in., $7.35; 1½-in., $8.95; 2-in., $12.55; galvanized, 1 in., $7.20. Trade discount 4 per cent.

ZINC SPELTER—There is only a small movement. We quote $5.50 to $6.

ZINC SHEET—Orders are numerous, but only for small lots. We are quoting cask lots at $6 to $6.25, and part casks at $6.25 to $6.50.

SOLDER—The demand is good. We quote: Half-and-half, guaranteed, 20c.; do. commercial, 19½c.; refined, 19c.; wiping, 18½c.

ANTIMONY—Trade is actice and prices are unchanged at $9.50 per 100 lb.

PAINTS AND OILS.

Raw and boiled linseed oils are very scarce here and the market has a strong tendency to advance. The oil manufacturers are behind with their orders and several seem to be on the point of closing down owing to a scarcity of seed or some other cause. The prices in Great Britain have increased until now raw oil is worth 33s. 1½d. per cwt. This is the highest point reached in five years. Up to time of writing there have been no changes here. Turpentine continues firm. The prices of white leads ground in oil, in sympathy with the high prices of linseed oil, are strong. The demand for all kinds of paints continues steady. A number of repeat orders are commencing to come in, keeping the local jobbers busy. The local trade has not been so heavy this year as it might have been, but the great number of buildings projected and in course of erection will create a large demand for paints of all descriptions before the season is over. Paris green is still quiet and not much trade is expected in it for two or three weeks to come. The dealers are well stocked and will not send in repeat orders until the present supply they have on hand is sold. We quote :

WHITE LEAD—Ex Toronto, pure white lead, $5.87½; No. 1, $5.50; No. 2, $5.12½; No. 3, $4.75; No. 4, $4.37½ in packages of 25 lb. and upwards; ½c. per lb. extra will be charged for 12½ lb. packages; genuine dry white lead in casks, $5.12½.

RED LEAD—Genuine, in casks of 560 lb., $5 to $5.12½; ditto, in kegs of 100 lb., $5.50; No. 1, in casks of 560 lb., $4; ditto, kegs of 100 lb., $4 50.

LITHARGE—Genuine, 6 to 6½c.

ORANGE MINERAL—Genuine, 7½ to 8c.

WHITE ZINC—Genuine, French V.M., in casks, $6 to $6.25; Lehigh, in casks, $6.

SHINGLE STAIN—In 5-gal. lots, 60c. to $1.20 per gal.

BENZINE—In barrel lots, 17c. per gal.; less quantities, 25c. per gal.

PARIS WHITE—90c. to $1 per 100 lb.

WHITING—65c. per 100 lb.; Gilders' whiting, 80c.

GUM SHELLAC—In cases, 35c.; in less than cases, 40c. per lb.

LIQUID SHELLAC—Pure orange, in bbls., $2.25 to $2.35; white, $2.35 to $2.45 per gal.; in less quantities, 10c. extra.

PUTTY—Bladders, in bbls., $2 25; bladders, in 100 lb. kegs, $2.40; bulk in bbls., $1.90; bulk, less than bbls. and up to 100 lb., $2.05; bladders, bulk or tins, less than 100 lb., $2 90.

PLASTER PARIS—New Brunswick, $1.90 per bbl.

PUMICE STONE—Powdered, $2.50 per cwt. in bbls., and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in bbls.

LIQUID PAINTS—Pure, $1.20 to $1.40 per gal.; No. 1, $1.10 per gal.

CASTOR OIL—English, in cases, 9½ to 10c. per lb. and 10 to 10½c. for single tins.

LINSEED OIL— Raw, 1 to 2 barrels, 83c.; boiled, 86c.; 3 to 5 barrels, raw, 82c.; boiled, 85c.; 6 to 9 barrels, raw, 80c.; boiled, 83c.; 10 to 60 barrels, raw, 78c.; boiled, 81c., delivered. To Toronto, Hamilton and London, 2c. less.

TURPENTINE—Single barrels, 71c.; 2 to 4 barrels, 70c., delivered. Toronto, Hamilton and London 1c. less. For less quantities than barrels, 5c. per gallon extra will be added, and for 5-gallon packages, 50c., and 10-gallon packages, 80c. will be charged.

GLASS.

The local demand continues fair. Jobbers are commencing to stock up for the fall trade. Recent advices from Europe show considerable advances in prices over there, and the market here will be strong. We quote: Under 26 in., $4.45; 26 to 40 in., $4 65; 41 to 50 in., $5.10; 51 to 60 in., $5.35; 61 to 70 in., $5 75; 71 to 80, $6.25; 81 to 85, $7; 86 to 90, $7.75; Toronto, Hamilton and London. Terms, 4 months, or 3 per cent. 30 days. Discount off pane price list, 33⅓ per cent.

OLD MATERIAL.

There is a moderate trade doing and the prices are unchanged. We quote as follows: Heavy copper and wire, 10¼c. per lb.; light copper, 8c. per lb.; heavy red brass, 10c.; heavy yellow brass, 8 to 8½c.; light brass, 5c.; lead, 2¼ to 2½c.; scrap zinc, 2¼ to 2½c.; iron, No. 1 wrought, $14.50 per net ton; No. 2 wrought, $6; machinery cast scrap, $14; stove plate, $10; malleable and steel, $6; old rubbers, 6c. per lb., and country mixed rags, 50c. per 100 lb.

COAL.

The lockout amongst the coal miners has stopped the supply of hard coal, but no famine here is anticipated by the coalmen, as they have sufficient supplies on hand to last three or four months to come. The retail prices of hard coal have been advanced 50c. per ton. We quote prices at international bridges: Grate, $4.75 per gross ton; egg, stove and nut, $5 per gross ton; soft coal, $2.50 to $3.25 in bond.

PETROLEUM.

Prices are unchanged and trade continues fair. We quote: Pratt's Astral, 17 to 17½c. in bulk (barrels extra); American water white, 17½ to 18c. in barrels; Photogene, 17 to 17½c.; Sarnia water white, 16½ to 17c. in barrels; Sarnia prime white, 15 to 15½c. in barrels.

HIDES, SKINS AND WOOL.

HIDES—There is a small supply of hides on hand, and the prices are firm. We quote: No. 1 green, 7½c.; No. 2 green, 6½c.; No. 1 green, steers, 8½c.; No. 2 green, steers, 7½c.; cured, 8½c.

SKINS — The season for sheepskins is about over. The arrivals of calfskins are large. We quote as follows: No. 1 calfskins, 10c.; and No. 2, 8c.; deacons (dairies) 60 to 70c. each; sheepskins, 80c. to $1; lambskins, 20 to 25c.

WOOL — This season's clip will soon be on the market, but there are no prospects of better prices being obtained, as there are still 400,000 or 500,000 lb. of last season's wool in the local storehouses still unsold.

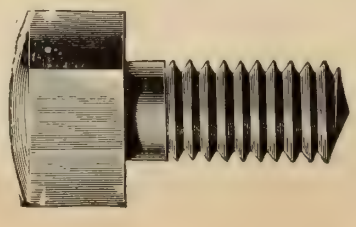
TALLOW—Trade is quiet. Quotations are 6¼ to 6½c., but dealers are asking 6¾c.

MARKET NOTES.

Pig tin is higher at $33 to $34.

Solder has advanced 1c. per lb.

Tinned sheets are quoted 50c. higher, in sympathy with the British market.



THE JOHN MORROW MACHINE SCREW COMPANY, Limited

Manufacturers of

Set and Cap Screws, Special Milled Work, Engine Studs, Etc. Cold Punched Nuts of every variety of finish.

INGERSOLL, ONT.

CECIL RHODES' PRACTICAL IDEALISM.

THE stirring events of the past few years have raised the progressive nations of the earth to a new level. They have a wider outlook than ever before. They are more keenly interested in general movements and policies than at any earlier time. Millions of men follow eagerly the steps in the settlement of the Chinese question. No great man now works in a corner, or in the dark; the whole world watches him, and either applauds or finds fault.

Cecil Rhodes had won the attention of the world. He talked little, but he worked mightily. He worked on great plans. He possessed the first requisite for success in any great undertaking, a powerful imagination. He could see far enough ahead to look upon a settled, civilized, and self governing South Africa, a part of the Great British Empire, a part more important and richer than Canada or Australia. He saw the tropical forests of the African continent pierced by an English railway, from the Cape to Cairo. He saw, too, that if England was to maintain her place in the world it must expand. It must expand in sympathy, in view point, in methods. It must conquer its insularity and acquire a stock of ideas in consonance with its remarkable powers.

These were great ideas. Mr. Rhodes labored for them in life, and the provisions of his will devote a large share of his fortune to them.

Consider a moment. Here is a hard headed, practical man, who has spent a quarter of a century in winning fame and a fortune in what we usually think of as an out-of-the-way corner of the world. He dies in the early prime of life and leaves his fortune to his ideals. Moreover, he selects education as the surest and best method of accomplishing his ideals. Nothing more significant than this has happened in a long time. It is an astonishing tribute to the power of education in bringing about results. There is a lesson in it which touches directly the interest of every boy and girl. It says, get education, get all of it you can. Do not sacrifice education for money getting. Get education and you get something that money cannot buy, and you will improve your chances of getting money as well.

Cecil Rhodes was a man of iron will. He believed in the Anglo Saxon stock, and in its will-power. He did not want it to yield before the Slavic or the Latin races, as Greece went down before Rome. To win in the world race, to assert itself effectively, the Anglo-Saxon will must be educated. It must be educated in such a way as to bring the various branches of the race together, in harmony and sympathy, rather than waste time and strength in quarreling with each other. This explains the scholarships at Oxford University which Mr. Rhodes founded for American and colonial students.

A practical idealist is a very high type of man. Mr. Rhodes was a practical idealist.

FIXED THEIR ASSESSMENT.

The Cockshutt Plow Co., Limited, of Brantford, Ont., have been granted, by the city council of that place, a fixed assessment of $60,000 on a new factory they will erect on Eagle Place, and $20,000 on the old one, with other concessions. Fire protection and water connection will also be supplied. This will cost about $1,500. The streets leading to the factory will be kept in a good state of repair and the city agrees to make no objection to the construction of a railway switch. The company will protect the city against all possible claims. Under this arrangement the plow company will pay the city $1,300 annually where at present they pay $400.

DEATH OF A HARDWAREMAN.

A noted hardware merchant of Kamloops, B.C., died recently in the person of Mr. James Vair. Born at Cobourg, Ont., in 1855, Mr. Vair went to British Columbia in 1883 settling at Spence's Bridge and afterwards removing to Kamloops, where he resided for 16 years. He was one of the first councillors elected at the incorporation of that city. He has also been secretary-treasurer of the school board, treasurer of the hospital, a member of the board of trade, and a member of the agricultural association. He belonged to the Oddfellows and has filled many important positions in that Order. He leaves a wife and three children.

INCREASED THEIR CAPACITY.

Burman & Sons, Limited, Birmingham, Eng., have purchased the plant, stock, patents and trade marks appertaining to the business of W. Bown, Limited, Sheffield, and will carry it on in future at the Lee Bank Works. They will spare no pains to keep intact the reputation gained at home and abroad by the "Newmarket" clipper, and, if possible, increase its fame. This "Newmarket" was the first capped or centre-adjustment clipper ever produced, and all similar types are only copies or modifications of Wm. Bown's original patent taken out in 1874.

ACCURATE MARKET REPORTS.

"I find HARDWARE AND METAL very useful and the market reports very convenient and accurate," writes J. W. Franks, dealer in stoves, tinware, farm implements, lumber, paints, etc., Woodbridge, Ont.

APATHY, THEN A RUSH.

Three months ago the demand for plates was so light that the market for this product was in striking contrast to that of most other branches of iron and steel. To-day all the plate mills are so well sold ahead that it is most difficult to buy for deliveries this year. It then looked as if the producing capacity of the plate mills was far in excess of requirements. Now it looks as if there should be additional mills to those in operation. No magical new markets have opened. The demand comes from old sources, with, of course, the usual widening of consumption that is going on in all branches of trade. This new business may be a little heavier in plates than some other lines, for the Southwest is a large and insistent inquirer for plates, owing to needs arising out of the Texas oil development. Still, the demand comes from all parts of the West, and the radical change in conditions can be attributed only in a small degree to the Southwestern purchases.—Iron and Steel.

FIRST IMPRESSIONS.

FIRST impressions, remarks Stoves and Hardware Reporter, are sometimes the best, in both business and personal matters. If a stranger comes into the store and is received and waited upon in a cheerful and courteous manner, obtaining what he asks for and not being overcharged, he is more apt to repeat his visit than if given a scant courtesy and practically asked to go about his business. He may buy only a paper of tacks, but he may also be a financial angel in disguise with a strong desire to purchase and an ability to carry out his wishes. It is a curious and not always creditable phase of human character that many of us, most of us, in fact, do not appreciate a courtesy so much as we resent any form of shabby treatment. This is as true of business life as it is of the personal side of it. If we are not well treated in a business way we do not care to subject ourselves to a further experience of the same kind and in the same place, but we are also inclined to talk about it, to the detriment of those who injured our feelings.

There is hardly a community, no matter how small, in which strangers do not put in an occasional appearance. They can generally be told at a glance. They deserve a courteous treatment for two reasons, one being the broad ground of hospitality and the other the more personal ground occupied by a new customer who may possibly prove to be a very profitable one. Where courtesy and self interest are linked together for the accomplishment of a given purpose, such as building up a business from a small beginning, they form a combination far more fruitful of results than when self-interest becomes independent and will only condescend to use the other advantage in its own behalf.

American Steel & Wire Co.

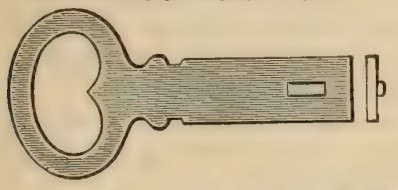
New York: Empire Building. Montreal: New York Life Building. Chicago: The Rookery.

BARB WIRE. GALVANIZED PLAIN WIRE.
PLAIN TWIST CABLE FENCING.

Telegraph and Telephone Wire, Mattress, Broom, Weaving Wires of every description, Rail Bonds, Bale Ties, Special Wires for all purposes. Springs, Horse Shoes, Wire Rope, Cold Drawn Steel Shafting.

KEYS

We have received our Spring stock and can ship promptly—Try us.



Bicycles

"EAGLE" AND "SNELL"

Send for Catalogues and trade quotations.



JOHN MILLEN & SONS

Branch: 132 Bay Street, Toronto, Ont. MONTREAL, CANADA

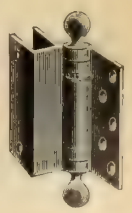
More OXFORD SPRING HINGES



In use to-day than ever before! Why? Because their worth has been proven by long years of service.

MADE

Single and Double Acting
WITH OR WITHOUT BLANKS
To close or throw door open
For Lavatories.



Perfectly designed and finished. Prices assist sales.

WRITE

LAMPLOUGH & McNAUGHTON, Canadian Sales Agents, 19 De Bresoles St., MONTREAL, QUE.

Sole Manufacturers:

THE COLUMBIAN HARDWARE COMPANY

CLEVELAND, O.

HEATING AND PLUMBING

BUILDING PERMITS IN TORONTO.

THERE has been a larger number of building permits taken out during the week than usual; they are as follows: E. Rush, for a two-storey brick dwelling on 97 Lippincott street, for $2,100; G. Smith, for a two-storey roughcast dwelling on Preston avenue, for $700; Mrs. Matilda Fraser, for a two-storey roughcast dwelling on 19 Pendreth street, for $900; Robert Davies, for a one-storey brick addition to hotel at the corner of King and Sherbourne streets, for $600; W. F. Elliott, for a pair of two-storey brick and roughcast dwellings on Pendrith street, for $1,500; Hutchins & Burns, for a pair of two-storey brick dwellings on 109 and 111 Close avenue, for $4,800; C. McClelland, for a pair of two-storey brick dwellings on Rosebery avenue, for $6,000; Mrs. Young, for a three-storey brick addition to dwelling on the corner of Queen and George streets, for $6,000; Thos. Davies, for alterations to dwellings on 23 and 25 Elliott street, for $800; Arthur S. Goddard, for a two-storey brick dwelling on the east side of Howland avenue, for $3,000; Mrs. A. W. Ingram, for a pair of two-storey brick and roughcast dwellings on the west side of West avenue, for $3,200; Matthew Murphy, for a pair of two-storey brick dwellings on the west side of Huron street, for $7,000; George R. Copping, for a two-storey brick residence on the south side of South Drive, Rosedale, for $7,000; John Beatty, for a two-storey brick and stone dwelling on the south side of Crescent Road, for $5,350; Mrs. James Macdonald for alterations and additions to dwelling on 63 Spadina avenue, for $3,000; Consumers' Gas Co., for a 135 ft. brick and stone chimney on the east side of Parliament street near Front, for $8,000; J. Barrett, for a brick cellar and front to dwelling on 257 Deleware avenue, for $300; J. D. Young, for a pair of two-storey brick dwellings on 341-343 Markham street, for $4,500; J. M. Purvis, for a one-storey frame hay shed in rear of 86 Don Esplanade covered with galvanized non-corrosive iron, for $500; A. F. Millar, for a pair of semi-detached two-storey brick and roughcast dwellings on the east side of Sumach street, for $2,600; James Lumbers, for three two-storey roughcast dwellings on the north side of Queen street, near Woodbine avenue, for $3,600, John Wighton, for a pair of two-storey brick and roughcast dwellings on 47 and 49 Summerhill avenue, for $5,000; H. S. Mara, for a pair of two-storey brick dwellings on 475 and 477 Dovercourt Road, for $3,000; H. S. Mara, for a pair of two-storey brick dwellings on Gorevale avenue near Arthur street, for $2,500; J. W. Shuter, for a two-storey brick and roughcast dwelling on 189 Ossington avenue, for $1,200; Alfred A. Vaughan, for a two-storey frame stable, covered with galvanized corrugated iron, on 256 Brunswick avenue, for $225; L. H. Bryce, for a one-storey frame and roughcast addition in rear of 284 King street east, for $150; James A. Mallon, for a two storey summer dwelling on Mohawk avenue, near Lake Shore Road, for $600; J. T. Wood, for a one storey addition to 683 Crawford street, for $90; W. T. Prior, for a two-storey brick dwelling on Burnfield avenue, near Ossington avenue, for $500; A. H. Williams, for a two-storey roughcast dwelling on 46 Essex street, for $500; F. M. Noble, for underpinning dwelling with brick and stone on 14 and 16 Classic avenue, for $200; Mrs. Ivy B. Lesser, for a two-storey brick dwelling on McMaster avenue, near Avenue Road, for $2,200; Lawrence Boyd, for a two-storey brick residence on the west side of Hawthorne avenue, near Wanton Crescent, for $4,000; John Murray, for alterations to three attached dwellings on 232, 234 and 236 Berkeley street, for $2,000; Henry Swan, for alterations to dwellings on 72 Woodlawn avenue, for $800; W. Richardson, for a two-storey brick residence on the north side of Dupont street, near Spadina Road, for $3,000, and James Wilson, for a two-storey roughcast stable, near Barton avenue, on Manning avenue, for $40.

SOME BUILDING NOTES.

A NEW branch post office will be erected at the corner of Queen and Abell streets, Toronto, at a cost of $35,000.

J. C. Manzer is building a brick residence at Andover, N.B.

A new Roman Catholic church is being erected at Westmount, Que.

G. H. Moore is erecting a new business block at Vancouver.

Thos. Dalgleish is erecting a brick block at Sault Ste. Marie, Ont.

W. W. Carruthers will erect a brick block at Morris, Man, this summer.

W. F. Longworthy is building a new residence at Port Arthur, Ont.

Two large hotels will be erected shortly at Winnipeg, one on Water street for Mr. Fitzgerald, and the other near The Hudson's Bay Co.'s stores, for Jas. O'Donohue.

Fred. Hanan is erecting a cottage at Cæsarea, Ont.

The R. McDougall Co. will erect a pattern shop at Galt, Ont.

W. R. Hull has commenced building his new block at Calgary, N.W.T.

A new Anglican church, costing about $5,000, will be built at Carberry, Man.

A two storey brick building is being erected by Mrs. J. Jefferson, at Paris, Ont.

A new Roman Catholic church is being erected in the Little Farm District, Hull, Que.

Dixi H. Ross is building a new warehouse at Vancouver that will cost $3,000 when completed.

A brick dwelling is being erected on Marguerite street, Hamilton, for Mrs. La Belle, to cost $900.

Alterations are being made to the premises of the Bank of British North America at Vancouver, B.C., at a cost of $7,000.

A new brick block, 62 x 120 ft. and three storeys high, is being built at St. Thomas, Ont., for The J. Mickleborough Co., Limited.

C P. Moore will erect a new three-storey dwelling on Charlotte and Pitt streets, Sydney, C.B.

A block to cost $60,000 is on the point of being erected at Vancouver, B.C., for the purposes of a Turkish bath.

THE NATIONAL CONVENTION.

At a meeting of the sub-committee of the National Association of Master Plumbers of Canada held in Montreal the other day, it was decided that the seventh annual convention should be held in Halifax on July 1 and 2.

All master plumbers who possibly can attend should do so, for they will no doubt be compensated for the expenditure entailed by the study of the questions which will come up for discussion.

It is particularly requested that the delegates appointed by the different subordinate associations shall arrange to attend.

BUILDING AT OTTAWA.

During the week, building permits at Ottawa have been granted to Charles Robertson, for a frame kitchen on McLeod street, for $200; Eclipse Office Furnishing Co., for a brick addition to their factory for

PAINTERS USE



THE RIGHT PAINTS TO PAINT RIGHT

Give them **RAMSAYS PAINTS.** The right paints to paint right at the right price. It will bring them to your store, all of them. The painter, the farmer, the householder. They leave you their money, you pay us a fair price for the best goods and bank a good profit for yourself. Business.

A. RAMSAY & SON
MONTREAL

EST'D 1842
PAINT MAKERS

Booth Copper Co., Limited

Cuts

Copper and Brass

SHEETS—TUBES—RODS

to any size.

FULL STOCK ALWAYS ON HAND.
PROMPT SHIPMENTS.

The BOOTH COPPER CO., Limited

119-123 Queen St. East,

TORONTO.

We Want Your Business

Our line of

Pipe Tools, and Pipe and Fittings

is second to none in the trade.

Prices right. **Exclusively high-class goods.**

Write us.

The Fairbanks Company

747 and 749 Craig Street, **Montreal**

$1,500; J. G. York, for a brick-veneered dwelling, on Nepean street, for $1,500; Baker & Co., for a brick store on Rideau street, for $2,000; George Lester, for a brick dwelling on Second avenue, for $1,500; Mrs. J. E. Parker, for two brick-veneered dwellings on Somerset street, for $2,500; J. A. Smart, for a veneered addition to dwelling on Bank street, for $1,000; D. Welch, for a brick-veneered dwelling on Second avenue, for $2,000; A. F. Laudells, for two frame tenements on Flora street, for $1,800; J. G. Butterworth, for alterations to stores on Bank street, for $500; Wm. Mackay, for addition to shop on Sparks street, for $4,000, and F. W. Howe, for a brick-veneered dwelling on Second avenue, for $1,000.

PLUMBING AND HEATING CONTRACTS.

The Bennett & Wright Co., of Toronto, Limited, plumbers, have secured contracts for the plumbing and gasfitting of the new premises of the Queen City Club, at the corner of Church and Hayden streets, and an extensive contract for the plumbing, steamfitting and ventilation of the premises of The Consumers' Gas Co., Limited, on Front street east. Four laboratories, all finely fitted up and lined with enamelled brick, will be installed. They will have expanded metal lockers and a high class of plumbing goods will be used in fitting them up, consisting of showers, closets, urinals and washbasins.

Menzies & Hayes, plumbers, Toronto, have contracts for the plumbing and gasfitting of two houses on Dufferin street; two houses on Spencer avence, and one on Park Road, Rosedale, for J. J. Walsh & Co., and a residence on Cluny avenue for the Macpherson Estate.

STRIKE STILL ON.

The plumbers' strike in Montreal continues, and, as before, both masters and men are confident that their respective sides will win in the end. Although a few more employers have given in to the demands of the men, the largest firms—those who practically control the trade—are still determined on keeping their position.

A great many buildings are going up, and improvements of all sorts are being made in the city and vicinity; and in a short time the situation will be keenly felt by property holders who cannot get their work done.

CONTRACT FOR IRONWORK.

The Canada Foundry Co., Toronto, has been awarded the contract for the ornamental ironwork for the new head office building in Montreal of The London, Liverpool and Globe Fire Insurance Co.

THE ST. LAWRENCE WATERWAY.

PARLIAMENT at its last session voted an appropriation for the proposed deep - water accommodation at Quebec, and tenders will be immediately called for the work. The site was last week inspected by the Minister of Public Works, Hon. J. Israel Tarte, and he is determined to rush the undertaking through in anticipation of its being used by the fast Atlantic line. The basin will probably be formed by adding 470 feet to the present breakwater and constructing in the form of a square 1,200 feet of cribwork, thus giving sufficient depth and mooring for steamers of the largest class.

The Minister also visited the Government shipyard at Sorel where the big suction dredge was built. It is now ready to go into commission and will be put to work dredging the channel in Lake St. Peter. This channel will be deepened to 27 feet at low water and will have at present a width of 300 feet. It will finally be extended to a width of 500 feet and a depth of 30 feet. There is at extreme low tide a depth of only 24 feet in that part of the channel. Work in improving the channels and aids to navigation on the St. Lawrence will be pushed forward with vigor this summer.

VALUATION OF THE GRAVENHURST PLANT.

Mr. W. Gee, of The Gee Electrical Engineering Co., Limited, Toronto, has been engaged by the Gravenhurst, Ont., Town Council as expert on the valuation of their electrical plant and the advising of them as to their future needs for alterations and equipment.

CONTRACTS FOR MOTOR DYNAMOS.

THE Gee Electrical Engineering Co., Limited, Toronto, have numerous contracts. At present they are working on contracts for the supplying of 10 dynamos for train lighting for The Gould Coupler Co., New York; a booster, dynamo and switchboard for the Berlin, Ont., Street Railway Co.; a 10 horse power motor for the pump works of the Ontario Engine and Pump Co. of Toronto; a 10 horse power motor for The Barber & Ellis Co., Toronto; the electric lighting and insulation work on St. Mary's Roman Catholic Church, Toronto; the extension work for the Wm. Davies Co.; the wiring of houses for M. Rawlinson and Fred Armstrong, Toronto, and for the manufacturers and dairy buildings at the Exhibition grounds, Toronto, and 29 other similar contracts in the city and outside.

They have recently installed a 30 horse-power motor for The Wm. Davies Co., Toronto; a 30 horse-power motor for The Toronto Star; a 6 horse-power motor for the Pump Works, Toronto; an 8 horse-power motor for Bates & Dodds, Toronto, and a 6 horse-power motor for The Duffett Furniture Co., Toronto, and motors of various sizes for Messrs. Whittaker, Robinson, Goodman, Clancy, Wheeler & Wilson, of Toronto, and others.

PROHIBITS TRADING STAMPS.

The Town Council of Sarnia, Ont., have passed a by-law prohibiting the use of trading stamps, coupons or other devices within the limits of the corporation. It will come into force on August 1, 1902.

AN ELECTIONEERING INCIDENT.

"Well, old man, you're with me in this election, aint you?"

"Marse Jim, did I ever fail you?"

"No, but one can't always tell how things are going, you know. Is there anything I can do for you?"

"No, suh—not ez I knows on—onless you got 'bout six dollars wuth er house rent in yo' pocket."

"Here it is."

"En three dollars wuth er groceries?"

"Here's the money."

"En two dollars worth er street tax?"

"I'll fix it."

"En a couple er loose dollars, so's ef I drap dead dey'll fin' enough in my pocket ter sen me home in a cab?"

"Is that all?"

"Dat's all, suh; 'cept dat I so glad ter see you I feels lak takin' a dram ter drink yo' good helt!"—Atlanta Constitution.

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY, MONTREAL.

Sealed tenders, addressed to the undersigned, and endorsed "Tender for Post Office, Clinton," will be received at this office until Tuesday, 3rd June next, inclusively, for the erection of a Post Office, at Clinton, Ont., according to plans and specifications to be seen at the Department of Public Works, Ottawa, and on application to the Macpherson & Hovey Co., Clinton.

Tenders will not be considered unless made on the form supplied, and signed with the actual signatures of the tenderers.

An accepted cheque on a chartered bank payable to the order of the Minister of Public Works, equal to ten per cent. (10 p.c.) of the amount of tender, must accompany each tender. The cheque will be forfeited if the party decline the contract or fail to complete the work contracted for, and will be returned in case of non-acceptance of tender.

The Department does not bind itself to accept the lowest or any tender.

By order,

FRED. GELINAS.

Secretary.

Department of Public Works, Ottawa, 12th May 1902.

Newspapers inserting this advertisement without authority from the Department will not be paid for it.

McArthur, Corneille & Co.

MONTREAL

Manufacturers and Importers of . . .

White Lead,
Oils and Colors,
Prepared Paints,
Window Glass,
Varnishes, etc.

Glue and Gelatine

In extensive assortment, to suit all requirements.
WILL BE PLEASED TO SUBMIT SAMPLES AND PRICES.

SELLING AGENTS IN CANADA

For the GENUINE
Imperial French Green
of JOHN LUCAS & CO., PHILADELPHIA.

And CELEBRATED
ENGLISH VARNISHES
of CHAS. TURNER & SON, LONDON.

Please mention HARDWARE AND METAL when writing.



Star Safety Razor.

The original and best Safety.

Shaves Clean Saves Time Never Pulls



A Marvel of Simplicity and Durability

BEWARE OF IMITATIONS.

The Three Star Safety is the only Safety Razor that can be adjusted to a hair's width by anybody to suit any face or beard by means of adjusting screws, fully protected from infringers by the U.S. Circuit Court.

Over 5,000,000 daily users are our best advertisers.

A Razor of merit.

Established 1875.

For sale by all leading dealers throughout Canada.
Rock bottom prices upon application to

KAMPFE BROS.,

INVENTORS AND MANUFACTURERS,

8 Reade Street - NEW YORK CITY

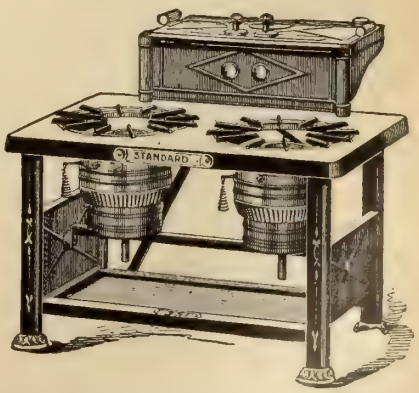
ESTABLISHED 1860. INCORPORATED 1895.

Here's Something New FOR . . . SUMMER COOKING

THE HANDIEST, CLEANEST, SAFEST, COOLEST AND MOST ECONOMICAL SUMMER COOK STOVE EVER SOLD.

The "STANDARD" Wickless Blue Flame Oil Stove

(Burns Ordinary Kerosene)



combines the efficiency of the coal range and the convenience and comfort of the gas range at a fraction of the expense of either. An absolutely safe and clean stove ; will not smoke or get greasy ; can't explode. Can be moved anywhere.

Made in large and small sizes. Write for catalogue.

THE THOS. DAVIDSON MFG. CO., Limited

General Agents, MONTREAL, CANADA.

MANITOBA MARKETS.

WINNIPEG, May 19, 1902.

BUSINESS continues very fair, and there is a noticeable demand for such specially seasonable articles as poultry netting, wire screening, freezers, churns, butter workers and dairy appliances generally. Building hardware continues to show a steady demand, as do also paints and oils. Turpentine has not advanced in sympathy with the Southern advance, but the market is very firm with an upward tendency.

Poultry netting has advanced in price, and is now quoted at $1.35 for the 24-inch width. An advance of ½c. per lb. is quoted on malleable clevises, making the price here 7c. per lb. Other prices are without change for the week.

The price list for the week is as follows :

Barbed wire, 100 lb	$3 30
Plain twist	3 40
Staples	3 95
Oiled annealed wire 10	3 85
" 11	3 90
" 12	3 95
" 13	4 10
" 14	4 25
" 15	4 35
Galvanized wire, 6 to 8 gauge	4 00
" 9 "	3 50
" 10 "	4 05
" 11 "	4 20
" 12 "	3 65
" 13 "	3 75
" 14 "	4 45
" 15 "	4 60
" 16 "	4 75
Wire nails, 30 to 60 dy, keg	3 25
" 16 and 20	3 35
" 10	3 35
" 8	3 45
" 6	3 50
" 4	3 65
" 3	3 90
Coil chain, 3-16 inch	10½
" ¼ inch	8¾
" 5-16 inch	5½
" ⅜ inch	5¼
" 7-16 inch	5
" ½ to ¾ inch	4¾
Cut nails, 30 to 60 dy.	3 10
" 20 to 40	3 15
" 10 to 16	3 20
" 8	3 25
" 6	3 30
" 4	3 60
" 3	3 75
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to No 1	4 65
No. 2 and larger	4 40
Snow shoes, No. 0 to No. 1	4 90
No. 2 and larger	4 40
Steel, No. 0 to No. 1	4 95
No. 2 and larger	4 70
Bar iron, $2.70 basis.	
Swedish iron, $5.00 basis.	
Sleigh shoe steel	3 25
Spring steel	3 25
Machinery steel	3 75
Tool steel, Black Diamond, 100 lb	8 50
Jessop	13 00
Sheet iron, black, 10 to 20 gauge, 100 lb.	3 50
20 to 26 gauge	3 75
28 gauge	4 00
Galvanized American, 16 gauge	2 79
18 to 22 gauge	4 75
24 gauge	5 00
26 gauge	5 25
28 gauge	5 50
Genuine Russian, lb	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 75
26 gauge	8 00
28 gauge	8 50
Tinplate, IC charcoal, 20 x 28, box	11 00
" IX "	13 00
" IXX "	15 00
Ingot tin	33
Canada plate, 18 x 21 and 18 x 24	3 25
Sheet zinc, cask lots, 100 lb	7 00
Broken lots	7 50
Pig lead, 100 lb	6 00
Wrought pipe, black up to 2 inch 50 an	10 p.c.
" Over 2 inch	50 p.c.
Rope, sisal, 7-16 and larger	$13 50
" ⅜	14 00
" ¼ and 5-16	14 20
Manila, 7-16 and larger	17 00
" ⅜	17 55
" ¼ and 5-16	18 00
Solder	18
Cotton Rope, all sizes, lb	17
Axes, chopping	$ 7 50 to 12 00
" double bitts	12 00 to 18 00
Poultry netting, 24 in	1 35
Screws, flat head, iron, bright	87½
Round " "	82½
Flat " brass	80
Round " "	75
Coach	57½ p.c.
Bolts, carriage	50 p.c.
Machine	50 p.c.
Tire	60 p.c.
Sleigh shoe	65 p.c.
Plough	40 p.c.
Rivets, iron	50 p.c.
Copper, No. 8	26
" No. 12	30
Bluestone, cask lots	$5 50
Spades and shovels	40 p.c.
Harvest tools	60 p.c.
Axe handles, turned, s. g. hickory, doz.	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 75
No. 1	1 25
Files common	70, and 10 p.c.
Diamond	60
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	30 p.c.
" military	15 p.c.
American R.F.	30 p.c.
C.F. pistol	5 p.c.
C.F. military	10 p.c. advance.
Loaded shells :	
Eley's soft, 12 gauge black	16 50
chilled, 12 gauge	18 00
soft, 10 gauge	21 00
chilled, 10 gauge	23 00
Shot, Ordinary, per 100 lb	6 25
Chilled	6 75
Powder, F.F., keg	4 75
F.F.G.	5 00
Tinware, pressed, retinned	75 and 2½ p.c.
" " plain	70 and 15 p.c.
Graniteware, according to quality	50 p.c.

PETROLEUM.

Water white American	25½c.
Prime white American	24c.
Water white Canadian	22c.
Prime white Canadian	21c.

BINDER TWINE.

Sisal and Standard f.o.b. Winnipeg	$ 11⅝
Manila, 550 feet	12⅞
Manila, 600 feet	14⅞
Pure Manila	15⅝
Five-ton lots ½c. less per lb., and car-lots ¼c. less.	

SCRAP.

No. 1 cast iron	$13 to $14 per ton
No. 2 "	5 to 6 "
Wrought iron scrap	5 "
Copper (heavy)	7c. per lb.
Yellow brass (heavy)	8c. "
Light brass	5c. to 6c. "
Lead pipe, or tea lead	2c. to 2½c. "
Zinc scrap	1c. "

PAINTS, OILS AND GLASS.

Turpentine, pure, in barrels	$ 80
Less than barrel lots	85
Linseed oil, raw	85
Boiled	88
Lubricating oils, Eldorado castor	29
Eldorado engine	28½
Atlantic red	29½
Renown engine	41½
Black oil	20
Cylinder oil (according to grade)	55 to 74
Harness oil	65
Neatsfoot oil	90
Steam refined oil	85
Sperm oil	2 00
Pure castor oil, East India	11
Lubricating	10



THE HABIT, ONCE CONTRACTED, OF BUYING **THE CANADA PAINT COMPANY'S** PAINTS AND VARNISHES IS HARD TO BREAK OFF. THE REASON IS SIMPLE, THEY UNQUESTIONABLY GIVE THE BEST VALUE.



Persons addressing advertisers will kindly mention having seen their advertisement in The Canadian Hardware and Metal Merchant.

Canadian Wringer Co.

Manufacturers of the following

CLOTHES WRINGERS

Queen, Eureka,
Royal Canadian, New Eureka,
New Metropolitan, Stone,
New Lightning, Jubilee Ball Bearing
Etc., Etc.

All our Rolls are of Solid White Rubber and Vulcanized to Shaft. . . . Send for Catalogue and Discounts.

16 SHEPPARD STREET, TORONTO.

1,000 PRINTED ENVELOPES

For $1.00.



We do good printing cheap—500 Noteheads, 500 Envelopes and 500 Statements for $2.50.

Snaps in Stationery of all kinds.

WEESE & CO., Jobbers,
54 Yonge Street, - Toronto.

PAINTS



We manufacture these brands:—"LION," "PEERLESS," "OWL," "RAVEN," also Ready-mixed House and Floor Paints, Roof, Barn, Bridge and Brick Paints, Coach Colors, Varnishes, Japans, etc. Our prices will interest you. Write us.

The Ottawa Paint Works, Ottawa, Ont.

FRANK MILLER'S

HARNESS PREPARATIONS.

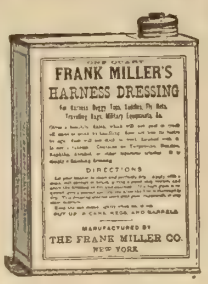
FRANK MILLER'S

HARNESS DRESSING

Recognized as

"THE STANDARD."

Produces a brilliant jet-black gloss which will not peel or smut and to which dirt will not stick.





Frank Miller's

Harness Soap

Unrivaled for cleaning and softening Harness.

Put up in cakes, pans, boxes and tubs.

FRANK MILLER'S

Harness Oil.

Preserves and softens the leather, thus adding life.

The highest quality of oil on the market.



When having booklet or catalogue printed, ask the printer to use

Coronation Cover

paper. Nothing is newer—and nothing more popular in this coronation year. It makes up handsomely in booklet or catalogue. In two shades, Cloud and Thunder Gray.

CANADA PAPER CO., Limited

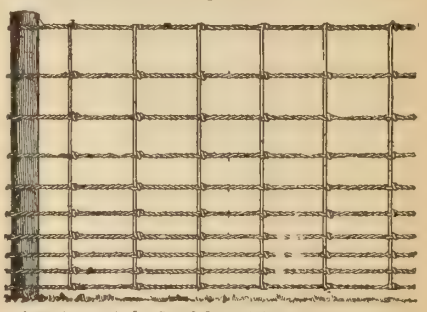
TORONTO and MONTREAL.

The Oshawa Wire Fence Co.

OSHAWA, ONT. Limited

Manufacturers of...

Woven Wire Fencing, Gates, Etc.
Also Dealers in Galvanized Fence Wire.

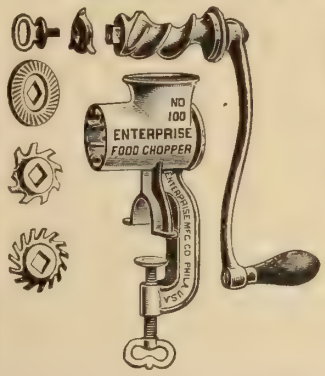


Agents wanted Send for catalogue and prices.

ENTERPRISE on an article is a Guarantee of QUALITY

ENTERPRISE

FOOD CHOPPERS



Four Knives with each Machine

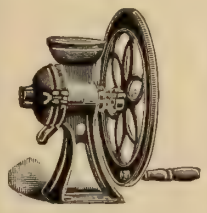
No. 100, *chops 2 lbs. per minute,* **$1.50**
No. 300, *chops 3 lbs. per minute,* **$2.25**

Sell every Day in Year

GUARANTEED TO CHOP RAW MEAT

Illustrated Catalogue FREE *Order through your Jobber*

Bone, Shell & Corn Mill



No. 750, $7.50

Meat Juice Extractor



No. 21, $2.50

Cherry Stoners

5 Sizes & Styles



No. 1, $7.50 doz.

Rapid Grinding & Pulverizing Mills

45 Sizes & Styles for Hand & Power, $1.25 to $300.00



No. 2½, $4.75

New York Branch, 10 Warren Street

The Enterprise Mfg. Co. of Pa., Philadelphia, Pa.

San Francisco Branch, 105 Front Street

CANADIAN MANUFACTURERS DISCUSS THE WEST INDIES.

THE banquet of the Canadian Manufacturers' Association, held at McConkey's, Toronto, on Thursday evening, May 15, was attended by over 100 members, representing the different branches of industry. The vice-president of the Association, Mr. Birge, of Hamilton, presided. After the banquet was over a number of patriotic toasts were given and responded to, and the chairman, in a brief address, referred to the growth of the Association, and referred to Mr. Munro and Mr. Stewart in terms of praise concerning their recent visit to the West Indies on behalf of the Association.

Mr. Munro mentioned the importance of the Canadian Manufacturers' Association to the business world and said its membership had increased from 130 to 900 during Mr. Russell's term of office.

At this stage of the proceedings Mr. T. A. Russell, former secretary of the Association, was presented with a gold watch, chain and locket as a mark of appreciation for his services.

Mr. Russell pleasantly replied to this presentation and told some stories as to his career since his graduating from the university.

J. M. F. Stewart, assistant secretary of the Association, told of his trip to the West Indies. They had visited ten places: Bermuda, St. Lucia, Antigua, St. Kitts, Dominica, Montserrat, St. Vincent, Barbados, Trinidad, British Guiana, Turk's Island and Jamaica. These colonies have areas varying from 20 square miles in Bermuda to 109,000 in British Guiana, and populations varying from 2,400 in Turk's Island to 750,000 in Jamaica. Their total area is 116,000 square miles and they have a population of 1,600,000. Their total importations amount to £9,000,000, of which Trinidad, the most important business centre, imports to the value of £2,500,000, or £45 per capita.

The merchants of Trinidad are prosperous, although the imports exceed by three or four times the value of the exports, which consist principally of lilies, onions, and potatoes. The United States takes nearly all these exports and supplies five-eights of the imports, leaving one-quarter to be supplied by the United Kingdom and one-twelfth by Canada. The principal items supplied by Canada in 1901 were 38 tons of butter, as against 124 tons from the United States, 30 tons of cheese, as against 51 from the Republic, and the balance including box material, oats, fish and potatoes.

The objects of the Association were strongly favored by the importers in Bermuda, and the greater part of the business done outside of Great Britain can on even terms be obtained by the Canadian manufacturers if they are in earnest about it.

The Canadian preferential tariff of 33⅓ per cent. applied to West-Indian sugars comes short of the countervailing duty of the United States by a few cents. This enables the West-Indian sugar to find a better market in the United States than in Canada, but the market of the Republic cannot be depended upon as permanent.

Last year the sugar consumption of the United States was 2,372,000 tons. The home production was 493,000 tons, the Cuban production 656,000 tons, and that of their insular possessions 476,000 tons. The production of Cuba and the insular possessions can be increased by two-thirds or perhaps doubled. In a few years the United States will be able to produce at home all the sugar she can use. Canada is, therefore, looked upon as the future market for West-Indian sugars.

Better transportation between Canada and the West Indies must be provided to facilitate trade, and opportunity should be given to let their merchants know what our manufacturers turn out in textiles, leather goods, boots and shoes.

Canadian cheese is liked better than the Dutch cheese that at present supplies their market, but ours is too large. They want a cheese weighing from 9 to 12 lb.

A committee in Kingston, Jamaica, met himself and Mr. Munro, and submitted these recommendations:

That the Canadian Manufacturers' Association should investigate the freight, primage and wharfage rates on steamers from Canadian ports, compared with those from United States ports, and if found that Canada is in any measure handicapped the Association should at once take steps to have the matter adjusted.

That the Canadian Manufacturers' Association shall also take steps to procure through freight rates to and from Canadian principal centres via Canadian ports, comparing these with rates through the United States.

That the Canadian Manufacturers' Association shall also be requested to recommend all their members to name quotations for their goods f.o.b. at port of shipment. The want of this hitherto has been found to militate against business.

This committee would add that the natural conditions of the respective colonies are all in favor of mutual trade; each country is the complement of the other in natural products, and it is high time that the feeling which has so long existed in favor of improved trade relations should bear good results.

Speeches were made by several others before the meeting dispersed with singing "God Save The King."

A NEW BOARD OF TRADE.

A board of trade has been organized at Deseronto, Ont., and an application has been made for a charter. The officers are as follows:

President—P. Slavin.
Vice-President—Geo. E. Snider.
Secretary—W. J. Malley.
Treasurer—A. G. Bogart.
Executive Committee—E. W. Rathbun, F. B. Gaylord, John Dalton, W. Woodcock, W. H. Stafford, Robt Lawson, C. J. Adams, James Fairbairn, John Harvey, W. J. McMicking, W. G. Egar, Robert Miller and J. Marshall Oliver.

The drawing up of a set of rules and by-laws was left to a committee of three, and it was decided not to take up any new business until these were adopted.

To good management men and tools, add Apollo galvanized iron.

There is no way to do so good work or to make so much profit on it.

American Sheet Steel Company, New York

Representatives for Canada
B. & S. H. Thompson & Company
53 St. Sulpice Street
Montreal

SOMETHING NEW

Caldwell Lightning Auger Bits.



Patented May 21, 1901.

This bit will bore two holes in less time than it takes to bore one with any other bit.

AGENTS:

Caverhill, Learmont & Co., - - - Montreal.
Wood, Vallance & Co., - - - - Hamilton.
Geo. D. Wood & Co., - - - - Winnipeg.

CURRENT MARKET QUOTATIONS

May 23, 1902.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag and Straits—		
56 and 28 lb. ingots, 100 lb.	33 00	34 00

Tinplates.

Charcoal Plates—Bright

		Per box
M.L.S. equal to Bradley		
I.C., usual sizes	....	$6 75
I.X., "	....	8 25
I.X.X., "	....	9 75
Famous, equal to Bradley—		
I.C.	....	6 75
I.X	....	8 25
I.X.X	....	9 75
Raven & Vulture Grades—		
I.C., usual sizes	....	5 00
I.X., "	....	6 00
I.X.X "	....	7 00
I.XXX., "	....	8 00
D.C., 12½x17	....	4 50
D.X	....	5 25
D.X.X	....	6 00

Coke Plates—Bright

Bessemer Steel—		
I.C., usual sizes	....	4 25
I.C., special sizes, base	....	4 75
20 x 28	....	9 00

Charcoal Plates—Terne

Dean or J. G. Grade—		
I.C., 20x28, 112 sheets	....	8 50
I.X., Terne Tin	....	10 50

Charcoal Tin Boiler Plates

Cookley Grade—		Per lb.
X X., 14x56, 5 shee bxs	....	0 06½
" 14x60, "		
" 14x65, "		

Tinned Sheets

72x30 up to 24 gauge	....	8 00
" 26 "	....	8 50

Iron and Steel.

Common Bar, per 100 lbs	1 95	2 05
Refined "	....	2 45
Horse Shoe Iron "	....	2 40
Hoop steel, 1½ to 3 in. base,		2 90
Sleigh Shoe Steel " base	....	2 10
Tire Steel	2 30	2 50
Reeled Machinery	....	3 00
Toe Calk Steel	2 85	3 00
T. Firth & Co's tool steel, per lb	0 12½	0 13
Jessop's tool Steel	....	0 14
Morton's tool steel	0 12½	0 13
Black Diamond and "B.C." tool steel	0 10	0 11
Chas. Leonard's tool steel	0 08	0 09
Park's "silver" tool steel	0 12	0 14
" "special"	0 15	0 20
Drill Steel, per lb	0 08	0 10

Boiler Tubes.

		Per foot.
1½, 1¾, and 4 inch	....	0 14
2½ in.	....	0 17½
3 "	....	0 14

Steel Boiler Plate.

¼ inch	2 50	2 60
3-16 inch	2 60	2 70
⅜ inch and thicker	2 50	2 60

Black Sheets.

	Com.	D.Fl.
18 gauge	2 85	3 00
20 gauge	2 85	3 00
22 to 24 "	2 95	3 25
26 "	3 05	3 50
28 "	3 15	....

Copper Ware.

Discount, 50 per cent.

Canada Plates.

All dull, 52 sheets	....	3 00
Half polished	....	3 10
All bright	....	3 75

Black pipe— **Iron Pipe.**

	Per 100 Feet.
⅛ inch	2 90
¼ "	2 40
⅜ "	2 65
½ "	2 85
¾ "	3 65
1 "	5 20
1¼ "	7 35
1½ "	8 95
2 "	12 55
2½ "	24 00
3 "	28 00
3½ "	36 00
4 "	43 00
4½ "	50 00
5 "	57 00
6 "	73 00

Galvanized pipe—

¼ inch	3 20
⅜ "	3 45
½ "	3 85
¾ "	5 00
1 "	7 20
1¼ "	10 05
1½ "	12 00
2 "	16 85

Discount 4 per cent.

Malleable Fittings—Discount 40 p.c.
Cast Iron Fittings—
On all Cast Iron Fittings, including plugs, bushings, unions and nipples, 60 p.c. dis.
All others—discount 60 p.c.

Galvanized Sheets.

	G C. Comet.	Amer.	Queen's Head.
16 gauge	....	....	....
18 to 24 gauge	4 05	3 75	4 05
26 "	4 25	4 00	4 25
28 "	4 50	4 25 *4 40	4 50

Less than case lots 10 to 15c. extra.
*29 gauge.

Chain.

Proof Coil, 3-16 in., per 100 lb	....	....	....
" ¼ " "	7 85	8 10	
" 5-16 " "	5 25	5 50	
" ⅜ " "	4 50	4 75	
" 7-16 " "	4 25	4 50	
" ½ " "	4 20	4 50	
" 9-16 " "	4 05	4 50	
" ⅝ " "	4 00	4 50	
" ¾ " "	4 00	4 50	

Halter kennel and post chains, 40 to 40 and 5 p.c.
Cow ties.....40 p.c.
Tie-out chains.....65 p.c.
Stall fixtures.....35 p.c.
Trace chain.....45 p.c.
Jack chain, iron, single and double discount 35 p.c.
Jack chain, brass single and double, discount 40 p.c.

Copper.

	Ingot	Per 100 lb.
English B S., ton lots	....	14 00
Lake Superior	....	....

Bars.

Cut lengths round, ½ to ⅞ in.	23 00	25 00
" round and square 1 to 2 inches	23 00	25 00

Sheet.

Plain, 14 oz., and light, 16 oz., 14x48 and 14x60	22 00	22 50
Plain, 14 oz., and light, 16 oz., irregular sizes	22 50	23 00
Tinned copper sheets	....	24 00
Planished	....	32 00

Braziers (In sheets.)

4x6ft. 25 to 30 lbs. ea., per lb.	0 23
" 35 to 45 "	0 22
" 50-lb. and above, "	0 21

Boiler and T. K. Pitts

Plain Tinned, per lb	0 28
Spun, per lb	0 32

Brass.

Rod and Sheet, 14 to 30 gauge, 15 per cent.	
Sheets, hard-rolled, 2x4	0 23
Tubing, base, per lb	0 23½

Zinc Spelter

Foreign, per lb	5 50	6 00
Domestic "	....	..

Zinc Sheet.

5-cwt casks	6 00	6 25
Part casks	6 25	6 50

Lead.

Imported Pig, per 100 lb	3 50	3 75
Bar, b	....	0 05
Sheets, 2½ lbs. sq. ft., by	....	0 06¼
Sheets, 3 to 6 lbs., "	....	0 06

NOTE.—Cut sheets ½ cent per lb. extra.
Pipe, by the roll, usual weights per yard, lists at 7c. per lb. and 37½ p.c. dis. f.o.b. Toronto.
NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths lists at 7½ cents.

Shot.

Common, $6.50 per 100 lb.; chilled, $7.00 per 100 lb.; buck, seal and ball, $7.50. Discount, 22½ p.c. Prices are f.o.b. Toronto, Hamilton, Montreal, St. John and Halifax. Terms 3 per cent. cash, freights equalized.

Soil Pipe and Fittings.

Discount, 60 p.c. on medium and extra heavy, and 55 p.c. on light soil pipe; 60 p.c. discount on light soil pipe fittings, and 60 and 10 p.c. on medium and extra heavy.

Solder.

	Per lb.	Per lb.
Bar half-and-half, guarant'd	....	0 21
Bar half-and-half, commer'l	....	0 19½
Refined	....	0 19
Wiping	....	0 18½

Antimony.

Cookson's, per lb	....	9 50

White Lead.

	Per 100 lb.
Pure	5 87½
No. 1	5 50
No. 2	5 12½
No. 3	4 75
No. 4	4 37½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B B. Genuine	7 00
" " No. 1	6 00

Red Lead.

Genuine, 560 lb. casks, per cwt.	$4 75
Genuine, 100 lb. kegs, per cwt.	5 00
No. 1 560 lb. casks, per cwt.	4 25
No 1, lb kegs, per cwt.	4 50

White Zinc.

Extra Red Seal	0 06	0 08
No. 1	0 05½	0 07
No. 2	0 05	0 06

Dry White Lead.

Pure, casks	5 25
Pure, kegs	5 50
No. 1, casks	5 00
No. 1, kegs	5 25

Prepared Paints

In ¼, ½ and 1 gallon tins.

Pure, per gallon	....	1 25
Second qualities, per gallon	....	1 10
Barn (in bbls.)	0 60	0 90
The Sherwin-William Paints	....	1 40
Canada Paint Co's Pure	....	1 25
Toronto Lead & Color Co's Pure	....	1 25
Sanderson Pearcy's Pure	....	1 20
Stewart & Wood's Champion Pure		1 20

Colors in Oil.

25 lb. tins, Standard Quality.

Venetian Red, per lb	0 04½	0 06
Chrome Yellow	0 12	0 14
Golden Ochre	0 08	0 10
French "	....	0 06
Marine Black	....	0 09
Chrome Green	....	0 10
French Imperial Green	....	0 12
Sign Writers' Black	....	0 16
Burnt Umber	....	0 11
" Sienna	....	0 11
Raw Umber	....	0 11
" Sienna	....	0 11

Colors, Dry.

Common Ochre bbls	1 20	1 30
Yellow Ochre J.F.L.S.), bbls	....	2 00
Yellow Ochre (La Belle)	1 15	1 25
Brussels Ochre	....	2 00
Venetian Red (best), bbl	1 75	2 00
English Oxides, per cwt	3 00	3 25
American Oxides, bbls	1 25	2 00
Canadian Oxides, bbls	1 25	1 75
Super Magnetic Oxides, 93p.c.	2 00	2 25
Burnt Sienna, pure, per lb	....	0 10
" Umber, " "	....	0 10
Raw do	....	0 09
Drop Black, pure	....	0 09
Chrome Yellows, pure	....	0 18
Chrome Greens, pure, per lb	0 09	0 10
Golden Ochre	0 04	0 05
Ultramarine Blue in 28-lb. boxes, per lb	0 06	0 18
Fire Proof Mineral, per 100 lb	....	1 00
Genuine Eng. Litharge, per lb	....	0 07
Mortar Color, per 100 lb	1 25	1 50
Pure Indian Red, No. 45 lb.	0 08	0 10
Whiting, bbl	0 55	0 60
English Vermillion in 20-lb. bags		0 95

Paris Green.

	per lb.
Petroleum Casks	.....
Arsenic Kegs	....
50-lb. and 100-lb. drums	....
25-lb. drums	....
1-lb packages	.....
½-lb. do	.....
1-lb. tins	.....
½-lb do	....

F O. B. Toronto. Terms—3 p. c. off 30 days, or 4 mos. from date of delivery.

Blue Stone.

Casks, for spraying, per lb	0 07
100-lb. lots, do. per lb	0 08

Putty.

Bulk in bbls.	1 90
Bulk in less quantity	2 05
Bladders in bbls	2 25
Bladders in kegs, boxes or loose	2 40
Bladders in 25-lb. tins	2 35
Bladders in 12½-lb. tins	2 65
Bladders in bulk or tins less than 100 lb	2 90

Varnishes.

	In 5-gal. lots. Per Gal.	net.
Carriage, No. 1	1 50	1 60
Pale Durable body	4 10	4 25
" rubbing	2 85	3 20
Gold Size, Japan	2 85	3 00
No. 1 Brown Japan	0 85	0 90
Elastic Oak	....	1 50
Furniture, extra	....	1 25
" No. 1	....	1 10
Hard Oil Finish	1 65	1 75
Light Oil Finish	1 40	1 60
Demar	1 70	1 85
Shellac, white	2 3	2 45
" orange	2 25	2 35
Turpentine Brown Japan	1 25	1 0
" Black Japan	0 85	1 20
" " No. 1.	0 50	0 75

Elastilite Varnish 1 gal. can, each, $2.00.
Granitine Floor Finish per gal., $2.75.
Maple Leaf Coach Enamels; Size 1, $1 20 Size 2, 70c. Size 3, 40c. each
Sherwin-Williams' Copal Varnish, assorted case, from ½ pts. to 1 gal., $2.50.

Castor Oil.

East India, in cases, per lb	0 09½	0 10
" " small lots	0 10	0 10½

Cod Oil, Etc.

Cod Oil per gal	0 50	0 55
Pure Olive	....	1 20
" Neatsfoot	....	90

Glue.

Common	0 08½	0 09
French Medal	0 14	0 14½
Cabinet sheet	0 12	0 13
White, extra	0 18	0 20
Gelatine	0 22	0 30
Strip	0 18	0 20
Coopers	0 19	0 20
Huttner	....	0 18

JAMES HUTTON & CO.

Sole Agents in Canada for

Joseph Rodgers & Sons, Limited,
Steel, Peech & Tozer, Limited,
W. & S. Butcher,

Thomas Goldsworthy & Sons,
Burroughes & Watts, Limited,
Etc., Etc.,

Have reopened their offices in Victoria Chambers,

232 McGill Street, MONTREAL.

HARDWARE.

Ammunition.

Cartridges.

B B Caps Dom. 50 and 5 per cent.
Rim Fire Pistol, dis 40 p. c., Amer
Rim Fire Cartridges, Dom., 5 and 5 p. c
Central Fire Pistol and Rifle 10 p.c. Amer.
Central Fire Cartridges, pistol sizes Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 per cent.
Central Fire, Military and Sporting, Amer. add 5 p.c. to list. B.B. Caps, discount 40 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 10 p.c. advance on list.
Brass Shot Shells, 55 per cent.
Primers, Dom., 30 per cent.; American, $1.60.

Wads	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown orgrey felt wads, in ½-lb. bags	70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	
Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 20 per cent.

Anvils.

Wright's, 80-lb. and over	0 10¾
Hay Budden, 80-lb. and over	0 09¼
Brook's, " " "	0 11¼

Augers.

Gilmour's discount 65 and 5 p.c. off list.

Axes.

Chopping Axes

Single bit, per doz	5 50	10 00
Double bit, "	11 00	18 00

Bench Axes, 40 p.c.
Broad Axes, 25 per cent.

Hunters' Axes	5 50	6 00
Boys' Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Axle Grease.

Ordinary, per gross	5 75	6 00
Best quality	13 00	15 00

Bath Tubs.

Zinc	6 00
Copper, discount 15 p.c. off revised list	

Baths.

Standard Enameled.

5½-inch rolled rim, 1st quality	24 00
" " " 2nd "	20 00

Anti-Friction Metal.

"Tandem" A. per lb.	0 27
" B. "	0 21
" C. "	0 11½
Magnolia Anti-Friction Metal, per lb	0 25
Frictionless metal, per lb	0 23

SYRACUSE SMELTING WORKES.

Aluminum, genuine	0 41
Dynamo	0 27
Special	0 22
Aluminum, 99 p.c. pure "Syracuse"	0 45

Bells.

Hand

Brass, 60 per cent.
Nickel, 55 per cent.

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Door.

Gongs, Sargant's	5 50	8 00
" Peterboro', discount 45 per cent		

Farm.

American, each	1 25	3 00

House.

American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00
Blacksmiths', discount 40 per cent.		

Belting.

Extra, 60 per cent.
Standard, 60 and 10 per cent.
No. 1, not wider than 6 in., 50 10 and 10 p.c.
Agricultural, not wider than 4 in., 75 p.c.

Bits.

Auger.

Gilmour's, discount 60 and 5 per cent.
Rockford, 50 and 10 per cent.
Jennings' Gen. net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent		

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind and Bed Staples.

All sizes, per lb	0 07¾	0 12

Bolts and Nuts.

	Per cent.
Carriage Bolts, common ($1 list)	55
" " full square ($2.40 list)	55
" " Norway iron ($3 list)	50
Machine Bolts, all sizes	50 and 5
Plough Bolts	50 and 5
Blank Bolts	50 and 5
Bolt Ends	50 and 5
Sleigh Shoe Bolts	65 and 5
Coach Screws, cone point	66⅔

Nuts, square, all sizes, 3½c per lb off.
Nuts, hexagon, all sizes, 3¾c. per lb. off.
Stove rods, per lb. 5½ to 6c.
Nuts, in 50 lb. lots ¼c. per lb extra, in less than 50 lb. lots, ½c. extra.

Boot Calks.

Small and medium, ball, per M	4 25
Small heel, per M	4 50

Bright Wire Goods.

Discount 62½ per cent

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent

Henis, No. 8		6 00
Henis, No. 9, "		7 00
Queen City "	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Butcher Knives.

Bailey's, per doz	0 60	6 30

Building Paper, Etc.

Tarred felt, per 100 lb	1 70
Ready roofing, 2-ply, not under 45 lb. per rol	85
Ready roofing, 3-ply, not under 65 lb. per roll	1 10
Carpet felt, per ton	45 00
Dry sheathing, per roll, 400 sq. ft	30
Tar sheathing, " " "	40
Dry fibre " " "	50
Tarred fibre, " " "	60
O.K. & I.X.L., " " "	65
Resin-sized, " " "	40
Oiled sheathing, " 600 "	1 10
" " " 400 "	70
Roof coating, in barrels, per gal	17
" " small packages	25
Refined tar, per barrel	4 50
Coal tar, "	4 00
Coal tar, less than barrels, per gal	15
Roofing pitch, per 100 lb	85

Bull Rings.

Copper, $2.00 for 2½ in. and $1.90 for 2 in.

Butts.

Wrought Brass net revised list.

Cast Iron.

Loose Pin, dis., 60 per cent.

Wrought Steel

Fast Joint, dis. 65, 10 and 2½ per cent.
Loose Pin, dis. 65, 10 and 2½ per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.

Gen. Bronzed, per pair	0 40	0 65

Carpet Stretchers.

American, per doz	1 00	1 50
ullard's, per doz	6 50	....

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	8 50	9 50

Cement.

Canadian Portland	1 90	2 75
English "	3 00	3 15
Belgian "	2 50	2 75
Canadian hydraulic	1 25	1 50

Chalk.

Carpenters Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 70 per cent.
Warnock's, dis. 70 per cent.
P. S. & W. Extra 60, 10 and 5 p.c.

Churns.

Revolving Churns, metal frames—No. 0, $8—No. 1, $8.50—No. 2, $9.00—No. 3, $10.00—No. 4, $12.00—No. 5, $16.00 each. Ditto, wood frames—20c. each less than above. Discounts: Delivered from factories, 56 p.c.; from stock in Montreal, 54 p.c. Terms, 4 months or 3 p.c. cash in 30 days

Clips.

Axle dis. 65 per cent.

Closets.

	Net.
Plain York or Ontario Syphon Jet.	$9 60
Emb. York or Ontario Syphon Jet.	10 20
Fittings	1 00
Plain Elgin or Teu. Syphon Washout	6 00
Emb. Elgin or Teu. Syphon Washout	6 60
Fittings	1 25
Low Down Elgin or Teutonic, plain	9 60
" " " " emb.	10 20
Plain Richelieu	4 00
Emb. Richelieu	4 25
Connections	1 25
Low Down Ont. Sy. Jet, plain	11 70
" " " " emb'd.	12 30
Closet connection	1 25
Basins P.O., 14 in	0 70
" oval 17 x 14 in	1 50
" " 19 x 15 in	2 25

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Conductor Pipe.

Plain or Corrugated.

2-inch, per 100 feet	3 00
3 " " "	4 00
4 " " "	5 25
5 " " "	6 75
6 " " "	9 00

Cradles, Grain.

Canadian, dis., 25 to 33⅓ per cent.

Crosscut Saw Handles.

S. & D., No. 3, per pair	17½
" " 5, "	22½
" 6, "	15
Boynto pattern "	20

Door Springs.

Torrey's Rod, per doz	(15 p.c.	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Coach and Wagon, dis. 50 and 10 per cent.
Carpenters, dis. 70 per cent.

Drills.

Hand and Breast

Milfar's Falls, per doz. net list.

DRILL BITS.

Morse, dis., 37½ to 40 per cent.
Standard dis. 50 and 5 to 55 per cent.

Faucets.

Common, cork-lined, dis. 35 per cent.

EAVE TROUGH.

10-inch, per 100 ft	$3 10

ELBOWS. (Stovepipe.)

	per doz.
5 and 6-inch, common	1 20
7-inch	1 35

Polished, 15c. per doz. extra.

ESCUTCHEONS.

Discount, 40 per cent.

ESCUTCHEON PINS.

Iron, discount 40 per cent.

FACTORY MILK CANS.

Discount off revised list, 40 per cent.

FILES AND RASPS.

Great Western 70 and 10 per cent.
Arcade 70 " 10 "
Kearney & Foot 70 " 10 "
Disston's 70 " 10 "
American 70 " 10 "
J. Barton Smith 70 " 10 "
McClellan 70 " 10 "
Eagle 70 " 10 "
Nicholson, 60 and 10 to 60, 10 and 5 "
Royal 80 "
Globe 70 to 75 "
Black Diamond, 60 and 10 to 60, 10 and 5 p.c.
Jowitt's, English list, 25 to 27½ per cent.
Nicholson File Co.'s "Simplicity" file handle per gross, 85c. to $1.50.

GLASS—Window—Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	D. Diamond Per 50 ft.	D. Diamond Per 100 ft.
Under 26	2 20	4 25	....	6 25
26 to 40	2 40	4 65	....	5 75
41 to 50	....	5 10	....	7 50
51 to 60	....	5 35	....	8 50
61 to 70	....	5 75	....	9 75
71 to 80	....	6 25	....	11 00
81 to 85	....	7 00	....	12 55
86 to 90	....	7 75	..	15 00
91 to 95	..	....	...	17 50
96 to 100	.. ..	....	.. ..	20 50

GAUGES

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's Nos. 26 to 33, each	1 65	2 40

HALTERS.

Rope, ⅜ per gross	....	....
" ½ "	....	9 00
" ⅝ to ¾	....	14 00
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

	Can. dis.
Maydole's, dis. 5 to 10 per cent 25 to 27½ per cent.	

Tack.

Magnetic per doz	1 10	1 20

Sledge.

Canadian per lb	0 07½	0 08½

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz. net	1 50	2 00
Store door, per doz	1 00	1 50

Fork.

C. & B., dis. 40 per cent. rev. list.

Hoe.

C. & B., dis. 40 per cent. rev. ist.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 75

Hammer and Hatchet.

Canadian, 40 per cent.

Cross-Cut Saws.

Canadian, per pair	0 13¾

HANGERS.

	doz. pairs.	
Steel barn door	5 85	6 00
Stearns, 4 inch	....	5 00
" 5 inch	....	6 50
Lane's covered—		
No. 11, 5-ft. run	....	8 40
No. 11½, 10-ft. run	....	10 80
No. 12, 10-ft. run	....	12 60
No. 14, 15-ft. run	....	21 00
Lane's O.N.T. track, per foot	....	4½

HARVEST TOOLS

Discount, 60 per cent.

HATCHETS

Canadian, dis 40 to 42½ per cent.

Progress

Twenty-five years ago we commenced making Tarred Paper in Montreal, using a hand-power machine, with a daily output of about 100 rolls. To-day we have Paper Mills at Portneuf and St. Pezile; Factories at Toronto, Montreal and Halifax in which we are running **six** Steam Power Tarring Machines, **three** Machines for making Wire Edged Ready Roofing, and **five** Stills for the manufacture of Roofing Pitch.

Our daily capacity is **fifteen** tons Dry Paper, **two thousand** rolls Tarred Paper, **eighteen hundred** rolls Wire Edged Ready Roofing and **twenty** tons Roofing Pitch.

The Paterson Mfg. Co., Limited

Toronto. Montreal. St. John. Halifax.

HINGES.

Blind, Parker's, dis. 50 and 10 to 60 per cent.
Heavy T and strap, 4-in., per lb.... 0 06½
" " " 5-in., " 0 06¼
" " " 6-in., " 0 06
" " " 8-in., " 0 05¾
" " " 10-in., " 0 05½
Light T and strap, dis. 65 and 5 per cent.
Screw hook and hinge—
6 to 10 in., per 100 lbs.... .... 4 50
12 in. up, per 100 lbs..... .... 3 25
Per gro. pairs
Spring..... .... 12 00

HOES.

Garden, Mortar, etc., dis. 60 p.c.
Planter, per doz..... 4 00 4 50

HOLLOW WARE

Discount,..... 45 and 5 per cent.

HOOKS.

Cast Iron.

Bird Cage, per doz.....	0 50	1 10
Clothes Line, per doz.....	0 27	0 63
Harness, per doz.....	0 72	0 88
Hat and Coat, per gross.....	1 00	3 00
Chandelier, per doz.....	0 50	1 00

Wrought Iron.
Wrought Hooks and Staples, Can. dis. 47½ per cent.
Wire.
Hat and Coat, discount 45 per cent.
Belt, per 1,000 ..... 0 60
Screw, bright, dis. 55 per cent.

HORSE NAILS.

"C" brand 50 and 7½ p.c. off new list } Oval-
"M" brand 50, 10 and 5 per cent. } head
Countersunk, 60 per cent.

HORSESHOES.

Iron Shoes.	F.O.B. Montreal No. 2 and larger.	No. 1. and smaller.
Light, medium and heavy...	3 50	3 75
Snow shoes.....	3 75	4 00
Steel Shoes.		
Light.....	3 60	3 85
Featherweight (all sizes).....	4 85	4 85

F.O.B. Toronto, Hamilton, London and Guelph, 10c. per keg additional.
Toe weight steel shoes..... 6 70

JAPANNED WARE.

Discount, 45 and 5 p.c. off list, June 1899.

ICE PICKS.

Star per doz..... 3 00 3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.

Copper, per lb.....	0 30	0 50

American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 45 p.c.
Cabinet, trunk, and padlock, Am. per gross 60

KNOBS.

Door, japanned and N.P., per doz.....	1 50	2 50
Bronze, Berlin, per doz.....	2 75	3 25
Bronze Genuine, per doz....	6 00	9 00
Shutter, porcelain, F. & L screw, per gross	1 30	4 00
White door knobs—per doz.	95	1 00

HAY KNIVES.

Discount, 60 per cent.

LAMP WICKS.

Discount, 60 per cent.

LANTERNS.

Cold Blast, per doz.....	7 00
No. 3 "Wright's"	8 50
Ordinary, with O burner.....	4 00
Dashboard, cold blast.....	9 00
No. 0.....	5 75

Japanning, 50c. per doz. extra

LEMON SQUEEZERS.

Porcelain lined, ...per doz.	2 20	5 60
Galvanized.....	1 87	3 85
King, wood.....	2 75	2 90
King, glass.....	4 00	4 50
All glass.....	1 20	1 30

LINES.

Fish per gross.....	1 05	2 50
Chalk "	1 90	7 40

LOCKS.

Canadian, dis 40 p.c.
Russel & Erwin, per doz.... 3 00 3 25
Cabinet.
Eagle, dis. 30 p.c.

Padlocks.

English and Am. per doz....	50	6 00
Scandinavian, "	1 00	2 40

Eagle, dis. 20 to 25 p.c.

MACHINE SCREWS. Iron and Brass.

Flat head discount 25 p.c.
Round Head discount 20 p.c.

MALLETS.

Tinsmiths' per doz.....	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz..	3 85	5 00
Caulking each.....	60	2 00

MATTOCKS.

Canadian, per doz..... 5 50 6 50

MEAT CUTTERS.

American, dis. 25 to 30 p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are:	Cut.	Wire.
2 d and 3d	$3 45	$3 55
3 d	3 10	3 22
4 and 5d.....	2 85	3 05
6 and 7d.....	2 75	2 90
8 and 9d.....	2 60	2 70
10 and 12d.....	2 55	2 65
16 and 20d.....	2 50	2 60
30, 40, 50 and 60d. (base).....	2 45	2 55

Wire nails in carlots are $2.50
Galvanizing 2c. per lb. net extra.
Steel Cut Nails 10c. extra.
Miscellaneous wire nails, dis. 75 p.c.
Coopers' nails, dis. 30 per cent.
Flour barrel nails, dis. 25 per cent

NAIL PULLERS.

German and American..... 1 85 3 50

NAIL SETS.

Square, round, and octagon per gross.....	3 38	4 00
Diamond.....	12 00	15 00

POULTRY NETTING.

2-in. Mesh, 19 w.g., dis. 50 and 5 to 50 and 10 p.c.
2-in. Mesh, 18 w.g. and heavier, 50 p.c.

OAKUM.

	Per 100 lb
Navy	6 00
U.S. Navy.....	7 25

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal. per doz.....	10 00
Zinc and tin, dis. 50, 50 and 10.	
Copper, per doz.....	1 25 3 50
Brass, "	1 50 3 50

Malleable, dis. 25 per cent.

GALVANIZED PAILS.

Dufferin pattern pails, dis. 45 p.c.
Flaring pattern, discount 45 per cent.
Galvanized washtubs discount 45 per cent.

PIECED WARE.

Discount 40 per cent. off list, June, 1899.
10-qt. flaring sap buckets, dis. 40 p.c.
6, 10 and 14-qt. flaring pails, dis. 40 p.c.
Creamer cans, dis. 40 p.c.

PICKS.

Per doz..... 6 00 9 00

PICTURE NAILS.

Porcelain head, per gross...	1 75	3 00
Brass head "	0 40	1 00

PICTURE WIRE.

Tin and gilt, discount 75 p.c.

PINE TAR.

½ pint in tins, per gross.	7 80
1 " "	9 60

PLANES.

Wood, bench, Canadian dis. 40 per cent. American dis. 50.
Wood, fancy Canadian or American 7½ to 40 per cent.

PLANE IRONS.

English per doz..... 2 00 5 00

PLIERS AND NIPPERS.

Button's Genuine per doz pairs, dis. 37½ 40 p.c.
Button's Imitation, per doz.. 5 00 9 00
German, per doz..... 0 60 2 60

PLUMBERS' BRASS GOODS.

Standard Compression work, dis. 60 p.c.
"J.M.T." Cushion work, dis. 50 p.c.
Fuller work, dis. 65 p.c.
6 doz. lots and over of the above, extra dis. 10 p.c.
Lever Handle Stops and Waste, discount 60 p.c. With, in lots of 2 doz. and over, an extra dis. of 10 p.c.
"J.M.T." Globe, Angle and Check Valves, dis 55 p.c.
Standard Globe, Angle and Check Valves, dis. 65 p.c.
"J.M.T." Radiator Valves, dis. 55 p.c.
Standard " " dis., 65 p.c.
Patent Quick Opening Valves, dis. 70 p.c.
No. 1 compression bath cock, net .. 2 00
No. 4 " " 2 00
No. 7, Fuller's 2 20
No. 4½, " 2 35
Patent Compression Cushion, basin cock, hot and cold, per doz 15 00
Patent Compression Cushion, bath cock. No. 2208..... 2 25
Square head brass cocks, 60 p.c.
" iron " 60 p.c.
Competition Globe, Angle and Check Valves discount, 70 p.c.
Competition Quick Opening Radiator Valves, discount, 70 p.c.

PRESSED SPIKES.

Discount 22½ per cent.

PULLEYS.

Hothouse, per doz.....	0 55	1 00
Axle.....	0 22	0 33
Screw.....	0 27	1 00
Awning.....	0 35	2 50

PUMPS.

Canadian cistern.....	1 80	3 60
Canadian pitcher spout.....	1 40	2 10

PUNCHES.

Saddlers', per doz.....	1 00	1 85
Conductors' "	9 00	15 00
Tinners', solid, per set.....	0 00	0 72
" hollow per inch.....	0 00	1 00

RANGE BOILERS.

	Net.
Dominion, 30 gal.	5 75
Dominion, 35 "	6 75
" 40 "	7 75
Ronald's Galvanized, 30 gallons	6 50
" " 35 "	7 50
" " 40 "	8 50
Copper, 30 gallons.....	20 00
" 35 "	23 20
" 40 "	26 40

RAKES.

Wood, per doz. net 110

RAZORS.

	per doz.	
Elliot's	4 00	18 00
Geo. Butler & Co.'s.....	4 00	18 00
Boker's.....	7 50	11 00
" King Cutter.....	12 50	50 00
Wade & Butcher's	3 60	10 00
Theile & Quack's.....	7 00	12 00
Bailey's	6 00	12 00
Carbo Magnetic Razor	....	15 00
Griffon Barbers' Favorite	....	10 75
Griffon No. 65.....	....	13 50
Griffon Safety Razors.....	....	13 50
" Stropping Machines.		13 50

All other razors 50 p.c. off catalogue price.

REGISTERS.

Discount ..... 40 per cent

RIVETS AND BURRS.

Iron Rivets, black and tinned, discount 60 and 10 per cent.
Iron Burrs, discount 55 per cent.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets without proportion burrs, 45 and 10 dis., cartons, 1c. per lb. extra, net.
Copper Burrs only, 30 and 0 p.c.
Extras on Tinned or Coppered Rivets, ½-lb. cartons, 1c. per lb.

RIVET SETS.

Canadian, dis. 35 to 37½ per cent.

ROPE, ETC.

Sisal	13
Pure Manilla.....	16
"British" Manilla.....	14½
Cottor, 3-16 inch and larger.....	16
" 5-32 inch.....	21
" ⅛ inch	22
Russia Deep Sea.....	15
Jute.....	8
Lath Yarn	12
Sisal bed cord, 48 ft..... per doz.	65
" " 60 ft..... "	80
" " 72 ft..... "	95

RULES.

Boxwood, dis. 55 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS.

per set.

Mrs. Potts, No. 55, polished.	70
" No. 50, nickle-plated.	75

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ pe cent.
B & A. sand, 40 and 5 per cent.
Emery, 40 per cent.
Garnet (Rurton's), 5 to 10 p.c. advance on list.

SAP SPOUTS.

Bronzed iron with hooks, per doz. 9 50

SAWS.

Hand Disston's, dis. 12½ p.c.
S. & D., 40 per cent.

Crosscut, Disston's, per ft..	0 35	0 55

S. & D., dis. 35 p.c. on Nos. 2 and 3

Hack, complete, each	0 75	2 75
" frame only		0 75

SASH WEIGHTS.

Sectional, per 100 lbs.....	2 25	2 50
Solid, "	1 75	2 00

SASH CORD.

Per lb..... 0 23 0 30

SAW SETS.

Lincoln and Whiting, per doz.	4 75
Hand Sets, No. 1 Woodyatt (Morrill)	4 25
X-cut Sets, No. 3 Woodyatt (Morrill)	9 50

SCALES.

Burrow, Stewart & Milne—
Imperial Standard, 45 per cent.
Weigh Beams, 35 per cent.
Champion Scales, 55 per cent.
Fairbanks Standard, 35 p.c.
" Dominion, 55 p.c.
" Richelieu, 55 p.c.
Warren's new Standard 45 p.c.
" " Champion 55 p.c.

SCREW DRIVERS.

Sargent's per doz..... 0 65 1 00

SCREWS.

Wood, F.H., bright and steel, 87½ and 10 p.c.
Wood R. H., " dis. 82½ and 10 p.c.
" F. H., brass dis. 80 and 10 p.c.
Wood, R. H., " dis. 75 and 10 p.c.
" F.H., bronze, dis. 75 p.c.
" R.H. " 70 p.c.
Drive Screws, 87½ and 10 per cent.

Bench, wood, per doz.	3 25	4 00
" iron, "	4 25	5 00

Set, Case hardened, 60 per cent.
Square Cap, 50 and 5 per cent.
Hexagon Cap, 45 per cent.

SCYTHES.

Per doz., net..... 5 00 8 00

SCYTHE SNATHS.

Canadian, dis. 45 p.c.

SHEARS.

Bailey Cutlery Co., full nickeled, dis. 60 and 2½ p.c.
Bailey Cutlery Japan handles, 67½ p.c.
Seymour's, dis. 50 and 10 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SINKS.

Steel and galvanized, discount 45 per cent

SNAPS.

Harness, German, dis. 25 p.c.

Lock, Andrews'.....	4 50	11 50

SOLDERING IRONS.

1, 1½ lb., per lb.....	0 37
2 lb. or over, per lb.....	0 34

SQUARES.

Iron, No. 493, per doz.....	2 40	2 55
" Mo. 494, "	3 25	3 40

Steel, dis. 60. 10 and 5 p.c.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.

Plain, dis., 75 and 12½ p.c. off revised list.
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized.....	3 25	3 50
Plain.....	2 90	3 15

Coopers', discount 45 per cent.
Poultry netting staples, 40 per cent.

STANDARD CHAIN CO., PITTSBURGH, U. S. A.

MANUFACTURERS OF **CHAIN** OF ALL KINDS.

Proof Coil, B.B., B.B.B., Crane, Dredge Chain, Trace Chains, Cow Ties, etc.

ALEXANDER GIBB, Montreal. —Canadian Representatives— A. C. LESLIE & CO., Montreal.

For Provinces of Ontario and Quebec. For other Provinces.

STOCKS AND DIES.

American dis. 25 p.c.

STONE.	Per lb.	
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip,	0 09	0 09
Labrador	....	0 13
" Axe	....	0 15
Turkey	....	0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, 2 in, 40 to 200 lb, per ton	....	25 00
" under 40 lb. "	....	28 00
Grind. under 2 in. thick "	....	29 00

STOVE PIPES.

5 and 6 inch Per 100 lengths	....	7 00
7 inch " "	....	7 50

ENAMELINE STOVE POLISH.

No. 4—3 dozen in case, net cash	$4 80
No. 6—3 dozen in case, "	8 40

TACKS, BRADS, ETC.

Cheese-box tacks, blued	80 & 12½
Trunk tacks, black and tinned	85
Carpet tacks, blued	80 & 15
" " tinned	80 & 20
" " (in kegs)	40
Cut tacks, blued, in dozens only	80
" ¼ weights	60
Swedes cut tacks, blued and tinned—	
In bulk	80 & 10
In dozens	75
Swedes, upholsterers', bulk	85, 12½ & 12½
" brush, blued & tinned, bulk	70
" gimp, blued, tinned and japanned	75 & 12½
Zinc tacks	35
Leather carpet tacks	55
Copper tacks	50
Copper nails	52½
Trunk nails, black	65 and 5
Trunk nails, tinned	65 and 10
Clout nails, blued	65 and 5
Chair nails	35
Patent brads	40
Fine finishing	40
Lining tacks, in papers	10
Lining tacks, in bulk	15
" " solid heads, in bulk	75
Saddle nails in papers	10
" " in bulk	15
Tufting buttons, 22 line, in dozens only	60
Tin capped trunk nails	25
Zinc glazier's points	5
Double pointed tacks, papers	90 and 10
" " " bulk	40
Shoe nails	60
Clinch and duck rivets	45

TAPE LINES.

English, ass skin, per doz	2 75	5 00
English, Patent Leather	5 50	9 75
Chesterman's each	0 90	2 85
" steel, each	0 80	3 00

TINNERS' SNIPS.

Bailey's, dis. 25 p.c.

THERMOMETERS.

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TRAPS. (Steel.)

Game, Newhouse, dis. 25 p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's discount 10 per cent.

German, per doz	4 75	6 00

S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb	....	0 27
Wrapping, cotton, 3-ply		0 19
" 4-ply	....	0 23
Mattress, per lb	0 33	0 45
Staging, "	0 27	0 35

VISES.

Wright's	....	0 13½
Brook's	....	0 12¾
Pipe Vise, Hinge, No. 1	....	3 50
" " " No. 2	....	5 50
Saw Vise	4 50	9 00

ENAMELLED WARE.

White, Princess, Turquoise, Blue and White, discount 50 per cent.
Diamond, Famous, Premier, 50 and 10 p.c.
Granite or Pearl, Imperial, Crescent, 50, 10 and 10 per cent.

WIRE.

SMOOTH STEEL WIRE.

No. 0-9 gauge		$2 60
10 "		6c. extra.
11 "		12c. "
12 "		20c. "
13 "		30c. "
14 "		40c. "
15 "		55c. "
16 "		70c. "

Add 60c. for coppering and $2 for tinning

Extras net per 100 lb. — Oiled wire 10c.' spring wire $1.25, special hay baling wire 30c.' best steel wire 75c., bright soft drawn 15c.' charcoal (extra quality) $1.25, packed in casks or cases 15c., bagging and papering 10c., 50 and 100-lb. bundles 10c., in 25-lb. bundles 15c., in 5 and 10-lb. bundles 25c., in 1-lb. hanks 50c., in ½-lb. hanks 75c., in ¼-lb. hanks $1.

Fine Steel Wire, dis. 22½ per cent List of extras : In 100-lb. lots : No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, 7.65—No. 24, $8—No. 25, $9—No. 26 $9.50—No. 27, $10—No. 28, $11 No. 29. $12—No. 30, $13—No. 31, $14—No. 32 $15, No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31 $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles. 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.50 to $3.85—No. 9, $2.85 to $3.15—No. 10, $3.60 to $3.95—No. 11, $3.70 to $4.10—No. 12, $3 to $3.30—No. 13, $3.10 to $3.40—No. 14, $4.10 to $4.50—No. 15, $4.60 to $5.05—No. 16. $4.85 to $5.35. Base sizes, Nos. 6 to 9 $2.52½ f.o.b. Cleveland.
Clothes Line Wire, regular 7 strand, No. 17, $4.65; No. 18, $2.90; No. 19, $2.60. Hollow 6 strand, No. 17, $4.30; No. 18. $2.70, No. 19, $2.35; No. 20, $2.30, f.o.b. Hamilton, Toronto Montreal.

WIRE FENCING.

Galvanized barb	....	3 00
Galvanized, plain twist	....	3 00

Galvanized barb, f.o.b. Cleveland, $2.77½ in less than carlots, and $2.65 in carlots

WIRE CLOTH

Painted Screen, per 100 sq. ft., net.. 1 37½
Terms, 3 per cent. off 30 days.

WASTE COTTON.

	per lb.
Colored	6
White	8

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 60 p.c.
Coe's Genuine, dis. 20 to 25 p.c.

Towers' Engineer, each	2 00	7 00
" S., per doz	5 80	6 00
G. & K.'s Pipe, per doz	....	3 40
Burrell's Pipe, each	....	3 00
Pocket, per doz	0 25	2 90

WRINGERS.

Leader, per doz.	$30 00	33 00
Royal Canadian, "	....	24 00
Royal American, "	....	24 00
Sampson "	....	24 00

Terms 4 months, or 3 p.c. 30 days

WROUGHT IRON WASHERS.

Canadian make, discount, 40 per cent.

ADVERTISING in WESTERN CANADA

will be Carefully Efficiently, and Promptly attended to, by

The Roberts Advertising Agency,

WINNIPEG CANADA.



"Pullman" Lawn Sprinkler

IS YOUR ORDER IN ?

Send for Folder No. 14.

Pullman Sash Bal. Co.
Rochester, N.Y., U.S.A.

Standard Paint & Varnish Works Limited
Makers of High Grade Varnishes, Japans, Paints, Colors & Enamels
Windsor, Ont.

Persons addressing advertisers will kindly mention having seen their advertisement in The Canadian Hardware and Metal Merchant.

STEVENS SINGLE BARREL SHOT GUN.

LATEST AND BEST SINGLE GUN ON THE MARKET.



MADE IN THREE STYLES THREE GAUGES UP-TO-DATE.

FINEST SINGLE GUN YET PRODUCED.

Our Goods are Handled by the Leading Jobbers.

J. Stevens Arms & Tool Co., P.O. Box 217 Chicopee Falls, Mass., U.S.A.

CELEBRATED **HEINISCH** SHEARS.

Tailors' Shears, Trimmers, Scissors, Tinners' Snips, etc.



ACKNOWLEDGED THE BEST.

R. HEINISCH'S SONS CO.

NEW YORK OFFICE, 90 Chambers St. NEWARK, N.J., U.S.A.

Not connected with any Shear Combination.



Ontario Nut Works, Paris

BROWN & CO.

Manufacturers of

All sizes of Hot Pressed Nuts, Square and Hexagon.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker,

13 St. John Street, Montreal

Representing British and American Manufacturers. Correspondence invited from firms wishing to be represented in Canada.

"THE EMLYN" SAW BENCH

Made in 6 sizes. Best value obtainable. Specially designed for export With or without "Emlyn" Patent Guard. Sole maker—

CHARLES D. PHILLIPS,

Cables—"Machinery," Newport.

Emlyn Engineering Works, NEWPORT, MON., ENGLAND.

ONTARIO SILVER CO.,

Limited,

NIAGARA FALLS, CANADA.

Manufacturers of **FLATWARE, CUTLERY and ELECTRO PLATE. . . .**

Ask for our Catalogue and Quotations.

Removal Notice.

The Batty Stove & Hardware Co.

Successors to

The Toronto Branch of THE COPP BROS. CO., Limited.

Have removed their Offices and Warerooms to **76 YORK ST.** (south of King), where they will continue in the wholesale trade only, handling

STOVES AND RANGES
STOVE REPAIRS, ETC.
MANTELS, GRATES AND TILES
HOT-AIR REGISTERS A SPECIALTY

New Address—76 York Street.

HAND-FORGED **BUTCHER KNIVES** HAND-GROUND

Made from Best English Double Shear Steel



Fully Warranted

STANDARD SHAPES AND HIGHLY POLISHED

Also

Steel-Laid Shears and Scissors and Hand-Forged Razors

Made by

BAILEY CUTLERY CO., LIMITED

Write for Catalogue. **BRANTFORD, CANADA.**

CHAS. P. CLARK, President. **JARED CHITTENDEN, Treasurer.**

...ESTABLISHED 1849...

BRADSTREET'S

Capital and Surplus, $1,500,000. **Offices Throughout the Civilized World.**

Executive Offices: Nos. 346 and 348 Broadway, New York City, U.S.A.

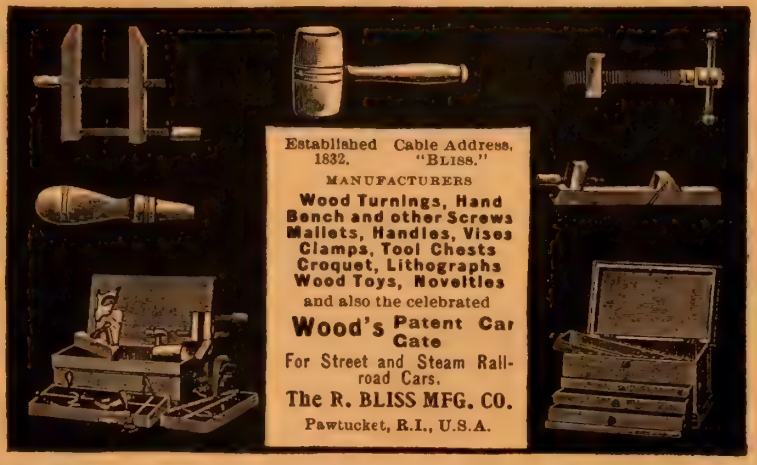
THE BRADSTREET COMPANY gathers information that reflects the financial condition and the controlling circumstances of every seeker of mercantile credit. Its business may be defined as of the merchants, by the merchants, for the merchants. In procuring, verifying and promulgating information, no effort is spared, and no reasonable expense considered too great, that the results may justify its claim as an authority on all matters affecting commercial affairs and mercantile credit. Its offices and connections have been steadily extended, and it furnishes information concerning mercantile persons throughout the civilized world.

Subscriptions are based on the service furnished, and are available only by reputable wholesale, jobbing and manufacturing concerns, and by responsible and worthy financial, fiduciary and business corporations. Specific terms may be obtained by addressing the Company at any of its offices. **Correspondence Invited.**

——OFFICES IN CANADA——

HALIFAX, N.S. HAMILTON, ONT. LONDON, ONT. MONTREAL, QUE.
OTTAWA, ONT. QUEBEC, QUE. ST. JOHN, N.B. TORONTO, ONT.
VANCOUVER, B.C. VICTORIA, B.C. WINNIPEG, MAN.

THOS. C. IRVING, Gen. Man. Western Canada, Toronto. JOHN A. FULTON, Gen. Man. Eastern Canada, Montreal.



Canadian Representative: ALEXANDER GIBB, 13 St. John St., MONTREAL.

75 YEARS. ***ESTABLISHED 1825.*** ***75 YEARS.***

BEAMS
CHANNELS
ANGLES
PLATES

1,500 TONS FOR SALE

All of this material in lengths from 40 to 60 feet.
We can ship promptly, and should be pleased to receive your order.
Prices and stock lists on application.

STEEL FRAME BUILDINGS and ROOF TRUSSES.

Also Steel Bridges for Railways and Highways.

THE HAMILTON BRIDGE WORKS COMPANY LIMITED

Long Distance Telephone, Hamilton 630. **HAMILTON, CANADA.**

Est. 1808 Inc. 1895

Black Diamond File Works

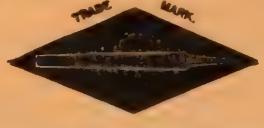
G. & H. Barnett Company

PHILADELPHIA

Twelve Medals



Awarded
By **JURORS** at
International Expositions
Special Prize
Gold Medal at Atlanta, 1895



RUBBER HOSE

FOR

Water	Air	Suction
Steam	Acids	Fire Protection
Gas	Brewers	Pneumatic Tools

SUPERIOR IN QUALITY.
SATISFACTORY IN SERVICE.

When you want anything made of rubber, write to us.

THE GUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

Head Office and Warerooms—
45-47-49 West Front St.

TORONTO,

Factories—115-165 West Lodge Ave.
124-148 O'Hara Ave.

CANADA.

We can quote lowest prices for the following goods in quantities, viz.:

BLACK STEEL SHEETS.
POLISHED STEEL SHEETS.
RANGE STEEL.
GALVANIZED SHEETS.
CANADA PLATES.
SHEET COPPER.
SHEET ZINC.
TIN PLATES—Coke and Charcoal.
WINDOW GLASS
PLATE GLASS.
WHITE LEAD.
RED LEAD.

Send us your enquiries when next in the market.

B. & S. H. THOMPSON & CO.

53 St. Sulpice Street,

MONTREAL.

VARNISHES AND JAPANS

McCASKILL, DOUGALL & CO.

Manufacturers MONTREAL



Standard Railway and Carriage Varnishes
Standard Boat and Spar Varnishes
—Wont turn white from the effects of water and sun.
Standard Piano, Furniture and Decorative Varnishes
Zanzerine Transparent Wood Finishes and Varnishes
Architectural Varnishes

OFFICES:

161 Summer St., BOSTON, Mass., U.S.A.
30 St. John St., MONTREAL.

The Best Value for all Machinery Bearings,
LANGWELL'S BABBIT
MONTREAL.

CANADIAN
HARDWARE
AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XIV. MONTREAL AND TORONTO, MAY 31, 1902 NO. 22.

POCKET KNIVES
H. BOKER & COS
IMPROVED
TREE BRAND
TRADE MARK
RAZORS CUTLERY SCISSORS
FOR SALE BY LEADING WHOLESALE HARDWARE HOUSES.

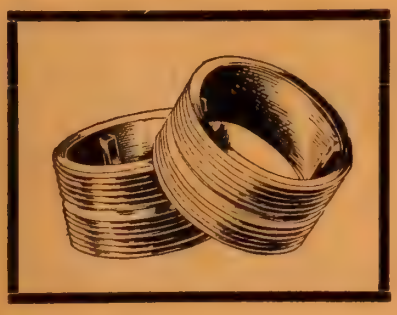
A prominent advertiser asks—

DOES IT PAY TO MAINTAIN QUALITY?

Our experience—forty odd years—is that it does.

JOHN LYSAGHT, Limited
Makers of Galvanized Iron, Steel Sheets, etc.
Canadian Branch—
A. C. LESLIE & CO., Montreal, Managers.

"That Made the Hit"



This is a drawing of the Patent Connection that made the "SAFFORD" famous the world over; that revolutionized radiator building; that made it possible to put a radiator together without bolts, red lead, rods or packing.

The "SAFFORD" is the only radiator on the market for hot-water and steam heating. It means satisfaction every time—is easy to handle for the contractor.

If you have not our Catalogue, write to us.

THE DOMINION RADIATOR CO., Limited
Head Office and Works: DUFFERIN ST. TORONTO, CAN.

SPORTING GOODS

GOLF
TENNIS
BASEBALL
LACROSSE
FOOTBALL
SUPPLIES

ALL KINDS OF

FISHING TACKLE

RICE LEWIS & SON
LIMITED

Write for Catalogue and Prices.

TORONTO.

COTTON WASTE

WHITE

COLORED

Prompt shipment.

Prices right.

M. & L. SAMUEL, BENJAMIN & CO.

27 Wellington St. West,

TORONTO, ONT.

English House: SAMUEL, SONS & BENJAMIN, 164 Fenchurch St., LONDON, E.C.

James Cartland & Son

Manufacturers of every description of **Limited**

CABINET, BUILDERS', FURNISHING AND NAVAL BRASSFOUNDRY

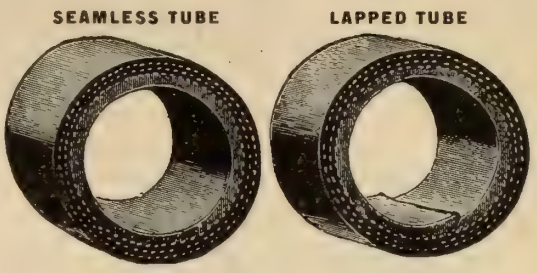
BIRMINGHAM, ENGLAND.



London Showrooms: 57 Holborn Viaduct, E.C.

GARDEN HOSE

Seamless Tube.



All brands of our **GARDEN HOSE** are made with our

Patent Seamless Tube

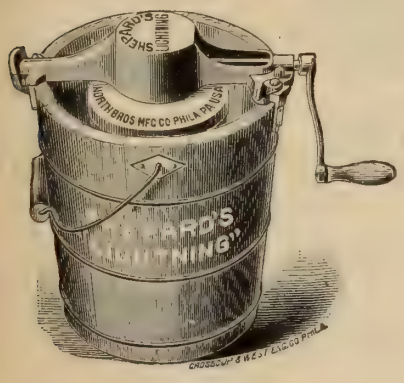
WRITE FOR DISCOUNTS.

The Canadian Rubber Co.

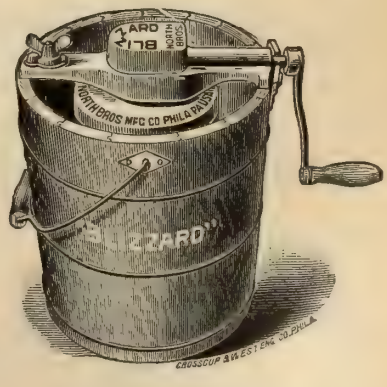
MONTREAL **TORONTO** **WINNIPEG**

Lightning, Gem Blizzard . . .

FREEZERS







ARE

Well Advertised.
In Demand.
Easily Sold.
Satisfactory in Use.
Of Known Reputation.

HAVE

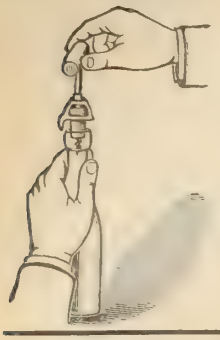
Cedar Pails with Electric Welded Wire Hoops.
Cans of Heavy Tin with Drawn Steel Bottoms.
AUTOMATIC Twin Scrapers.
"The Ice Cream Freezer Book" tells all about these and our other Freezers, mailed free.

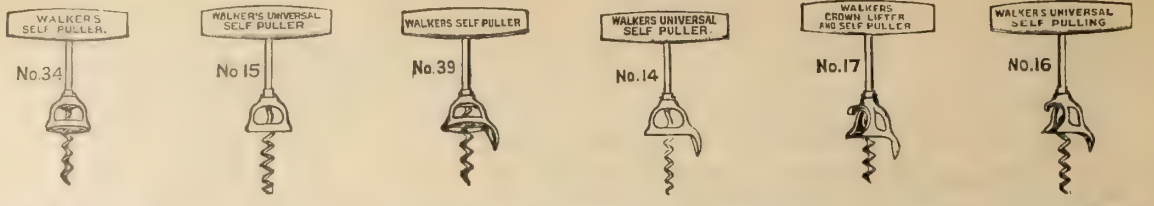
EXCEL IN

Easy Running.
Quick Freezing.
Economy.
Convenience.
Practical Results

North Bros. Mfg. Co., Philadelphia, Pa., U.S.A.

See! You Don't Have to Pull. A Child Can Do It.





Walker's Self-Pulling Cork Screws

Made of Crucible Steel, Nickel Plated, Polished Apple Wood Handles.

EVERY ONE TESTED AND GUARANTEED. Several imitations on the market, but none as good.

Mfrd. only by ERIE SPECIALTY CO., Erie, Pa., U.S.A.



Will Hold Up a Shelf!

That's what a shelf bracket is for.
For this purpose there can be
NOTHING BETTER
NOTHING CHEAPER
than the . . . .
BRADLEY STEEL SHELF BRACKET
It is well **Japanned, Strong** and **Light,** The saving in freight is a good profit, aside from the **lower price** at which the goods are sold.

☞ Order direct or through your jobber.

ATLAS MFG. CO., New Haven, Conn., U.S.A.

GALVANIZING

Our plant is modern, and capacity large. Prices O.K. Other branches:

WINDMILLS, PUMPS, TANKS,
FOUNDRY WORK, ETC., ETC.

Ontario Wind Engine & Pump Co., Limited,
505 Atlantic Ave., Toronto.

BRITISH BUSINESS CHANCES.

Firms desirous of getting into communication with British manufacturers or merchants, or who wish to buy British goods on the best possible terms, or who are willing to become agents for British manufacturers, are invited to send particulars of their requirements for

FREE INSERTION

in "Commercial Intelligence," to the Editor

'SELL'S COMMERCIAL INTELLIGENCE,'

Temple House, Tallis St., Temple Avenue, London, E.C.

"Commercial Intelligence" circulates all over the United Kingdom amongst the best firms. Firms communicating should give reference as to bona fides.

N.B.—A free specimen copy will be sent on receipt of a post card.

Stove Bricks.

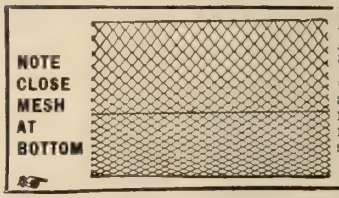
We have them in every variety and at closest prices. Prompt shipment. Write for Catalogue.

JONES BROS., Bracondale, P.O., Ont.

Lace Leather

Send direct to us for the celebrated "NIAGARA" Brand Lace Leather, best produced in this country. Yellow and White in Sides or Cut Strings. Prices and Samples on application.

WOOD BROS.
Tanners of High-Class Leathers,
ST. CATHARINES, ONT.



Page Acme Poultry Netting

is close meshed at bottom and does not require rail or board support at edges, having strong straight wire (No. 12 guage) at top, bottom and in centre, cannot sag and is easy to erect. The "Page Acme" netting is of neat appearance, very durable and cheap. We also make farm and ornamental fence, gates, nails and staples. The name of Page is your guarantee of quality.

The Page Wire Fence Co., Limited, Walkerville, Ont. 5

BISHOP & CO.

Established 1850.

27 and 28 Little Trinity Lane, - LONDON, ENG.

54 Scotland St., SHEFFIELD — Table Cutlery, all qualities.

23 Vittoria St., BIRMINGHAM — Wrought Steel Pots, round or oval. Tinned inside or enamelled.

Samples on view at the following Agencies:—

Alex. Thurber, 446 St. Paul St., - - MONTREAL.
E. Fielding, 34 Yonge St., - - TORONTO.
E. L. Denoncourt, 74 St. Joseph St., - QUEBEC.

WIRE ROPE

Wire Rope. OF

GREENING

All Kinds and Sizes AND FOR All Purposes.

PRICES RIGHT. PROMPT SHIPMENTS.

The B. GREENING WIRE CO., Limited

Hamilton, Ont. Montreal, Que.

THE ZANZIBAR PAINT CO., LIMITED

TORONTO

Sole Manfrs.

ZANZIBAR HOUSE PAINTS.

Strong Colors, Durable Gloss, Uniform and Smooth.

ZANZIBAR FLOOR PAINTS.

Easily Spread, Elastic and Durable—Dry Quickly and Hard.

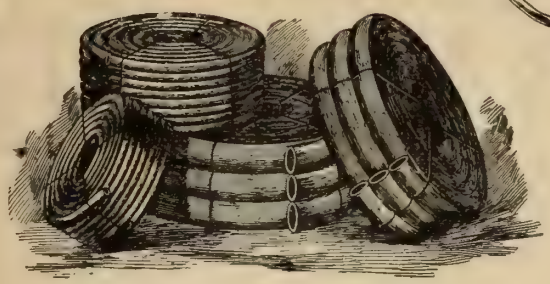
ZANZIBAR ROOF AND BARN PAINTS.

Low Priced, Smooth Body, Weather-Proof.

Zanzibar Shingle Stains contain no anilines, but best pigments—Permanent Colors, Strong Preservative.

NOTE:—We're a strictly Canadian house, buying all we can in Canada, quality being equal, and we will appreciate your patronage or an opportunity to tell you more about ourselves and our goods.

JUN 13 1902



Rubber and Cotton Garden Hose—all grades.



"AETNA" Lawn Sprinkler.
24 inches high, very rigid.

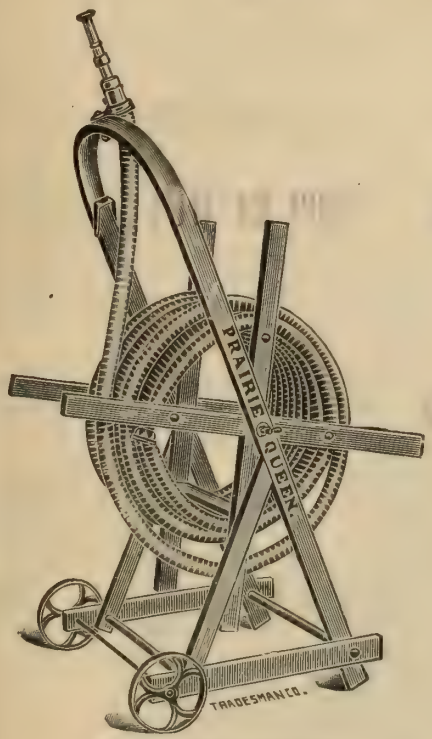
The season is now at its height for

LAWN AND GARDEN GOODS

Our stock embraces only such lines that meet with a ready sale.

PARIS GREEN

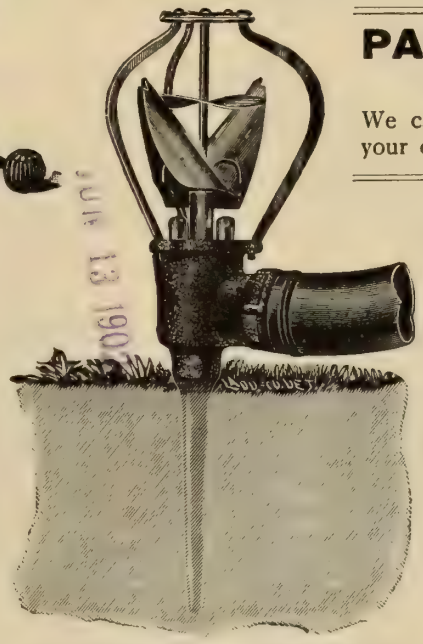
We can fill and ship your orders promptly.



"Prairie Queen" Hose Reel.
Holds 200 feet of hose. Strongly built.



Sherman Hose Clamps.



"ARC" Lawn Sprinkler. Throws water in a complete circle or half-circle, as desired.

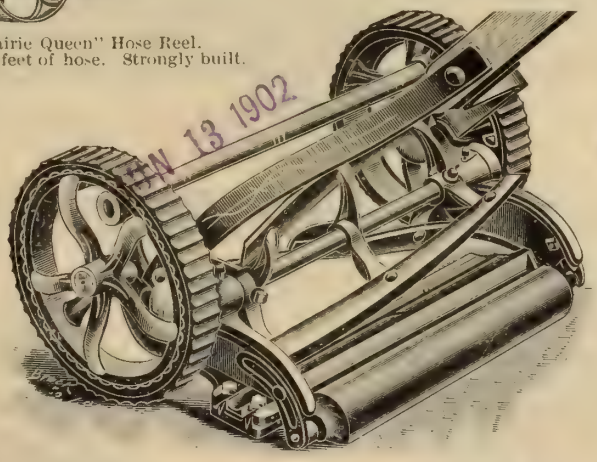


"GEM" Nozzle.

JUN 13 1902

WE ARE ALWAYS GLAD

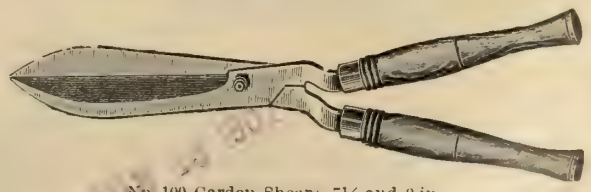
To Quote You Our Lowest Prices. It means an order for us.



MAXWELL Lawn Mower. Low wheel, 12, 14, and 16-in. cut.
High Wheel, 12, 14, 16, 18 and 20-in. cut.



"OLE OLESON" Lawn Rake, wood handle, head and teeth, the teeth never work loose.



No. 100 Garden Shears, 7½ and 9-in.

Toronto:
87 York Street

LEWIS BROS. & CO.

Ottawa:
54 Queen Street

MONTREAL.

HENRY ROGERS, SONS & CO.,

SHEFFIELD, ENGLAND

Manufacturers of the celebrated



H R S&C°

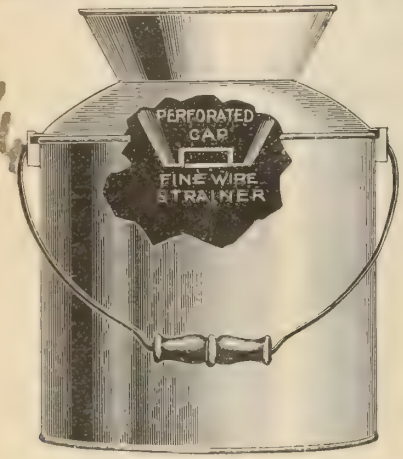
FIREBRICKS,
"Vulcan," "Forth," and "Phœnix."
CEMENT, "Lion" and "Maine" brands.
CANADA PLATES, "H. R. S. & CO."
TINPLATES, "ROGERS'" COKES.
"H. R. S. & CO." CHARCOALS.

Canadian Office:

6 ST. SACRAMENT ST., MONTREAL

F. A. YORK, Manager.

ROBLIN'S PATENT MILKING PAILS.



Latest and Best.

These pails are made of IX old method Tin, with patent locking attachment on covers so milk cannot spill, also furnished with strainer in cover, keeping milk pure.

Manufactured by

E. T. WRIGHT & CO., Hamilton and Montreal.

KNOX HENRY

Heavy Hardware and Metal Broker
Room 32 Canada Life Bldg., MONTREAL.



Samples sent free on application.

HORSE NAILS—"C" Brand Horse-Nails
Canada Horse Nail Co.
"BRASSITE" GOODS — Gunn Castor Co. Limited, Birmingham, Eng.

STANDARD TIN WORKS

MANUFACTURERS OF

TINWARE AND TIN CANS

Fruit Cans, Meat Cans,
Jacketed Oil Cans,
Baking Powder Cans,
Lard Pails, Etc.

JAS. A. McGOLPIN
156-162 Duke Street, TORONTO.

"FACTS ARE STUBBORN THINGS."

Enterprising Merchants understand that it is easy to sell goods that are in demand, and are known to be reliable. It is an admitted fact that CHURCH'S Cold Water

ALABASTINE

is a wall-coating of wide merit. It has stood the test of time.

M. B. Church was the first to offer to the trade a practical wall-coating adapted for use by mixing in cold water. The compound is patented, and the process of manufacturing is patented in Canada and other countries.

If offered a substitute, or something "just as good," bear in mind that the party so offering may well be regarded with suspicion. There is only one CHURCH'S ALABASTINE, and nothing manufactured for the purpose equal to it.

Attempts have been made to imitate ALABASTINE, which of course is the "sincerest flattery," but it is the genuine ALABASTINE that is in demand, and in selling it there is no risk on account of infringement on anybody's rights.

Our goods, our advertising, our business methods are up-to-date. Prices are right, terms easy, and supply of advertising matter liberal. Is your assortment complete? Prompt service to all.

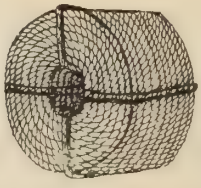
Address, THE ALABASTINE CO., LIMITED, Paris, Ont.

—The Trade supplied by—

Sanderson Pearcy & Co., Toronto, Ont.
Wood, Vallance & Co., Hamilton, Ont.
Hobbs Hardware Co., London, Ont.
Vancouver Hardware Co., Vancouver, B C.
William Hill, Montreal, P.Q.
W. H. Thorne & Co, St. John, N B.
G. F. Stephens & Co., Winnipeg, Man.
Miller, Morse & Co., Winnipeg, Man.

THE INDEPENDENT CORDAGE CO., Limited,

TORONTO.



Highest Award Pan-American Exposition.

MANUFACTURERS OF ALL KINDS OF

SISAL MANILA **ROPE,** Lath Yarn, Shingle Yarn, Hide Cord, Pulp Cord, Clothes Lines **BINDER TWINE**

Transmission Rope a Specialty.

See the Point?

There's money in it



if you handle

HOLLYWOOD PAINTS.

The Hollywood Paint Co., Limited

New York, Chicago, Buffalo, Columbus, O. Canadian Works. Hamilton, Ont.

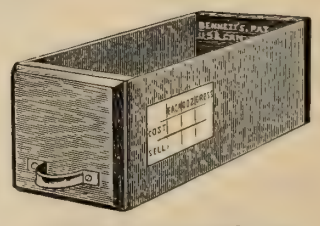


"Build to-day then, strong and sure. With a firm and ample base."
—Longfellow.

DO YOU?

WISH THUS TO BUILD an advertisement in the CONTRACT-RECORD, TORONTO will bring you tenders from the best contractors.

More Bennett's Patent Shelf Boxes.



The best testimonals are second orders.

"Chicoutimi, P.Q., May 24th, 1902—Please send us 212 more shelf boxes like the last.—Cote, Boivin & Co."

Write for prices to J. S. BENNETT, TORONTO

THE BEST ON EARTH

Denotes not only local but also **World-Wide** reputation.

"MURALO" WALL COATING

is the **leader** in its line, simply because it imbibes every **up-to-date good feature** possible to include in one grade of ***COLD WATER WALL FINISH.***

It is made in many TINTS and colors.



In one uniform QUALITY---the BEST.

Every customer who once uses "Muralo" refuses to take any **Antediluvian** material as a substitute. Write us or our large distributing agents for samples of our select and interesting advertising matter on "Muralo": "Descriptive Booklets," showing how to produce high-class decorative effects in relief; "Guide Book for Tinting," which is interesting to every dealer, painter and consumer; "Stencil Catalogues," showing hundreds of up-to-date designs; "Lithographic Show Cards" for store; "Weatherproof Signs"; "Muslin Signs"; Hand Color Cards and other up-to-date printed matter which we supply our agents free of charge with their name imprinted on.

Do not forget to write for our 32-page 1902 Catalogue, which is full of interesting materials and which will bring you large profits on a small outlay. We solicit inquiries from up-to-date dealers, either direct or to our nearest agents. Address

THE MURALO COMPANY

New Brighton, Borough of Richmond, N. Y.

A. Ramsay & Son, Montreal. J. H. Ashdown Hardware Co., Winnipeg.

McLennan, McFeely & Co., Vancouver.

THE PATENT
FRONT DRAW-OUT GRATE

OF OUR

IMPERIAL OXFORD

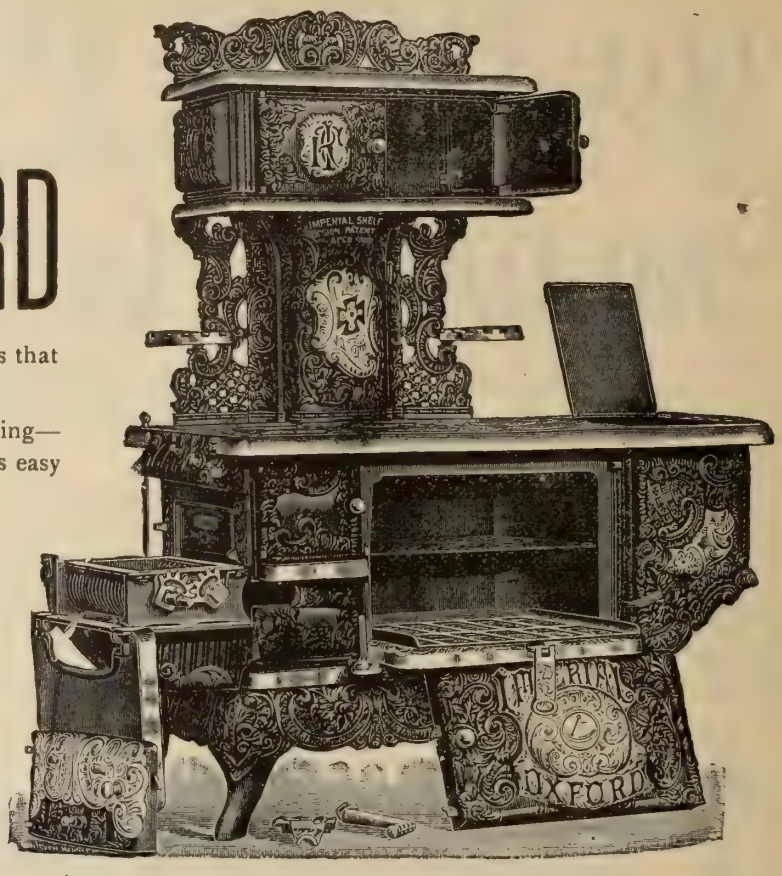
is one of the special features that give it precedence over all other Ranges.

This arrangement is of special advantage, as nothing—not even the warping of the frame—can interfere with its easy working. The

DIFFUSIVE FLUE CONSTRUCTION
DRAW-OUT OVEN RACK
OVEN THERMOMETER

are other improvements that have made the Imperial Oxford the popular range of Canada.

They're wonderful sellers!



THE GURNEY FOUNDRY CO., Limited

TORONTO. WINNIPEG. VANCOUVER.

THE GURNEY-MASSEY CO., LIMITED, MONTREAL.

What do you require in the way of

CANS?

We manufacture the very best quality of

Paint and Color Cans, round and square.
Varnish and Oil Cans. Paint Irons
Paint Packages. Lye Tins.

and every description of Tin or Can required by the trade. We shall be pleased to send you quotations for anything you need in our line.

The Acme Can Works,

OFFICE AND FACTORY:

Ontario St. and Jeanne D'Arc Ave.,

MONTREAL.

JAS. B. CAMPBELL. WILLIAM PRATT.

CANADA FOUNDRY CO. LIMITED.

WE LEAD

IN THE MANUFACTURE OF:

Cold Pressed Nuts,
Square and Hexagon,
Finished and Semi-Finished,
Cap Screws,
Set Screws,
Thumb Screws, Bolts,
Special Milled Work, etc.

CANADA FOUNDRY COMPANY.

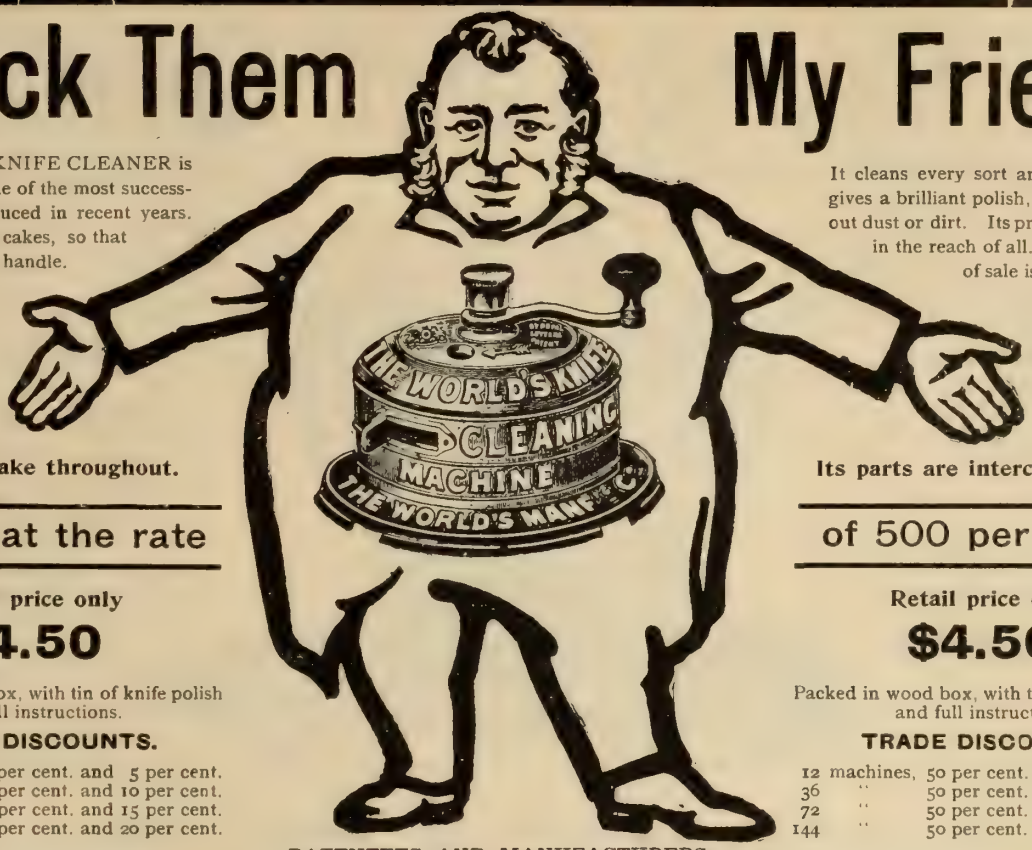
LIMITED.

14-16 King St. East, TORONTO.

Stock Them My Friend.

The WORLD'S KNIFE CLEANER is unquestionably one of the most successful articles introduced in recent years. It's going like hot cakes, so that now is the time to handle.

It cleans every sort and size of knife, gives a brilliant polish, and works without dust or dirt. Its price brings it within the reach of all. The possibility of sale is, therefore, only limited by the number of your customers.



English make throughout.

Its parts are interchangeable.

Cleans at the rate

of 500 per hour.

Retail price only

$4.50

Packed in wood box, with tin of knife polish and full instructions.

TRADE DISCOUNTS.

12	machines,	50 per cent. and 5 per cent.
36	"	50 per cent. and 10 per cent.
72	"	50 per cent. and 15 per cent.
144	"	50 per cent. and 20 per cent.

Retail price only

$4.50

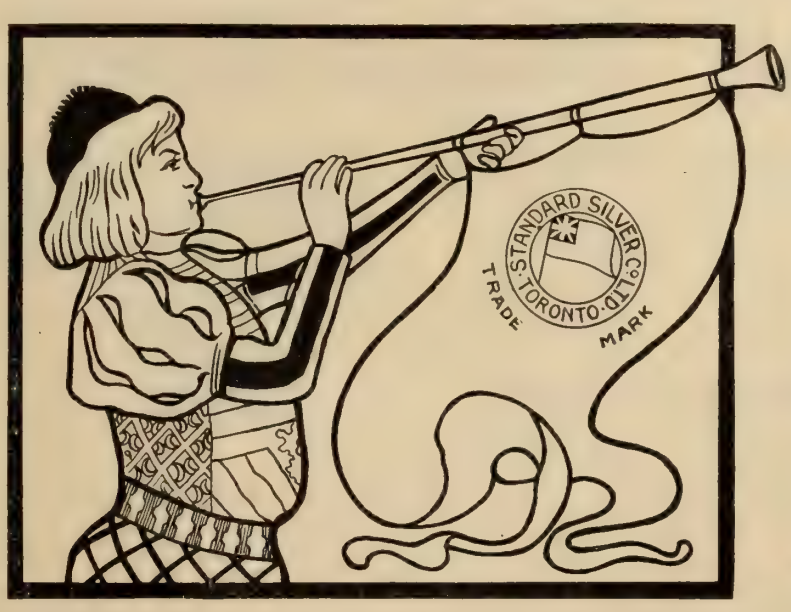
Packed in wood box, with tin of knife polish and full instructions.

TRADE DISCOUNTS.

12	machines,	50 per cent. and 5 per cent.
36	"	50 per cent. and 10 per cent.
72	"	50 per cent. and 15 per cent.
144	"	50 per cent. and 20 per cent.

PATENTEES AND MANUFACTURERS,

THE WORLD'S MANUFACTURING CO., 66-68 (Offices No. 68) Victoria S., London S.W., Eng.



"SILVERWARE THAT SELLS"

WHY?
BECAUSE—

Its beauty of design and finish please the eye.

Its absolute guarantee of quality pleases the cautious buyer.

Its price, consistent with the above qualities, pleases the purse,

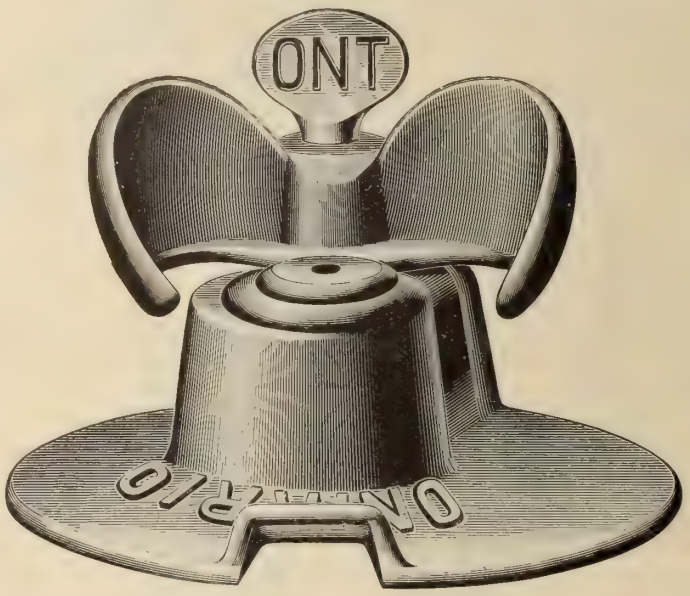
Are you willing to profit by these advantages? If you are, write us for catalogue and price list.

STANDARD SILVER CO., LIMITED,

Makers of "SILVERWARE THAT SELLS."

31 to 43 Hayter St., TORONTO.

The Ontario Lawn Sprinkler



No wearing parts to get out of order.

No parts that will clog.

Adjustable wings to prevent wetting walks, etc.

Throws a spray as fine as mist.

Will give more satisfaction than the most expensive styles.

THE WHOLESALE TRADE CARRY THEM IN STOCK.

Manufactured by

A. R. WOODYATT & CO., GUELPH, ONT.

Seasonable Suggestions



Water Coolers.



Made in five sizes.
Artistically decorated in attractive designs.
They have Nickel-plated Faucets and are substantially made.
Each one is carefully packed in a wooden box.

Water Pots.

Plain. Japanned. Galvanized. Six sizes.
All our Cans have the patent Zinc Rose, which can be easily taken apart for cleaning.
They are all well finished, strong and durable.

WE CARRY A FULL LINE OF METALS.
Canada Plate and Galvanized Iron from stock or for import.
WE WILL BE PLEASED TO QUOTE YOU.

KEMP MANUFACTURING CO., TORONTO, CANADA.

HARDWARE AND METAL

VOL. XIV. MONTREAL AND TORONTO, MAY 31, 1902. NO. 22.

President:
JOHN BAYNE MacLEAN,
Montreal.

The MacLean Publishing Co.
Limited

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P.E. Island and Newfoundland.

OFFICES.

MONTREAL - - - 232 McGill Street. Telephone 1255.
TORONTO - - - 10 Front Street East. Telephone 2701 and 2702.
LONDON, ENG. - - 109 Fleet Street, E.C. W. H. Miln.
MANCHESTER, ENG. - - 18 St. Ann Street. H. S. Ashburner.
WINNIPEG - - - Western Canada Block. J. J. Roberts.
VANCOUVER, B.C. - - - Flack Block. J. A. Macdonald.
ST. JOHN, N.B. - - No. 3 Market Wharf. J. Hunter White.
NEW YORK - Room 443 New York Life Bldg.

Subscription, Canada and United States, $2.00.
Great Britain and elsewhere - - 12s.
Published every Saturday.

Cable Address { Adscript, London. / Adscript, Canada.

WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

AN EXCITED PARIS GREEN MARKET.

A DECIDED change has come over the market for paris green. Up to the present buyers have bought, what might be termed, sparingly, as it was felt an excess quantity was being made in the United States, and that supplies could be easily obtained whenever required. Their calculations in this respect, however, have not been realized. This is due to the turn the market has taken in the United States during the last few weeks.

Over there quite a demand has developed and the result is a scarcity of supplies with prices ¾ to 1c. higher than they were at the beginning of the season.

Referring to the situation in the United States, The Paint, Oil and Drug Reporter in its last issue says: "It is seldom that such difficulty is experienced at this stage of the season by buyers of paris green in getting deliveries on contracts, nor do those who do not take the precaution to cover their probable requirements in advance often find it so hard to get the goods when they need them. Yet, according to reports from all quarters, with the active consuming season scarcely opened, the market is almost bare of stocks, and manufacturers are unable to meet the demand made upon them for deliveries on contracts made early in the year on a much lower basis of value. * * * The situation is a strong one, and, at the present writing, all indications point to the establishment of a considerably higher range of values."

In sympathy with the condition of affairs in the United States, the demand in Canada for paris green has become active during the last week, and it is quite within the limits of possibility that the advance which took place in June of 1901 of 2c. per lb. may be repeated in the near future. Makers of paris green in Canada are calling in the options that may be afloat, and travellers are advised not to leave any figures behind them, and to take orders only for specified quantities at specific prices for immediate shipments.

DROPS FROM THE EDITOR'S PEN.

A live man can usually raise to life a dead business.

We can make money; but if we coin it the law makes prisoners of us.

Money will always keep a man out of the poor house, but it will never keep a man out of the dead house.

HOW THE GERMANS GOT THE TRADE.

AMONG the commercial nations of the world none have been more energetic and resourceful in developing their export trade than Germany. An interesting report recently sent to the United States Government at Washington by their Consul at Autofagasta, Chile, gives an interesting insight into the methods that have been employed by Germany in developing her trade with Peru, Chile and Bolivia.

It appears that about 30 years ago the trade that went to the Pacific ports of the South-American countries was monopolized by British and United States houses. The Germans at that time were only represented by jobbers and shopkeepers in the coast towns.

Not satisfied with this condition of affairs Germany carefully trained a number of young men, educating them in commercial affairs in the language of the South-American countries. These young men were then sent to South America to enter business houses as clerks, with a view to their mastering the details of the business. When these details had been mastered a number of German houses started branches in such countries as Chile, Bolivia and Peru, with these young men in charge. The result is that in many branches Germany has now a monopoly of the trade, and the British and United States houses no longer attempt competition.

There is a lesson in this for Canadian business men as well as for the business men of other countries. There is no question about it, the education of young men in this country is particularly deficient in regard to the languages of other countries. What Germany has done, Canada can do, if she only has the will.

IMPORTANT COMMERCIAL QUESTIONS.

THE convention of representatives of the different boards of trade throughout the country, which is to meet in the Parliament Buildings, Toronto, on Wednesday and Thursday next, has had a most important programme mapped out for its consideration. This programme is as follows :

Canadian Copyright.
Canadian Insolvency Law.
Commercial Depot in London, Eng.
Defence.
Establishment of Customs Union with Sister Colonies.
Fast Atlantic Service.
Importation of Canadian Cattle into Great Britain.
Metric System.
Newspaper Postage Between Canada and Great Britain.
Railway Commission.
Steamship Service for Exclusive Trade Between Great Britain and her Colonies.
State Cable from Canada to Australia.
Steel Shipbuilding in Canada.
Trade Relations within the Empire.
Trade Relations within the Colonies.
Postal and Telegraph Communication.
Winter Navigation of the St. Lawrence.

Here are in all some 17 subjects, all of which are more or less important to the welfare of the Dominion. If the Conference succeeds in getting through even half of them, it will have established for itself a record which it would take the Dominion Parliament or any other legislative body a long time to successfully emulate.

No doubt one of the first things the Conference will do when it meets will be to appoint a committee to revise the list of subjects and to bring up those first which are of the most importance. At any rate, this is what should be done.

The subject which will no doubt occupy the most attention, and around which the greatest discussion will centre, is that of preferential trade with the Mother Country. The Toronto Board of Trade has already prepared a resolution on this subject, which called upon the Prime Minister of Canada to urge at the coming Imperial Conference the securing of a Royal Commission composed of representatives of Great Britain and the colonies to investigate the trade conditions, and to suggest such preferential treatment of imports from the various parts of the Empire as shall be best calculated to insure the fullest benefits.

As we have already said, this will be the most important subject for discussion. It is one thing to desire a thing, but it is another to secure it, and especially when it is surrounded by intricate and conflicting interests.

Preferential trade between Canada and the Mother Country would, no doubt, be beneficial to all concerned if it were placed upon a sound economic basis. There are already some in Canada who find the preference irksome which Canada gives to the products of the Mother Country.

The difficulty is to secure a tariff arrangement between two countries which will prove satisfactory to these. They are asking for a higher tariff on the particular goods which they manufacture. How this can be done, and while at the same time induce the British Government to arrange its tariff in order that Canadian products will get a preference over those of the various countries, is an intricate question. If a preference means anything, it means that the parties to it must consent to such modifications in the tariff as shall allow the products of the contracting parties to enter with greater freedom than hitherto. This is a business proposition, and we can depend upon it that the Conference which is to meet next week in Toronto will consider it in a business-like way and devoid of party feeling.

The improvement of the steamship service between Canada and the United Kingdom is a question of scarcely less importance, particularly in view of the recent steamship amalgamation, engineered by Mr. Pierpont Morgan; in fact, the whole transportation question needs to be considered, for it is of more importance than even tariff arrangements. Canada is, at present, sadly handicapped, both in regard to railway and steamship transportation, and it is to be hoped that the Conferenee will be able to give this subject all the attention it deserves. Even if it meets and does nothing else but aid in the solution of the transportation question, it will have by no means met in vain.

In regard to a commercial agent in London with a depot there as well, Sir Wilfrid Laurier has already promised that something shall be done, but Governments move slowly, and it is to be hoped that the Conference will take such action as will hasten the consummation of this idea. It is several years since the agitation was started, but, thanks largely to the inaction of Sir Richard Cartwright, the appointment has not yet been made.

It is to be hoped that this conference of business men will not be the last of its kind, but that it may be the forerunner of annual similar gatherings. The business men of this country have not, in the past, exercised the influence in the commercial affairs of the State that they should have. It is to be hoped, therefore, that we are now on the dawn of a new era in this respect.

The looser a merchant is with his credit the tighter will his creditors be in their dealings with him.

CANADIAN - NEW ZEALAND TRADE.

A GENTLEMAN from New Zealand, who was in Toronto this week, expressed himself in favor of larger trade between Canada and his country. "We will favor trade with Canada, if it should cost us a little more," he said. This is a sentiment in which Canada no doubt reciprocates.

Our own official returns do not show the volume of business between Canada and New Zealand, our exports to that country being classified with those of Australia, under the name of Australasia, and the latest returns that we have, from a New Zealand source, are only up to 1900. These show that the aggregate trade of New Zealand with Canada was valued at $201,-713. Of this $1,397 were exports to Canada and $200,336 were imports from Canada. It will thus be seen that the aggregate trade is not only small, but that our sales to New Zealand, small as they are, are a great deal in excess of our purchases from them.

The population of New Zealand, according to the last census, was about 823,000, while the total foreign trade of the country in 1900 was $116,275,651. Of this $64,-464,651 were exports, and $51,811,000 imports.

New Zealand is one of the most progressive and enterprising of the British colonies, and it is to be hoped that trade between the two countries will develop a great deal more in the future than it has in the past.

The wise merchant has learned that he has got to spend money on his business as well as on his wife if he is to have peace of mind.

AN ENGLISH HARDWAREMAN'S VIEWS.

MR. J. N. GREENALL, a prominent hardwareman of Nottingham, Eng., was recently on a trip to Canada and the United States, and on his return expressed himself in an interview appearing in The Ironmonger as well pleased with his tour. The business and social status of the hardwareman in Canada and the United States he was surprised to find much higher than in England. He was convinced that shop management in America is far ahead of that of Great Britain. A revelation to him was the amount of system prevailing in the management of a store in the United States and Canada and he found the status of clerks and other assistants to be high. They all seemed to him to be superior, well educated men enjoying the confidence of their employers and were paid much higher salaries than the English assistant usually received.

Mr. Greenall was rather surprised at the important part which trade-literature plays in the American hardware business. Not only are the trade-papers read diligently as a matter of course, but few stores are without a number of the elaborate handbooks published by those papers, and dealing with ironmongery, heating and ventilating, and electrical work. These publications are bought and read by all who are interested. Mr. Greenall thinks the American hardwareman owes much of his smartness to his systematic reading of trade-literature.

During his trip Mr. Greenall had heard no complaints of underselling. He found that United States and Canadian hardwaremen did not deal in so many goods as English ironmongers, and there was less overlapping of trades.

The cutlery used in America somewhat disgusted Mr. Greenall, as it does all visitors familiar with ivory-handled Sheffield table knives. Although having plated blades, most of the table cutlery used in the United States is common, badly finished and ugly, much of it hafted in earthenware and solid steel. Moreover, the same patterns are to be seen in the dwelling of the artisan and the millionaire, and in hotels of all grades. The best carvers and expensive pocket-knives come from Sheffield. Mr. Greenall also prefers British plate to American.

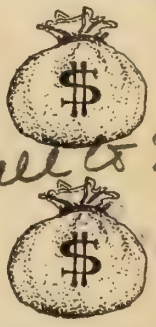
Mr. Greenall did not think much of New York as a place to live in. The hurry-scurry, the noisy train and overhead railways, the very high prices of everything and the absence of comfort or repose he did not like.

Canada was much more to his taste. He noticed throughout the Dominion that the United States were shouldering Great Britain out of the markets in all kinds of builders' goods, although Sheffield's position in plate and cutlery had scarcely been shaken by her great rival.



Metalastic

The new trade mark name of THE SHERWIN-WILLIAMS CO.'S paint for metal surfaces.



THE PROFITS OF S.-W.P.

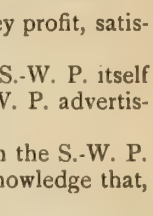
There are three kinds of profit in selling S.-W. P., money profit, satisfaction profit, and reputation profit.

There's money profit through the paint business that S.-W. P. itself brings, and through the increased general business that S.-W. P. advertising and methods always secure.

There's satisfaction profit through the perfect satisfaction the S.-W. P. dealer is able to insure to his customers, and through the knowledge that, if rightly used, the paint will never go wrong.

There's reputation profit through the good name of S.-W. P., through its absolute certainty to do good work, through its high quality, through its spreading capacity, through its long wear, through the way it saves money for the property owner, and the satisfaction it gives him.

Isn't that the kind of paint you want to sell? Isn't it the kind it pays to sell? The "B-13" booklet tells all about S.-W. P. profits. Write for it to-day.





THE SHERWIN-WILLIAMS CO.

PAINT AND VARNISH MAKERS.

CLEVELAND.

CHICAGO, NEW YORK, NEWARK, MONTREAL, BOSTON, TORONTO, SAN FRANCISCO. KANSAS CITY



REPEAT ORDERS FOR SHELF BOXES

J. S. Bennett's patent shelf boxes are rapidly growing in favor. His customers are much pleased with them and large numbers of repeat orders have been received. He has just obtained an order for 212 of these boxes from Cote, Boivin & Co., Chicoutimi, Que., who stipulated that they should be like the last boxes he sent them. This is an excellent testimonial. Prices can be obtained from J. S. Bennett, Toronto.

HARDWARE ASSOCIATION MEET.

The Toronto Branch of the Ontario Hardware Merchants' Association held a special meeting in the rooms of the Retail Merchants' Association of Canada, Bay street, Toronto, on Tuesday, May 27. The chief business was the discussion of a proposition to amalgamate with the Retail Merchants' Association. This will be brought up before the next meeting of the Hardware Merchants' Association to be held on June 19 and definitely settled.

CANADIAN PIG IRON.

ONE of the furnaces of The Dominion Iron and Steel Co. at Sydney, C.B., has been altered materially in the design, and also relined, with results very gratifying to the company. The vice-president, Mr. James Ross, said that this furnace had turned out, after the change was made, about 2,000 tons of the best quality of pig iron in a week. Another furnace is being changed in the same way. It will be ready in the course of three weeks or so, and, in all probability, will be able to produce the same amount of iron.

The demand for pig iron made at Sydney has been good, and indications are that it will be an important factor in the pig iron supplies of this continent before long.

The trade in Canadian pig iron with Scotland is already of fair dimensions, and is attracting a good deal of notice from manufacturers there. The Canadian agent at Glasgow, in his report to the Minister of Trade and Commerce, says: "The importation of pig iron from the Dominion to the Clyde has created quite a sensation. Fifty-three thousand tons were discharged during the year and three or four cargoes are now on the way. The iron serves the same purpose as Scotch or English foundry iron, and is principally used by foundries; some of it, however, is used by pipe and malleable iron manufacturers."

NEW ONTARIO IRON ORE.

"WHILE it may be possible that on account of glacial erosion the product of high-grade ore in Canada may be less than in districts of similar size and geological position on the United States side of the boundary," says Mr. C. R. Van Hise in a report on the Lake Superior ore region to the United States Geological Survey, "it cannot be doubted that in the future important quantities of iron ore will be exploited in the Canadian Lake Superior region. Doubtless, also, this exploitation would have begun many years ago were it not for the duty which ores mined in Canada must pay when entering the United States."

The Vermilion iron-bearing series has been traced to Hunter's Island. Thence these rocks have been mapped by the Canadian Survey as extending first in a northeasterly and then in an easterly direction to the Kaministiquia River, and thence eastward to the Kenecnawan rocks west of Lake Nipigon. Another great belt of iron-bearing rocks with various ramifications has been traced by the Canadian Survey from Rainy Lake eastward to the Canadian Pacific Railway and to Lac des Mille Lacs. In this belt occurs the so-called Atikokan Range, in which large deposits of iron ore are said to outcrop.

East and north of the east half of Lake Superior various areas of iron-bearing rocks are also found. One or more belts are said to extend east from Lake Nipigon. A belt is found adjacent to the Black and Pic rivers. Several belts of iron-bearing formation have been found in the Michipicoton district.

At the present time the only one of these districts which is an ore producer is the Michipicoton. While this district has not been connected areally and structurally with any other area in the Lake Superior region, the likeness in the character of its rocks and its succession to the Vermilion district leaves little doubt that the two districts are in most essential points parallel. In the Michipicoton district the basement rock is a greenstone, showing the ellipsoidal structure on the great scale so characteristic of the Ely greenstone of the Vermilion district. It contains substantially all the varieties of material in the iron formation of the Vermilion district, and in addition great quantities of pyritic quartz rock. On the bluff back of the Helen mine and at many other places iron carbonate is abundant. Near the Helen mine, Mr. Merriam reports this carbonate as containing 19 to 37 per cent. of metallic iron. These abundant cherty carbonates leave little doubt that the ferruginous cherts, ferruginous slates, jaspers and iron ores have mainly developed from a carbonate as the original rock, precisely as in the various districts south of Lake Superior. However, it is clear that the pyrite of the carbonates and the pyritic quartz rocks have also made contributions. At the present time the iron formation has been developed only at the Helen mine. Here, a good body of high-grade hematite has been shown by stripping to extend in considerable areas to the rock surface.—Bradstreets.

"Honest Cycles at Honest Prices."

"THREE OF A KIND" THAT BEAT ALL, Major Taylor, Harry Elkes, Nat. Butler

THEY RIDE THE

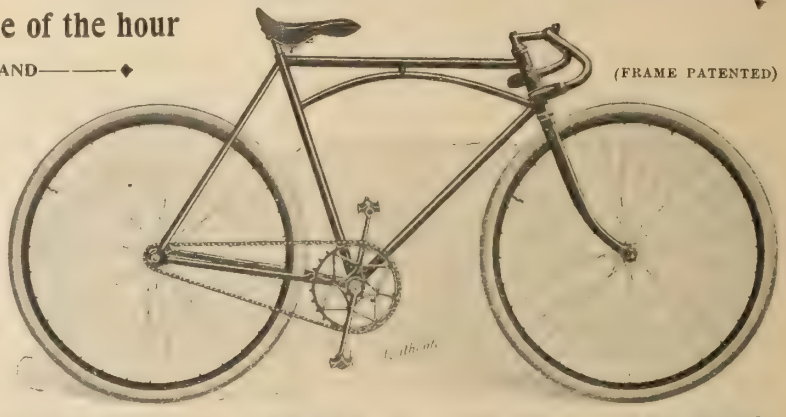
Iver Johnson Truss Frame

The Bicycle of the hour

AND

The distinctive Cycle of the future.

Send for catalogue and agency particulars.



(FRAME PATENTED)

IVER JOHNSON'S ARMS & CYCLE WORKS,

New York Salesroom: 99 Chambers St. FITCHBURG, MASS.

CONDENSED OR "WANT" ADVERTISEMENTS.

Advertisements under this heading, 2c. a word each insertion; cash in advance. Letters, figures, and abbreviations each count as one word in estimating cost.

SALESMEN WANTED.

WANTED—A few first-class salesmen to travel in American and Canadian territory, also some parts of Europe. Apply with references to Syracuse Smelting Works, Montreal.

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY, MONTREAL.

Sealed tenders, addressed to the undersigned, and endorsed "Tender for Post Office, Clinton," will be received at this office until Tuesday, 3rd June next, inclusively, for the erection of a Post Office, at Clinton, Ont., according to plans and specifications to be seen at the Department of Public Works, Ottawa, and on application to the Macpherson & Hovey Co., Clinton.

Tenders will not be considered unless made on the form supplied, and signed with the actual signatures of the tenderers.

An accepted cheque on a chartered bank payable to the order of the Minister of Public Works, equal to ten per cent. (10 p.c.) of the amount of tender, must accompany each tender. The cheque will be forfeited if the party decline the contract or fail to complete the work contracted for, and will be returned in case of non acceptance of tender.

The Department does not bind itself to accept the lowest or any tender.

By order,

FRED. GELINAS,
Secretary.

Department of Public Works, Ottawa, 12th May 1902

Newspapers inserting this advertisement without authority from the Department will not be paid for it.

Persons addressing advertisers will kindly mention having seen their advertisement in The Canadian Hardware and Metal Merchant.

The Grey and Bruce Portland Cement Company of Shallow Lake, Limited,

Manufacturers of

"HERCULES" BRAND OF

Portland Cement

Unsurpassed for Sidewalks, Floors, and all work requiring the Highest Grade of Portland Cement.

HEAD OFFICE: OWEN SOUND.

Buy the Best.



HERCULES

Sash Cord.

Star Brand Cotton Rope

Star Brand Cotton Clothes Lines

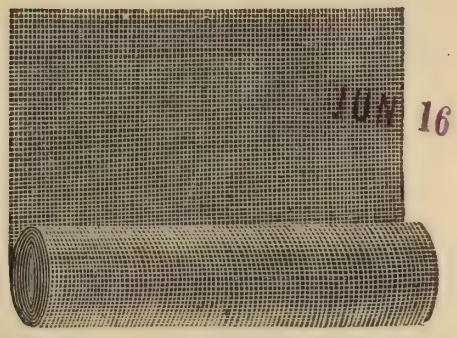
Star Brand Cotton Twine

For Sale by all Wholesale Dealers

H. S. HOWLAND, SONS & CO.

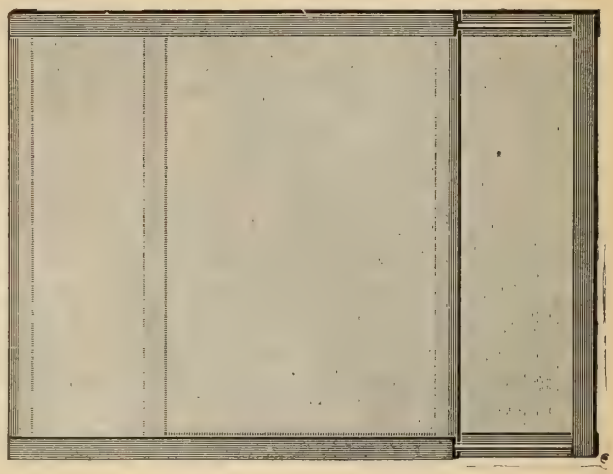
WHOLESALE ONLY — 37-39 Front Street West, **Toronto.** — ONLY WHOLESALE

GREEN WOVE WIRE.



Width, inches—18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 42.
In Rolls of 50 feet.

WINDOW SCREENS.



"PEERLESS" ICE CHIPPERS.



Made of solid piece of steel.

It chips the ice properly and rapidly, saving time, ice and temper, good also for soda fountains, bars and restaurants.

"PERFECTION."

No. 8—14	inches	high,	extends	14 to 22 inches.
1—18	"	"	"	13 to 20 "
8½—18	"	"	"	14 to 22 "
9—18	"	"	"	18 to 28½ "
10—18	"	"	"	20 to 33 "
11—18	"	"	"	22 to 36½ "
12—18	"	"	"	24 to 40 "
12½—22	"	"	"	24 to 40 "
13—22	"	"	"	26 to 44½ "

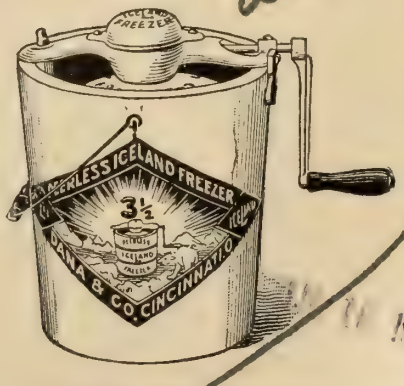
ICE CREAM FREEZERS.



"FREZO" FREEZERS.

Quarts—1, 2, 3, 4, 6.

The **"Frezo"** Freezer (one motion) makes Ice Cream in **four minutes**



"PEERLESS" FREEZERS.

"Peerless"—1, 2, 3, 4, 6, 8, 10, 12, 16, 20, 25 quarts.
" Complete with Fly Wheels, 16, 20 and 25 quarts.
"Peerless" Toy Freezer, 1 pint.

The **"Peerless"** Freezer (one motion). It is the simplest freezer made; makes smooth, delicious Ice Cream in **three minutes.**

FOR OTHER LINES SEE OUR HARDWARE CATALOGUE.

H. S. HOWLAND, SONS & CO., Toronto.

WE SHIP PROMPTLY — **Graham Nails are the Best.** — OUR PRICES ARE RIGHT

Factory: Dufferin Street, Toronto.

NOVA SCOTIAN COAL SHIPMENTS.

FOR the month of April, 1902, the total output and shipments of the Dominion Coal Company amounted to 174,008 tons, as compared with 126,689 tons for April of 1901, an increase of 47,319 tons. The shipments to the United States for April, 1902, were 60,117 tons, as compared with 50,920 for the same month last year, a gain of 9,197 tons. There was an increase of 85,116 tons in the shipments of coal to the United States for the first four months of this year over the first four months of 1901, the figures being 275,120 tons for that period in 1902, and 190,004 for the same period in 1901. There was also an increase of 161,005 tons in the total shipments for the first four months of 1902, over the first four months of 1901, the exact figures being 650,169 tons for that period, 1902, and 489,164 for the same months, 1901.

An increase of 2,894 tons took place in the shipments of the Cumberland Railway and Coal Co. for the month of April, 1902, over the same month of 1901, the figures being 32,966 and 30,072 tons respectively. There was a decrease, however, in the shipments of the first four months of this year, as compared with the same four months last year, the shipments being 118,692 tons for 1902 and 121,036 tons for 1901, a difference of 2,344 tons.

The Acadia Coal Co. shipped 16,748 tons in April 1902 and 17,871 tons in April 1901, a decrease of 1,123 tons, and the shipments of this company for the first four months of this year show a decline of 7,419 tons, the figures being 64,686 tons for the first four months of 1902 and 72,105 tons the same period the year before.

There is also a decrease in the shipments of The Intercolonial Coal Co. For April, 1902, as compared with April, 1901, the figures are 11,235 and 15,487 tons respectively, and the decrease 4,252 tons, while for the first four months of 1902 the total shipments were 52,848 tons, and for the same time 1901 they were 57,580 tons. This is a decrease of 4,732 tons.

On the other hand, the shipments of The Nova Scotia Steel and Coal Co. for April, 1902, show a gain of 4,116 tons over April, 1901, the figures being 15,761 and 11,645 tons respectively. The shipments for the first four months of this year amount to 59,270 tons, and for the same time last year 51,111, an increase of 8,159 tons.

MACHINERY AND ELECTRICAL NOTES.

The Jones & Moore Co., electric supplies, are shipping a 1,000-light dynamo and plant to Owen Sound, Ont., for the Balmy Beach Summer Resort there of the Owen Sound and Georgian Bay Park and Summer Resort Co., and a 30-kilowatt motor for the Sun Portland Cement Co., Owen Sound. They are also busy on a number of other orders.

The McLachlan-Joy Electric Co., Limited, and the McLachlan Gasoline Engine Co., Limited, are removing from 115 Bay street to premises on 201 Queen street east. They are installing new and up-to-date machinery in their new quarters and are making ready to do a large amount of work. At present the electrical company is rebuilding a 30 h. p. dynamo for The Elias Rogers Co.

A carload of gasoline engines is being shipped to the Manitoba agent of the McLachlan Gasoline Engine Co., Limited, at Winnipeg, and will be shipped from there to the various firms in that Province from whom he has already secured orders.

DOMINION STEEL CO.

The articles of amalgamation between the Dominion Iron and Steel Co. and the Dominion Coal Co. have been modified in several important particulars. A meeting of the shareholders has been called for June 12 to ratify the changes. Valuable concessions have been made to the iron and steel company, which will thus be relieved from the payment of some $2,000,000, representing its original obligations under the option to discharge all the debts and liabilities of the coal company. The cash deposit of $600,000 originally intended is also dispensed with. The most important concession, however, is probably that relating to the royalty to be paid by the steel company on the coal output. The old contract provided for a royalty of 15c. per ton on every ton over 3 500,000 tons in any one year. Under the concession granted by the directors, the royalty will be 7½c. a ton, a saving of $75,000 on every million tons in excess of three and a half. It is anticipated that this will mean $150,000 a year in the near future.

DEATH OF A HARDWAREMAN.

A prominent hardwareman passed away at Carleton Place, Ont., in the person of W. R. Gardner, a former well-known resident of Brockville. His death was not unexpected as he had been ailing for some time.

Mr. Gardner was brought up in the hardware trade and for years conducted a successful hardware business at Carleton Place. He afterwards removed to Brockville and established the Gardner Tool Works there. These have since been merged into the business of the James Smart Manufacturing Co., Limited. He was for some years engaged in the same line of manufacturing at Sherbrooke, Que., after he gave up business in Brockville. He took an active interest in public affairs and was a member of the Brockville Town Council at one time.

PERSONAL MENTION.

Mr. W. H. Evans, of the Canada Paint Co., Montreal, spent a couple of days in Toronto this week "doing" the races, as well as a little business.

Mr. C. C. Ballantyne, manager of the Montreal branch of the Sherwin Williams Co., was in Toronto on Thursday in conference with Mr. John Benson, manager of the firm's Toronto branch.

CHANGE IN A VANCOUVER FIRM.

Mr. Wm. Vallance, of Wood, Vallance & Co., Hamilton, is in Vancouver inspecting the branch business which his firm is opening up there. Wood, Vallance & Co. are taking over the wholesale and retail hardware business of Thomas Dunn & Co., in Vancouver, the firm name of which will become Wood, Vallance & Legget.

CATALOGUES, BOOKLETS, ETC.

ICE CHIPPERS AND BREAKERS

The North Bros. Manufacturing Co., Philadelphia, manufacturers of hardware specialties are sending out circulars descriptive of their "Crown" and "Lightning" ice chippers and their "Rapid" ice breakers. These are new machines calculated to meet the wants of a large number of people. The "Lightning" ice chipper is made in two styles, one for the use of the family, and the other for confectioners, hotels and restaurants. The "Rapid" ice breaker is durably and substantially built, is for breaking ice in small pieces, and arranged for both hand and power.

HARDWARE TRADE DIRECTORY.

A trade directory issued by The Iron Age, New York, is being sent to each of that paper's subscribers. The directory is complete in everything pertaining to the hardware trade, and will be found most serviceable by all dealers, with every one of whom the question often arises, "Where can I procure such and such goods?" Every imaginable article that hardwaremen, plumbers, machinists, or those in other kindred occupations could require is classified in this book, in alphabetical order, followed by the different firms who can supply such to the trade. The book is bound in a strong linen cover, and is clearly printed. To non-subscribers of The Iron Age the price is 25c.

WIRE NAILS
TACKS
WIRE

Prompt Shipment.

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

WINDOW GLASS —TO IMPORT.

Prompt Deliveries

EVERY KIND OF PLATE AND WINDOW GLASS IN STOCK.

BEST GLASS of all kinds, our own manufacture. Closest Prices.

TORONTO PLATE GLASS IMPORTING CO.,

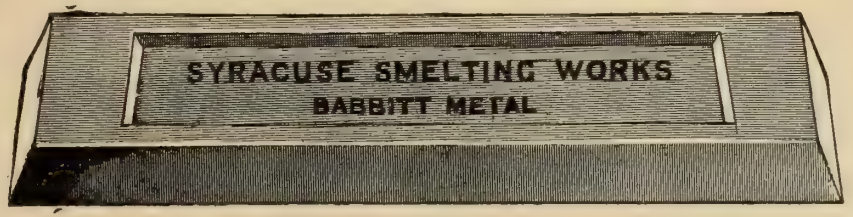
Hill & Rutherford

Warerooms and Offices—135 to 143 Victoria St.
Bending Works—209 to 213 Victoria St.

TORONTO

Use Syracuse Babbitt Metal

IT IS THE BEST MADE.



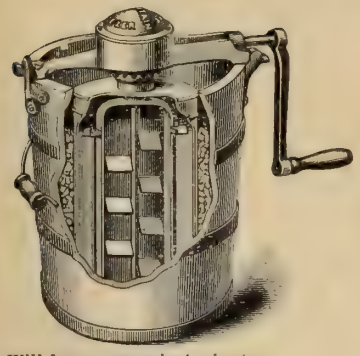
For Paper and Pulp Mills, Saw and Wood Working Machinery, Cotton and Silk Mills, Dynamos, Marine Engines, and all kinds of Machinery Bearings.

Wire, Triangular and Bar Solder, Pig Tin, Lead, Ingot Copper, Ingot Brass, Antimony, Aluminum, Bismuth, Zinc Spelter, Phosphor Tin, Phosphor Bronze, Nickle, etc., always in stock.

Canadian Works, Montreal, P.Q.
American Works, Syracuse, N.Y.
Head Office American Works, 94 Gold Street, New York.

Syracuse Smelting Works

It Pays the Dealer



Will freeze cream in 4 minutes.

TO HANDLE THE

White Mountain Freezer

BECAUSE

It is the best acting, best looking, strongest, most durable and best selling freezer manufactured.

There is not a weak point about it or a waste part to it.

It embraces all the good features to be found in all other freezers, and many more besides that are peculiar to itself.

SOLE AGENTS FOR CANADA:

THE McCLARY MANUFACTURING CO.,

London, Toronto, Montreal, Winnipeg, Vancouver, St. John, N.B.

CORDAGE

ALL KINDS AND FOR ALL PURPOSES.

Manila Rope	Lathyarn
Sisal Rope	Shingleyarn
Jute Rope	Bale Rope
Russian Rope	Lariat Rope
Marline	Hemp Packing
Houseline	Italian Packing
Hambroline	Jute Packing
Clotheslines	Drilling Cables
Tarred Hemp Rope	Spunyarn
White Hemp Rope	Pulp Cord
Bolt Rope	Lobster Marlin
Hide Rope	Paper Cord
Halyards	Cheese Cord
Deep Sealine	Hay Rope
Ratline	Fish Cord
Plow Lines	Sand Lines

"RED THREAD" Transmission Rope from the finest quality Manila hemp obtainable, laid in tallow.

CONSUMERS CORDAGE COMPANY, Limited

Western Ontario Representative—
WM. B. STEWART,
Tel 94. 27 Front St. West, TORONTO.

MONTREAL, QUE.

MACHINERY AND ELECTRICAL SUPPLY DEPARTMENT

AMERICAN AND BRITISH LOCOMOTIVES IN EGYPT.

ACTING under instructions from the British Foreign Office, Lord Cromer has sent a report on the comparative merits of British, Belgian and American locomotives in Egypt, which is accompanied by technical observations by Major Johnston, President of the Railway Board, and T. H. Trevithick, chief engineer. That the report is an impartial one must be taken for granted, as the tests upon which it is based are signed by a representative of the Egyptian railroads, and also by a representative of the Baldwin Locomotive Works, the makers of the American engines. Between 1895 and 1897, the great increase in the length and traffic of the Egyptian railways made it urgently necessary to order some 70 new engines. Among the tenders presented was that of the Baldwin Works, who offered 20 engines in 12 weeks. This was accepted, as were also tenders for 50 engines by one British and four Belgian firms.

The report is of the greatest interest, first, because of the evident fairness as stated above, of the tests and impartiality of the report; and secondly, because it brings out very clearly both the advantages and disadvantages under which the locomotive industry of this country labors in its competition for foreign orders. The report is both favorable and unfavorable to the American locomotive. On the score of cheap first cost and speed of delivery we are easily ahead of British builders, while on the score of economy of operation, the consumption of fuel, etc., the American locomotive design seems to be unable to compete with the English engines. On the question of price, where the tenders were based upon Egyptian standard designs and specifications, the figures stood thus: In one tender the British figure was $11,200 and the Baldwin, $13,500; and on another tender the British price was $16,250, as against a tender of $17,875 from Baldwin. "On the other hand," Lord Cromer adds, "the Americans offered to supply engines differing in certain particulars from the Egyptian designs and specifications, but which they held to be of equal power and equally suitable to the work which had to be performed. Under these conditions the American prices fall respectively to $9,275 and $12,375. That is to say, 19 per cent. below British figures. The reason for this great fall in price is sufficiently obvious; they were able to introduce their stock standards and to advance work continuously without being hampered by, to them, unknown and unnecessary conditions. It appears, however, that it is not so much in the matter of price as in respect to the period required for the construction that the American manufacturers have had the greatest advantage. When British and American firms entered into competition, the former offered to complete the orders in 48 and 90 weeks, respectively. While the American offers, on the other hand, were for delivery in 18 and 35 weeks if the Egyptian designs were followed, or in 12 to 30 weeks if certain changes in the designs were allowed."

In the competitive tests, however, the advantages lay decidedly with the British engine. In the freight trials, three British and two Baldwin engines competed, and each group made eight runs of 1,034 miles. The American engine hauled an average of 54 cars, weighing 760 tons, and the British engines an average of 57 cars, weighing 868 tons. Doing this work the American engines consumed 62 lb. of coal per mile, the British engines, 49.4 lb. of coal per mile, while the American engines evaporated 7.78 lb. of water per pound of coal, and the British 9.1 lb. Mr. Machesney, the Baldwin's representative, and Mr. Higginson, the English representative, both signed the log at the end of each run. The coal was weighed and put on the tender in the presence of the two representatives, and what was left after the runs were completed, was also weighed in their presence. In the trials of the passenger engines nine runs were made by six American engines and two British engines, in which the average number of cars per train was 13 and 1,345 miles was the distance run. In doing this work the American engines burned 46.3 lb. of coal per mile and evaporated 6.36 lb. of water per pound of coal, while the British engines burned 30.7 lb. of coal per mile and evaporated 8.2 lb. of water per lb. of coal. The inferior efficiency shown by the American engines in these most interesting tests was certainly remarkable. Major Johnston attributes it to the following causes: Greater cylinder condensation, because of the greater exposure of the outside cylinders; increased twisting strains due to the outside cylinders; transverse strains on the coupling and connecting rods causing increased friction, due to the flexibility of the engine frame; increased friction due to the comparatively short eccentric rods and the use of intermediate rocking levers; whereas in the British type, the valve rod is directly attached to the expansion link. On the other hand, he points out the following advantages possessed by the American over the English type, and expresses surprise that they do not counterbalance more fully the disadvantages named: First, the balanced slide valves, which greatly reduce valve friction; and, secondly, the more perfect regulation of the steam, owing to the elaborate rack sectors provided.

We think it is probable that the high efficiency of the English locomotive is to be found in this case rather in the boiler than in the engine; although, no doubt, the points in the construction mentioned above have an appreciable effect. The plate frame permits the use of a firebox five inches wider than can be built within the bar frame; while the copper fire box and brass tubes of the English engines undoubtedly serve as better conductors of the heat than the ordinary steel type.

These results coming so soon after the report given by the Midland Railway, in which a similar economy was shown by English over American engines doing the same work, will attract considerable attention from locomotive builders in this country, and we would like to hear them give their own version of the great difference between the two types.—Scientific American.

NEW AGRICULTURAL IMPLEMENT COMPANY.

A company has been formed to manufacture agricultural implements at Winnipeg. It will be known as The Western Implement Manufacturing Co., and it is capitalized at $60,000. A charter has been applied for, machinery will be secured, and work on the erection of a manufacturing plant will be commenced immediately. The provisional directors are as follows: Robert Muir, E. L. Drewry, F. Atchison, Ald. Barclay, James McDiarmid and W. A. Black. The secretary is F. J. C. Cox.

JONAS & COLVER CO.

Sheffield, England Limited

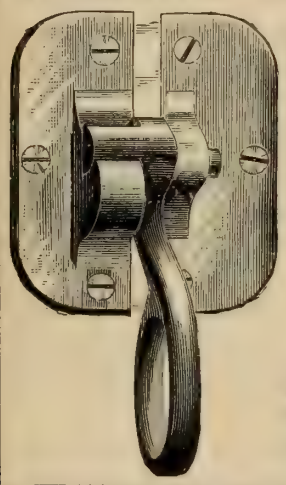
"NOVO" STEEL—air-hardening

WILLIAM ABBOTT, Agent.

13 St. John Street, MONTREAL.

P. J. CONROY, Manufacturer of

REFRIGERATOR HARDWARE

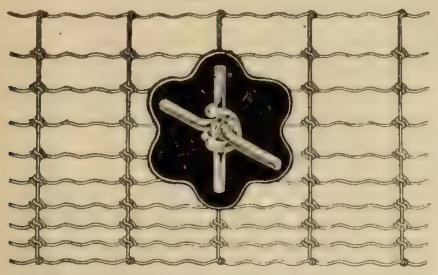


Paschall Station, Phila., Pa.

The "Conroy" Refrigerator Door Fastener.

IDEAL WOVEN WIRE FENCING

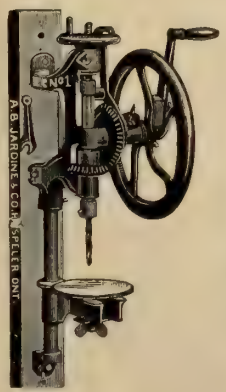
Complete in the roll. A heavy one-piece stay that will not buckle up and cannot slip. Note the lock. No. 9 hard spring wire throughout. A fence that **will last.**



The McGregor, Banwell Fence Co., Limited

WINDSOR, ONT.

COILED SPRING AND OTHER FENCE WIRES.



TRADE MARK J REGISTERED

Blacksmiths' Hand Drills.

The very best.

A. B. JARDINE & CO.

HESPELER, ONT.

DIAMOND EXTENSION STOVE BACK

They are easily adjusted and fitted to a stove by any one.

Please your customers by supplying them immediately with what they want.

Patented, July 11th, 1893. Canadian Patent, June 14th, 1894.



EXTENDED.

Sold by Jobbers of . . .

Hardware Tinware and Stoves.

Manufactured by THE ADAMS COMPANY, Dubuque, Iowa, U.S.A.

" " **A. R. WOODYATT & CO., Guelph, Ontario.**

"The Peerless"

is the best Bolster Spring ever produced. A fine line for the hardware trade. Write Us For Prices.



James Warnock & Co. = Galt, Ont.

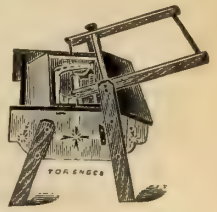


"DAISY" CHURN

Has tempered steel cased bicycle ball bearings, strongest, neatest and most convenient frame. Only two bolts to adjust in setting up. Steel Bow Levers, suitable for either a standing or sitting posture. Has four wheels and adjustable feet to hold stand steady while churning. When churn is locked to stand the bow can be used as handles to move it about on the front wheels as handy as a baby carriage. Open on both sides to centre, giving free space for pail. Made with wood or steel stands, with Cranks only, or Bow Levers as desired.

Vollmar Perfect Washer

Has a most enviable record. A perfection of its kind—will wash more clothes in less time, do it better and easier, with less wear and tear, than any other machine.



THE Wortman & Ward Mfg. Co., Limited

LONDON, ONT.

Eastern Branch, 60 McGill Street, Montreal, Que.



G. A. Crosby & Co. of Ontario,

SARNIA, ONT. LIMITED

Manufacturers of

Patent Automatic Can Making Machinery, Presses, Dies and Special Machinery for Working Sheet Metal

STANYON ENGINEERING CO.

402 McKINNON BUILDING,

Phone Main 2177. TORONTO

CONTRACTING AND CONSULTING ENGINEERS.

Steel Works, all kinds of Rolling Mills, Wire Mills, etc., all built complete. Machinery designed for any purpose.

GENERAL OFFICES, PITTSBURG, Pa.

TRADE IN COUNTRIES OTHER THAN OUR OWN.

PIG IRON IN GREAT BRITAIN.

THERE is a somewhat better feeling to record in the pig iron market, and more business is doing at prices which, in some instances, show an advance upon the values prevailing last week. The downward movement in warrants received a check towards the end of last week, and there has since been a marked recovery, Scotch now standing at 53s. 8½d., and Middlesbrough at 48s. 10d., as compared with 52s. 10½d. and 48s. 2d. respectively at this time last week. Makers' iron is dearer in the Cleveland district, No. 3 having averaged about 48s. 6d.; but hematite has been reduced to 56s. 9d. per ton for mixed numbers. Nothing further of any definite character is heard now of inquiries from the United States; but there is still a good quantity to be despatched thither from Tee-side under previous contracts, and in Glasgow rumours have been in circulation as to sales of special brands of Scotch iron on American account. The following is a statement of the present stocks of pig iron in public stores:

Public stores stocks, in tons:	Wednesday.
Connal's at Glasgow	52,900
Connal's at Middlesbrough	138,500
Connal's at Middlesbrough, hematite	300
West Coast hematite	15,300
N.E.R. Stores, Middlesbrough	360

During the week ending May 13, the stocks at Middlesbrough decreased by 1,800 tons, at Barrow by 50, and at Glasgow by 126 tons. On the year there is a decrease of 730 tons at Middlesbrough, 5,400 tons in Glasgow, and an increase of 350 tons at Barrow. The net charge during the week is a decrease of 2,000 tons, and during the year to date a decrease of 5,780 tons.

BRITISH TINPLATE MARKET.

The market has been fairly steady during the past week, and, taking things all round, prices are well maintained. Common 14 by 20 Bessemer cokes are, perhaps, a shade easier, sales being reported for this and next month's delivery at 13s. 4½d. per box f.o.b. Wales. Current quotations for this size run generally 13s. 6d. to 13s. 9d. per box f.o.b. Wales, with Siemens' steel at 1½d. per box extra, lights at the usual reductions.—Iron and Coal Trades' Review, May 17.

BRITISH STEEL PLATES FOR THE U. S.

It is rumored that a Scotch firm have sold 11,000 tons of steel plates for shipment to America. While the demand for shipbuilding material continues slack on the Clyde, the Scotch steelmakers are all alive to the possibility of a chance trade with America in blooms and other partly-manufactured steel, but they have not counted confidently on being able to get rid of plates and angles or other finished material. The matter is out of their hands, it depends entirely on how the pendulum swings in the States this summer. If the existing energy is sustained the demand must outrun domestic production, and we shall be called in to assist in supplying finished as well as raw material.—Iron and Steel Trades Journal, May 17.

WIRE NAILS IN THE UNITED STATES.

The urgency for wire nails is not so acute as it was a month ago, and manufacturers are catching up with orders. Recent rumors of advance in prices have proved so mythical that the trade evidently do not consider it necessary to buy much in advance of actual requirements. As the jobbing trade have generally disposed of nails bought at low figures, it is becoming a question where to obtain carload business, as jobbers' prices are quite frequently quoted to the retail trade. Otherwise the market is apparently firm.—Iron Age.

LARGE ORDER FOR STEEL RAILS.

The Carnegie Steel Co. has received an order for 30,000 tons of rails from the Cotton Belt Railroad for November and December delivery. This is the largest order that has been taken for some time for this year's delivery, and the rails will no doubt be rolled at the Ohio plant of The National Steel Co. Light rails continue in strong demand and command high prices for prompt shipment.—Iron Trade Review.

NEW YORK METAL MARKET.

COPPER—As indicated several days ago the edge seems to be off of the speculative movement in copper, and while since then the bull interests have succeeded in bidding prices up still further there have been no transactions except for a small sale of electrolytic at the extreme prices. The consuming demand also has slackened as confidence in the stability of the advance waned, and to-day, under heavy offerings of Lake, the market was distinctly weak, though the decline amounted to only a little over ⅛c. The London market instead of responding to the recent upward movement in prices here has shown an opposite tendency for several days under free selling, and closed easy to-night at a further decline of 5s. In the New York market the closing quotations were 11.75c. bid and 12c. asked for standard spot to August delivery, while Lake was freely offered for spot, May and June at 12.62½c. with 12.37½c. bid. July to September deliveries of Lake were offered at 12 60c. with 12.25c. bid. Quotations on spot to September electrolytic were 12.12½c. bid and 12.37½c. asked, and in casting spot to August 12.12½ to 12.25c.

PIG TIN—The London market was easy, spot under realizing sales declining 20s., while futures were quiet and closed but 5s. lower. The cables were without appreciable influence here. There was not very much demand, but buyers and sellers came nearer together and a little business resulted. Of May 5 tons sold at 30c. and a similar quantity at 30.10c. The market closed steady with the last named price bid for spot and May and 30.15c. asked. For June 29 60c. was bid with sellers at 29 90c. The Manitou has sailed from London to New York with 255 tons, making the stock afloat for Atlantic ports at this time 3,637 tons.

PIG LEAD—There is a moderate demand, but the market remains steady with prices based on 4 12½c. for lots of 50 tons or over. St. Louis was reported quiet at 3.95 to 3 97½c. There was no change in the London market.

SPELTER—Extreme scarcity of this metal keeps the market very firm and restricts business. Nominal quotations are $4.75 to $4.87½. The St. Louis market was reported to be unsettled with $4.50 quoted. The London cable reports a decline of 2s. 6d.

REGULUS ANTIMONY — The market was quiet but prices remain steady at 10¼c. for Cookson's, 8 to 8¼c. for Hallett's and 7½ to 8c. for other brands.

QUICKSILVER—The demand is fair and prices are maintained on the basis of $48 for 50 to 100 flasks.

NICKEL—Prices are steady under a fair demand on the basis of 50c. for ton lots.

OLD METALS—There is not much business to record, but the market remains steady.

IRON—The larger buyers of foundry pig iron seem to have completed their purchases for the year, and inquiries for 1903 deliveries are now seldom heard. The furnaces do not seem anxious for business for delivery during the balance of the current year, and some are not offering anything. In the South, a little June delivery iron has sold at $17 for No. 2 at the furnace, but interest in later deliveries seems to have subsided. Pittsburg advices indicate that there is a possibility that the strike of furnacemen on June 1 may be averted. The demand for finished materials continues fairly active. The price of plates has been advanced by individual mills, but, according to some reports, there is no prospect of concerted action in this direction, and it is intimated that the meeting scheduled for June 5 may not be held.—New York Journal of Commerce, May 28.

WORKS: ST. HELENS, ENGLAND, and MAUBEUGE, FRANCE.

Pilkington Brothers, Limited

MANUFACTURERS OF

Polished Plate and Window Glass
Prismatic Rolled and Wired Glass
Plain and Bevelled Mirror Plates
Rolled Plate
Fancy Cathedral
Colored Glass, etc.

DEPOTS:
Busby Lane, Montreal, and Mercer Street, Toronto.

Our Prismatic Glass gives the best results of any Prism Glass on the market. Should be glad to show you our Prismatic Exhibit in our Warerooms.

RICHARD JOHNSON, CLAPHAM & MORRIS, Ld., Manchester AND LIVERPOOL, ENG.

CABLE ADDRESS—"Metallicus," Manchester.
CODES USED—ABC, AI, Liebers and Private Code.

Manufacturers and Metal Merchants

GALV'D SHEETS
GALV'D CANADAS
BLACK SHEET IRON
BLACK CANADAS
Range & Furnace SHEETS

TINPLATES, TERNES
TINNED SHEETS
PIG TIN, PIG LEAD
WIRE NETTING
GALV'D BARB WIRE



WAREHOUSE LEVER STREET

MONTREAL OFFICE:
Messrs. Copland & Co., Imperial Buildings.

HALIFAX OFFICE:
Messrs. Grant, Oxley & Co., 68 Bedford Row.

DAVID MAXWELL & SONS

ST. MARYS, ONT., CANADA.



Steel Frame Churn.

"Maxwell Favorite Churn"

PATENTED FEATURES: Improved Steel Stand, Roller Bearings, and Foot and Hand Lever Drive, and Detachable Driving Link. Improved for season of 1902. Steel or Wood Frame as desired.

Wheelbarrows. In Four different Sizes.

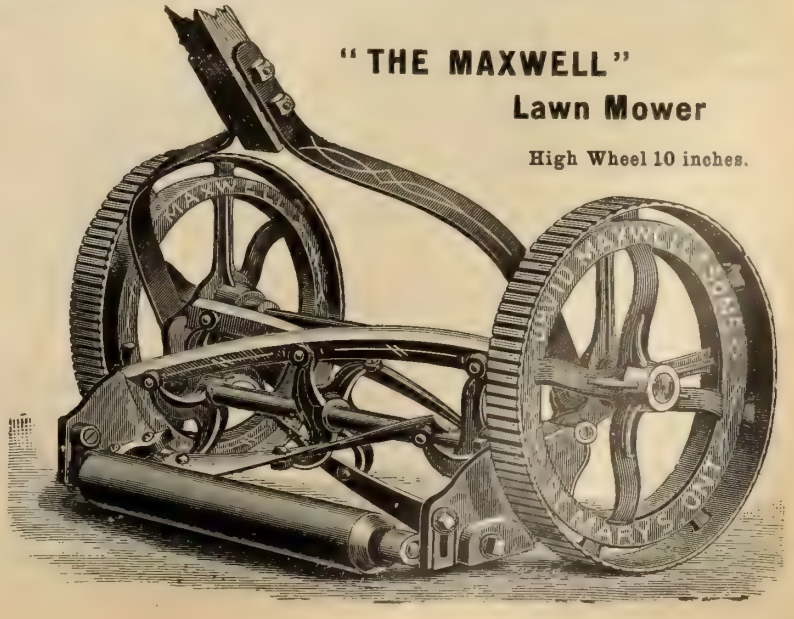
Lawn Mowers. High and Low Wheels. from 12 in. to 20-in, widths. Cold Rolled Steel Shafting, Crucible Steel Knives and Cutting Plate.

If your Wholesale House does not offer you these articles

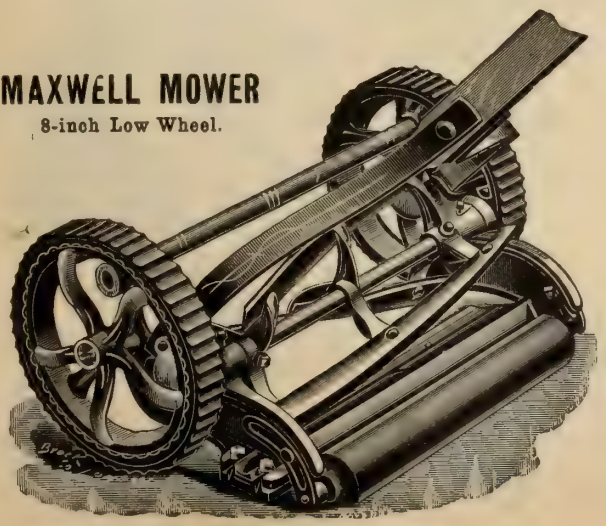
SEND DIRECT TO US.

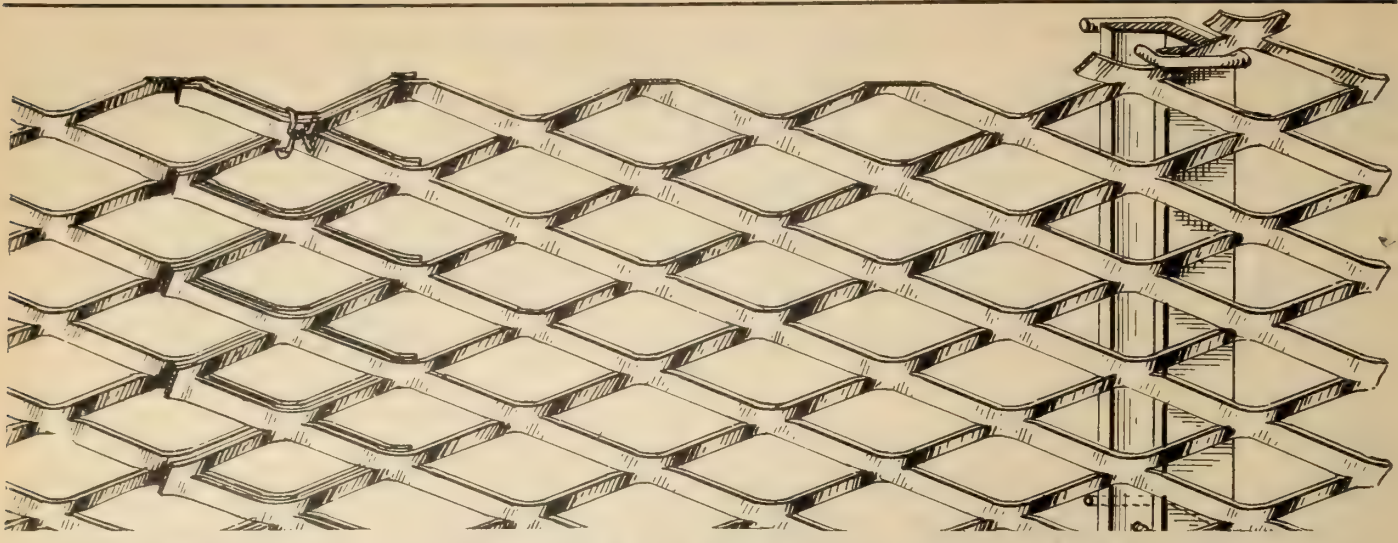
"THE MAXWELL" Lawn Mower

High Wheel 10 inches.



MAXWELL MOWER
8-inch Low Wheel.





Expanded Metal Lath

FOR FIREPROOF PARTITIONS, CORNICES, FALSEWORK.

Cheapest and Best in the Market.

PERFECT KEY.

Write for Prices and Discounts.

EXPANDED METAL & FIREPROOFING CO., Limited, 100 King West, TORONTO

THE LONDON SCALE WORKS

GEORGE M. FOX
(Successor to John Fox.)

Manufacturer of Railroad, Hay and Platform Scales.

91 York Street, LONDON, ONT.

SEED CORN

FIELD VARIETIES ONLY.

ALSO **WHITE BEANS**
IN CARLOTS AND LESS.

Write FRED. B. STEVENS & CO., Chatham, Ont.

PAINTS We manufacture these brands:— "LION," "PEERLESS," "OWL," "RAVEN," also Ready-mixed House and Floor Paints, Roof, Barn, Bridge and Brick Paints, Coach Colors, Varnishes, Japans, etc. Our prices will interest you. Write us.



The Ottawa Paint Works, Ottawa, Ont.

FREE INSURANCE AGAINST FIRE

PLASBESTER

AGENTS WANTED IN EVERY TOWN.

the BEST ASBESTOS WALL PLASTER

Fire Proof
Frost "
Sound "
Will not crack.

LEADER CHURN

New Century Improvements

FOUR DIFFERENT STYLES:

A—Steel Frame with double reversible Steel Lever.
B—Wood Frame with double reversible Steel Lever.
C—Steel Frame with Crank.
D—Wood Frame with Crank.

Styles **A** *and* **B** *may be operated from a sitting or standing position.*

Steel Frames and Hoops beautifully ALUMINIZED.

All LEADER CHURNS are equipped with BICYCLE BALL BEARINGS and PATENTED CREAM BREAKERS.

Stands are so constructed that they are particularly strong and rigid, and there is nothing to interfere with the placing of pail in the most convenient position for draining off buttermilk.



It Pays to Have the Best. None are Better Than the Leader.

THE DOWSWELL MANUFACTURING CO., LIMITED, HAMILTON, ONT.

Eastern Agents: W. L. Haldimand & Son, Montreal, Que.

CUSSIN'—DISCUSSIN'

Dealers may avoid the former and have the satisfaction of hearing their customers discussing in terms of praise the goods that are right.

Always handle the best.

Satisfaction is assured if the Dowswell Manufacturing Co., Limited, are the makers of the goods you sell.



The New Century Washing Machine

This cut illustrates the latest and best machine for washing clothes yet invented

Having strong spiral springs and ball-bearings—the same as used in High-Grade Bicycles—very little effort is needed to do what with other means is hard work.

Nothing so easy—nothing so thorough—nothing less wearing on garments. It is perfection.

A customer says: "It has none but good points."

Another customer says: "It is a darling; washes a tubful in five minutes."

It is the **New Century Washer.**

Every Hardware Dealer should have them. They are not the cheapest, but are sellers, and will do all that is claimed

The operator can positively do the work, and without effort, while seated, and the machine is enclosed, retaining heat and vapor.

The Dowswell Manufacturing Co., Limited,
Sole Manufacturers in Canada. **Hamilton.**

John Bowman

HARDWARE & COAL CO.

LONDON, ONT.

Our stock of goods for the spring trade is now complete, and we can fill all orders promptly on the following lines :

Wire, Nails, Cordage, Window Glass, White Lead, Paints, Whiting, Churns, Linseed Oil, Spades and Shovels, Screen Doors, Wove Wire, Poultry Netting, Builders' Hardware, Guns and Sporting Goods. Finest stock in the Province of Cutlery.

Prompt Shipment. Prices Right.

DOMINION

Wire Manufacturing Co., Limited.

MONTREAL and TORONTO.

WORKS AT **DOMINION,** NEAR MONTREAL.

WIRE OF ALL KINDS AND FOR ALL PURPOSES



...We also Manufacture...

WIRE NAILS, WOOD SCREWS, JACK CHAIN
BRIGHT WIRE GOODS, WIRE DOOR PULLS
"CRESCENT" HAT AND COAT HOOKS
PURE COPPER WIRE FOR ELECTRICAL PURPOSES

Locks and Builders' Hardware.

We have a most complete line of all these goods, including the very newest ideas in

Bronze and Brass Knobs, Door Sets and Escutcheons.

LOCKS AND LATCHES OF ALL KINDS.

Any dealer asking for a catalogue will be sent full prices, discount sheets, etc., etc. Drop a card.

ESTABLISHED 1843. INCORPORATED 1893.

THE Gurney-Tilden Co., LIMITED

Hamilton. Toronto. Montreal.

AGENCIES:—ST. JOHN, N. B., VANCOUVER, B. C.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

Montreal, May 30, 1902.

HARDWARE.

THE business done in hardware during the past week has been particularly good for the season, though it is, of course, much less active than a few weeks ago when the rush of spring shipments gave night and day work to the jobbing houses in order to keep up with the demand. Collections have been fair. The market is in a healthy condition and the prospects for a good season's business are bright. Wholesalers have been considerably inconvienced by the strike of the carters in Montreal, and much delay in delivering goods to the city trade has been caused. Most of the houses are carting their own goods to and from the freight sheds, at an advanced cost. Harvest tools and freezers have been among the most active lines, duplicate orders for the latter having been received in several cases. Cement and firebricks are quoted lower this week.

SCYTHES.—Scythes continue to move actively at steady prices, which are as follows: Lance, No. 80, $5.50; Hurd's Clipper, $6.50; concave, $7.50; Sibley, $8.50; Cradle scythes, cast steel, $8.50; silver steel, $9.50; "Harvest King," $10.50. Bush scythes, $6.50.

BARB WIRE.—There is an active inquiry in this market. Barb wire sells at $3 per 100 lb. f.o.b. Montreal.

GALVANIZED WIRE.—There is a fair demand, and our quotations are as follows: Nos. 6, 7 and 8 gauge, $3.45; No. 9, $2.80; No. 10, $3.55; No. 11, $3.65; No. 12, $2.95; No. 13, $3.05; No. 14, $4.05; No. 15, $4.55; No. 16, $4.80; No. 17, $5.20; No. 18, $5.45.

SMOOTH STEEL WIRE.—The market is fairly active this week. Prices are the same. Our quotations are as follows: Bright iron and annealed on a base of $2.60 per 100 lb. f.o.b. Montreal, Toronto, Halifax, London, Hamilton and St. John. Net extras per 100 lb. are as follows: Coppered wire, 60c.; tinned wire, $2; oiling, 10c.; spring wire, $1.25; best steel wire, 75c.; bright soft drawn, 15c.; special hay-baling wire, 30c.

FINE WIRE.—This market is still somewhat quiet, and the discount remains at 22½ per cent.

BRASS AND COPPER WIRE.—Trade is fair, and the discount is 60 per cent. on both wires.

FENCE STAPLES.—The demand has decreased somewhat, but trade is still quite active. We quote as follows: Bright, $2.90 per 100-lb. keg; galvanized, $3.25. An extra of 25c. is charged for 25 and 50-lb. packages.

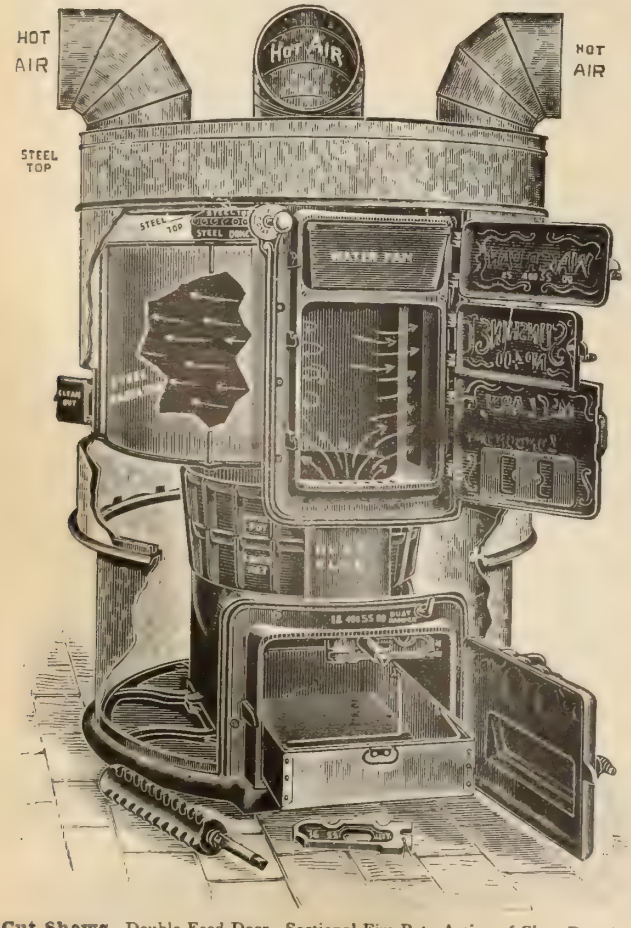
WIRE NAILS.—An active inquiry still keeps up for wire nails, and our quotations are now as follows: $2.55 for small lots and $2.50 for carlots f.o.b. Montreal, London, Hamilton, Toronto, Gananoque, Brantford, Windsor, Ont., St. John and Halifax.

CUT NAILS.—There is a fairly good demand this week. The price is $2.45 per keg in small lots, and in carlots, $2.37½ per keg. The discount on flour barrel and coopers' nails is 40 per cent.

HORSE NAILS.—The market is steady under a moderate demand. Discounts follow: "C" brand, 50 and 7½ per cent. off; "M" brand, for "Oval" and "New City" heads, 60 per cent. off, and for "New Countersunk" heads, 66 2-3 per cent. off. "Monarch" horse nails are also discounted at 66 2-3 per cent.

HORSESHOES.—Prices have not been altered. We quote as follows: Iron shoes, light and medium pattern, No. 2 and larger, $3.50; No. 1 and smaller, $3.75; snow shoes, No. 2 and larger, $3.75; No. 1 and smaller, $4.00; X L steel shoes, all sizes, 1 to 5, No. 2 and larger, $3.60; No. 1 and smaller, $3.85; feather-weight, all sizes, $4.85; toe weight, steel shoes, all sizes, $5.95 f.o.b. Montreal; f.o.b. Hamilton, London and Guelph, 10c. extra.

SCREWS.—The market continues fairly active; the discounts remain unchanged.



Cut Shows—Double Feed Door, Sectional Fire Pot, Action of Fire, Dust Flue, Ash Pan, Water Pan, Section of Grate and How it is Removed, Galvanized Casing with Flat Cap and Pipes off Top.

"SUNSHINE" FURNACE

Made in 4 sizes—19, 21, 23½, 27-inch. Fire Pots, in either Portable or Bricksetting Form.

The "Sunshine" is a money-maker to all who handle it.

BECAUSE— It is sold at a reasonable price.
It is modern in every detail.
It can be set in a very shallow cellar.
It will burn any kind of fuel.
It satisfies every customer.
If you do not handle it, Why not?
We make prompt shipment.

The McClary Manufacturing Co.

"Everything for the Tinshop."

LONDON, TORONTO, MONTREAL, WINNIPEG, VANCOUVER and ST. JOHN, N.B.

ENGLISH
GERMAN
BELGIAN
CANADIAN
AMERICAN
} PORTLAND CEMENTS.

FIRE
BUILDING
ENAMELLED
SILICA
MAGNESIA
} BRICKS.

DRAIN
CULVERT
} PIPES.

F. HYDE & CO.
31 WELLINGTON ST., MONTREAL

. . FULL STOCK . .
Salt Glazed Vitrified


Double Strength Culvert Pipe a Specialty.
THE CANADIAN SEWER PIPE CO.
HAMILTON, ONT. TORONTO, ONT.
ST. JOHNS, QUE.

Deseronto Iron Co.
LIMITED
DESERONTO, ONT.
Manufacturers of
CHARCOAL PIG IRON
BRAND "DESERONTO."
Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

"MIDLAND"
BRAND
Foundry Pig Iron.
Made from carefully selected Lake Superior Ores, with Connellsville Coke as fuel, "Midland" will rival in quality and grading the very best of the imported brands.
Write for Prices to Sales Agents
Drummond, McCall & Co.
or to MONTREAL, QUE.
Canada Iron Furnace Co.
MIDLAND, ONT. Limited

as follows: Round head bright, 82½ and 10 per cent.; flat head bright, 87½ and 10 per cent.; brass, round heads, 75 and 10 per cent.; brass, flat heads, 80 and 10 per cent.

BOLTS.—The demand for bolts has kept well up in all lines, and all houses report a good business. There has been no change in the discounts, which are as follows: Norway carriage bolts, 55 per cent.; common, 50 per cent.; full square carriage bolts, 55 per cent.; machine bolts, 50 and 5 per cent.; coach screws, 66 2-3 per cent.; sleigh shoe bolts, 65 and 5 per cent.; blank bolts, 50 and 5 per cent.; bolt ends, 50 and 5 per cent.; plough bolts, 50 and 5 per cent. To any retailer an extra discount of 10 per cent. is allowed. Tire bolts, 67½ per cent.; stove bolts, 67½ per cent. Nuts, square, 3¼ per lb. off list; hexagon nuts, 3¾c. per lb. off list. To all retailers an extra discount of ¼c. per lb. is allowed.

BUILDING PAPER.—A great many deliveries are in progress, and the inquiry continues active. No change in the price is quoted. One house is looking for an advance shortly. Quotations follow: Tarred felt, $1.70 per 100 lb.; 2-ply, ready roofing, 85c. per roll; 3-ply, $1.10 per roll; carpet felt, $2.25 per 100 lb.; dry sheathing, 30c. per roll; tar sheathing, 40c. per roll; dry fibre, 50c. per roll; tarred fibre, 60c. per roll; O K and I X L, 65c. per roll; heavy straw sheathing, $30 per ton; slaters' felt, 60c. per roll.

CORDAGE.—Trade during the week has been only fair, and our quotations are now as follows: Manila, 16c.; British manila, 14½c.; sisal, 13c.; lathyarn, 11½c. Prices on binder twine are as follows: Blue Ribbon, 650 feet to the pound, 15c.; Redcat, 600 feet to the pound, 14c.; Tiger, 550 feet to the pound, 13c.; Standard, 500 feet to the pound, 11½c.; sisal, 500 feet to the pound, 11½c. Prices are subject to a rebate of ¼c. in carload lots.

RIVETS AND BURRS.—There has been no change in this market. Trade is moderately good. The discounts are: Best iron rivets, section, carriage, and wagon box, black rivets, tinned do., coopers' rivets and tinned swedes rivets, 60 and 10 per cent.; swedes iron burrs are quoted at 55 per cent. off; copper rivets, with the usual proportion of burrs, 45 and 10 per cent. off, and coppered iron rivets and burrs, in 5-lb. carton boxes, are quoted at 60 and 10 per cent. off list.

SCREEN WIRE CLOTH.—There is still a good demand for this article, and the price is $1.37½ per 100 square feet.

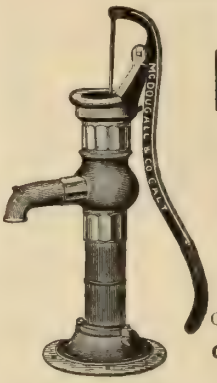
POULTRY NETTING.—The demand has considerably reduced wholesale stocks on some sizes, 16-gauge in particular being reported short with a number of houses. The discounts are: Canadian or English, 2 x 2 mesh, 19 wire, 50 and 10 per cent.; 2 x 2 mesh, heavier wire, 50 per cent. Canadian list used.

HARVEST TOOLS.—A big trade has been done in harvest tools during the past week. The discount remains at 60 per cent.

FIREBRICKS.—The demand for these continues fair. Both Scotch and English cements are quoted lower this week. Scotch is now selling at $17 to $22, and English at $16 to $22 per 1,000.

CEMENT.—The market is quiet. German, English and American cements have been reduced in price by 10c. per barrel. Belgian is unchanged. We quote: German cement, $2.20 to $2.30; English,

A. C. LESLIE & CO.
HEADQUARTERS FOR
WIRE.
WIRE RODS, FENCING WIRE, TELEGRAPH WIRE, SPRING WIRE, COILED WIRE FOR FENCING, WIRE NETTING, WOVEN FENCING, Etc., Etc.
Import Orders for Wholesale Buyers Only.
509-512 Merchants Bank Building,
MONTREAL.

THE R. McDOUGALL CO., Limited,
GALT, ONT.
Manufacturers of

Iron and Brass
PUMPS
FOR ALL SERVICES.
FORCE PUMPS,
LIFT PUMPS,
CISTERN PUMPS,
HAND OR POWER PUMPS
OF ALL KINDS.
Catalogue for the asking.
OUR MOTTO: "The best quality and right prices."

We offer for Prompt Shipment—
Pig Iron,
No. 1 "Carnbroe"
No. 3 "Middlesbro"
Pig Tin,
Straits
Lamb & Flag
Ingot Copper,
"M. & A." and "Lake"
Lead,
Antimony.
ADAM HOPE & CO.
Hamilton, Ont.

NOVA SCOTIA STEEL & COAL CO., Limited
NEW GLASGOW, N.S.
Manufacturers of
Ferrona Pig Iron
And SIEMENS MARTIN
OPEN HEARTH STEEL.



More **Elastilite Varnish**

sold up to date this year than during any previous twelve months since we introduced it. "Reason?" There never has been, there is not now, and we doubt if there ever will be a Varnish put up, either by domestic or foreign makers, equal to ELASTILITE for the same money.

In tins only, from ½-pints to 1 gallon.

MANUFACTURED ONLY BY

The Imperial Varnish & Color Co. LIMITED

Toronto, Ont., Canada.

Canadian Agents for Buehne's "Red, White and Blue" Brand Steel Wool.

The very best reason we can offer for asking you to correspond with us concerning the handling of

"Ark Brand" Paint

is because we have the greater part of Canada covered by our representatives, and they all report to us as having had a very successful year, and perfectly satisfied with the quality of our goods.

If we have not as yet a representative in your town, drop us a card, and we will arrange with you.

"ARK BRAND" IS NOT CHEAP.
"ARK BRAND" IS GOOD VALUE.

THE FRANCIS-FROST C°. Limited
TORONTO.

Canadian Distributing Agents for Grippin's Crack Filler.

$2.15 to $2.25; Belgian, $1.70 to $1.95 per bbl. ex-wharf, and American, $2.10 to $2.20 ex cars.

METALS.

The metal market has been fairly steady all round. The feeling in pig tin continues very strong, and the primary market is advancing. Some changes in the prices of steel have been made, machinery steel having been reduced 10c. and tire steel raised 5c. Toecalk steel is quoted 5c. higher by one house.

PIG IRON.—The market is still firm at prices quoted. Canadian sells for $18.50 to $19, and Summerlee at $21.50 to $22.

BAR IRON.—There is a very good demand for this. Some houses have experienced difficulty in obtaining some of the smaller sizes of bar iron. Merchants' bar is worth $2 and horseshoe iron, $2.20.

BLACK SHEETS.—The demand keeps up, and the market is active. Our quotations are as follows: 28 gauge, $2.65; 26 gauge, $2.60; 20 to 24 gauge, $2.50, and 8 to 20 gauge, $2.50.

GALVANIZED IRON.—A fair business is doing in this line. Quotations are: No. 28, Queen's Head, $4.40; Apollo, 10½ oz., $4.40; Fleur de Lis, $4.15; Comet, $4.25; "Bell" brand, $4.30. For less than case lots, 10c. extra.

INGOT COPPER.—The demand is moderate. The market is quite firm, but no change in the price has been made. Copper is worth 14c.

INGOT TIN.—This market is firmer, although there is but little demand for tin. The foreign markets are advancing. Straits sells for 33c.

PIG LEAD.—Trade is quiet, and the price remains at $3.25.

LEAD PIPE.—The demand for this keeps up well. Composition waste sells for 7½c., and ordinary, 7c. The discount is 37½ per cent.

IRON PIPE.—The market continues fairly active, no quotable change having been made. Our quotations are as follows: Black pipe, ⅛, $3; ¼, $2.40; ⅜, $2.65; ½, $3; ¾, $3.70; 1-in., $5.25; 1¼, $7.40; 1½, $8.90; 2-in., $12.40. Galvanized, ¼, $3.20; ⅜, $3.45; ½, $4; ¾, $5.05; 1-in., $7.25; 1¼, $10.10; 1½, $12.15; 2-in., $16.70. Extra heavy pipe, plain ends, are quoted, per 100 ft., as follows: Black, ¼, $4.35; ⅜, $5.30; 1-in., $7.60; 1¼, $10.60; 1½, $12.70; 2-in., $17.45. Galvanized, ¼, $5.35; ⅜, $6.70; 1-in., $9.60; 1¼, $13.30; 1½, $15.95; 2-in., $21.75. For threads and couplings 5 per cent. is added.

TINPLATES.—There is not much doing. We quote: Charcoal, $4.75 to $5.25 per box, and cokes, $4.25 per box.

CANADA PLATE.—There has been a good demand for Canada plate at the prices quoted. The market retains all its firmness. We quote: 52's, $2.70 to $2.80; 60's, $2.85 to $2.90; 75's, $2.80 to $2.85; full polished, $3.75, and galvanized, $4.25 to $4.35.

STEEL.—The market is active. Machinery steel has been reduced 10c. Tire steel is up 5c. We quote: Sleighshoe, $2.10; tire, $2.20; bar, $2.05; spring, $2.85; reeled machinery, $2.75; toecalk, $2.70.

SHEET STEEL.—Trade is fair and prices unchanged. Quotations follow: Nos. 10 to 20, $2.50; 3-16, $2.50; ¼, 5-16 and ⅜, $2.40.

TOOL STEEL.—The market is not as active. Our quotations are as follows: Black Diamond, 8c.; Sanderson's, 8 to 12c., according to grade; Jessop's, 13c., and Leonard's, 7½c.

TERNE PLATES.—There is little doing. The price remains at $7.75 to $8.

COIL CHAIN.—Trade is only fair. We quote: No. 6, 12½c.; No. 5, 10½c.; No. 4, 10c.; No. 3, 9½c.; ¼-inch, 7¼c. per lb.; 5-16, $5; 5-16 exact, $5.25; ⅜, $4.25; 7-16, $4.05; ½, $3.95; 9-16, $3.85; ⅝, $3.55; ¾, $3.50; ⅞, $3.45; 1-inch, $3.45. In carload lots an allowance of 10c. is made.

SHEET ZINC.—The market is still quiet and unchanged. The price is $5.85 to $6.25.

ANTIMONY.—There is little doing. We quote 10c.

ZINC SPELTER.—The price of spelter is still 5c., with not much doing.

SOLDER.—This is still going well at unchanged prices. Wire solder, 20c.; and bar, 18c.

PAINTS AND OILS.

Notwithstanding that jobbers were averse to making a higher price for linseed oil it was felt that such an action was absolutely necessary in view of the continued scarcity and active inquiry. Another cent has accordingly been added to the price, making the price of raw 82c., and of boiled, 85c. The delayed shipments have caused much inconvenience. Several of the April shipments have not yet arrived, but are reported on the way. Turpentine, at last reports,

was unchanged in the primary markets. The price has been fluctuating around the figures we quote, but no marked change either way resulted. Paris green is in exceptional demand, and makers state that higher prices may be asked at any time. We quote :

WHITE LEAD.—Best brands, Government standard, $5.87½ ; No. 1, $5.50 ; No. 2, $5.12½ ; No. 3, $4.75 ; No. 4, $4.37½ all f.o.b. Montreal.

DRY WHITE LEAD.—$5.25 in casks ; kegs, $5.50.

DRY WHITE ZINC.—Pure dry, 6¼c. ; No. 1, 5¼c.; in oil, pure, 7¼c.; No. 1, 6¼c.; No. 2, 5¼c.

PUTTY.—We quote : Bulk, in bbls., $1.90 per 100 lb.; bulk, in less quantity, $2.05 ; bladders, in bbls., $2.25 ; bladders, in 100 or 200-lb. kegs or boxes, $2.40 ; in tins, $2.55 to $2.65 ; in less than 100-lb. lots, $3 f.o.b. Montreal, Ottawa, Toronto, Hamilton, London and Guelph. Maritime Provinces, 10c. higher, f.o.b. St. John and Halifax.

ORANGE MINERAL.—Casks, 7c.; 100-lb. kegs, 7¼c.; smaller quantities, 8¼c.

RED LEAD.—Genuine red lead, in casks, $4.50 ; in 100-lb. kegs, $4.75 ; in less quantities, $5.75 per 100 lb. No. 1 red lead, casks, $4.25 ; kegs, $4.50, and smaller quantities, $5.50.

LITHARGE.—Ground, casks, 5c. ; less quantities, 5½c.; flake litharge, casks, $5.25 ; smalls, $5.75 per 100 lb.

LINSEED OIL.—Raw, 82c.; boiled, 85c. In 5 to 9 barrels, 1c. less. Terms, net cash in 30 days. Delivered in Ontario, between Montreal and Oshawa, at 2c. per gallon advance, and freight allowed.

TURPENTINE.—Single barrels, 70c.; 2 to 4 barrels, 69c. Terms, net cash in 30 days.

SHELLAC VARNISH.—Pure white, $2.35 to $2.45 ; orange, $2.25 to $2.35.

MIXED PAINTS.—$1.20 to $1.45 per gallon.

CASTOR OIL.—8¾ to 9¼c. in wholesale lots, and ½c. additional for small lots.

SEAL OIL.—47½ to 49c.

COD OIL.—32½ to 35c.

PARIS GREEN.—Petroleum, bbls., 16¾c. per lb.; arsenic kegs, 17c.; 50 and 100-lb. drums, 17½c.; 25-lb. drums, 18c.; 1-lb. packages, 18½c.; ½-lb. packages, 20½c.; 1-lb. tins, 19½c.; ½-lb. tins, 21½c. f.o.b. Montreal. Terms : 3 per cent. 30 days, or four months from date of delivery.

SCRAP METALS.

Trade in general has been fairly good during the week, and deliveries have somewhat increased. Heavy copper is now being bought at ½c. reduction, and lead is also quoted lower—about ¾c. Rubber took a sudden advance of ¼c. during the week, and for a time it was expected that further advances were to follow, but the price has come back to the original figure since. Quotations follow : Heavy copper and wire, 10½c. per lb.; light copper, 8c.; heavy red brass, 10½c.; heavy yellow, 9c.; light brass, 5c.; lead, 2 to 2¼c.; zinc, 2¼c.; iron No. 1, wrought, $16 ; No. 2, $7 per ton ; machinery scrap, $16 ; stove plate, $12 ; malleable and steel, $5 ; mixed country rags, 60 to 70c. per 100 lb. ; old rubbers, 6¼c. per lb.

GLASS.

Several large shipments of glass have been received, and stocks in wholesale hands are fairly large. There is very little demand, however. Our quotations are as follows : First break, 50 feet, $2.10 ; second, $2.20 for 50 feet ; first break, 100 feet, $4 ; second break, $4.20 ; third break, $4.70 ; fourth break, $4.95.

HIDES.

There is a good demand for beef hides, and prices have been well maintained. The market has not changed materially in any line. Our quotations are as follows : No. 1 hides, 9c.; No. 2, 8c.; No. 3, 7c. No. 1 calfskins, 12c.; sheep skins, 70c.; lambskins, 15 to 20c. per lb.

MONTREAL NOTES.

Linseed oil is 1c. higher.

Machinery steel is 10c. lower.

German, English and American cement is 10c. lower.

Firebricks, Scotch and English, have been reduced.

Heavy scrap copper and scrap lead are lower in price.

ONTARIO MARKETS.

Toronto, May 30, 1902.

HARDWARE.

BUSINESS shows quite a revival this week, and the month is going out with trade a great deal more active than it was when it came in. The increased activity is largely due to the sorting-up demand which has sprung up. One of the features of the trade is the scarcity of lawn mowers, spring hinges and poultry netting, all of which are wanted in larger quantities than the manufacturers are able to supply. There have been very few changes in prices. In fact, about the only one worthy of special note is an advance of 12½ per cent. in the price of harvest whips. Quite a good trade is being done in barb wire. In wire nails the demand is fair. Business in bolts is still decidedly active. Rivets are in fair demand, and a good business is being done in screws.

BARB WIRE.—A large quantity of barb wire is going out. Quotations follow : F.o.b. Cleveland, $2.27½ for less than carlots, and $2.65 for carlots. From stock, Toronto, $3.

GALVANIZED WIRE.—Business is moderate. Quotations follow : Nos. 6, 7 and 8, $3.50 to $3.85 per 100 lb., according to quantity ; No. 9, $2.85 to $3.15 ; No. 10, $3.60 to $3.95 ; No. 11, $3.70 to $4.10 ; No. 12, $3 to $3.30 ; No. 13, $3.10 to $3.40 ; No. 14, $4.10 to $4.50 ; No. 15, $4.60 to $5.50 ; No. 16, $4.85 to $5.35. Nos. 6 to 9 base f.o.b. Cleveland are quoted at $2.52½ in less than carlots and 12c. less for carlots of 15 tons.

SMOOTH STEEL WIRE.—A good business is being done in oiled and annealed wire. We quote base price : $2.60 per 100 lb. Oiling, 10c.; coppering, 60c.;and tinning, $2 per 100 lb. extra. Delivery points Toronto, Hamilton, London and Montreal, with freights equalized on those points.

FINE STEEL WIRE.—There is the usual steady trade being done. Discount, 22½ per cent.

WIRE NAILS.—A nice steady sorting-up trade is being done, and prices are steady and unchanged. Quotations are : $2.55 for less than carlots and $2.50 for carlots. Delivery points, Toronto, Hamilton, London, Gananoque and Montreal.

CUT NAILS.—Trade is still only of a limited character. Base price is $2.45 per keg with an allowance of 7½c. per keg on carlots.



RETURNED
MAR 18 1904
Book 18
Page 11
Lib.

HORSE NAILS.—Very little doing. Discounts are : "C" brand, oval head, 50 and 7½ per cent.; on "M" brand, 50, 10 and 5 per cent.; "Monarch," 60 2 3 per cent. Countersunk head, 60 per cent.

HORSESHOES.—Trade continues light. We quote as follows f.o.b. Toronto : Iron shoes, No. 2 and larger, light, medium and heavy, $3.60 ; snow shoes, $3.85 ; light steel shoes, $3.70 ; featherweight (all sizes), $4.95 ; iron shoes, No. 1 and smaller, light, medium and heavy (all sizes), $3.85 ; snow shoes, $4 ; light steel shoes, $3.95 ; featherweight (all sizes), $4.95.

SCREWS.—Trade during the past week has been active and prices steady and unchanged. Discounts are : Flat head bright, 87½ and 10 per cent.; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.; round head bronze, 65 per cent., and flat head bronze 70 per cent.

RIVETS AND BURRS.—Trade is fairly good. We quote : Iron rivets, 60 and 10 per cent.; iron burrs, 55 per cent.; copper rivets, with usual proportion of burrs, 45 and 10 per cent.; copper burrs alone, 30 and 10 per cent.

BOLTS AND NUTS.—Stocks of bolts in the wholesale houses are light and in some kinds there is a scarcity. The demand is active. We quote: Carriage bolts, common ($1.00 list), 50 per cent. ; carriage bolts, full square ($2.40 list), 55 per cent.; carriage bolts, Norway iron ($3 list), 55 per cent.; machine bolts, all sizes, 50 and 5 per cent.; coach screws, cone points, 66 2-3 per cent.; elevator shaft and whiffletree bolts, 50 per cent.

SCREEN DOORS AND WINDOWS. There is a brisk movement, but there is still a scarcity of doors, and common doors, 2 or 3 panel, are quoted f.o.b. factory points as follows : Walnut, stained, 3-in. style, $6.80 per dozen : stained, yellow, $7 ; natural color, oil finish, $8.15 ; 4-in. style, 20c. extra per dozen. Windows : No. 0, $1.60 ; No. 1, $1.70 ; No. 2, $1.95 ; No. 3, $2.10 ; No. 4, $2.50 per dozen.

GREEN WIRE CLOTH.—The demand is good. We quote $1.37½ per 100 square feet.

SPADES AND SHOVELS.—There is a small sorting-up trade being done. Discount, 40 and 5 per cent.

ROPE.—Business is moderate. The hemp market is dull and slightly easier. Quotations are as follows: Pure manila, 16c.; British manila, 11½c.; sisal, 13c.; lathyarn, 12c.; sisal bed cord, 3 cord, 48 ft., 65c.; 60 ft., 80c.; 72 ft., 95c. per doz.

BINDER TWINE.—The demand is light and prices unchanged. We quote: "Blue Ribbon," 650 feet, 15c.; "Red Cap," 600 feet, 14c.; "Tiger," 580 feet, 13c.; sisal, 500 feet, 11½c.

EAVETROUGH, ETC.—The demand is fair. Eavetrough is quoted at $3.10 per 100 ft. for 10-in., and conductor pipe at $4 for 3-in. and $5.25 for 4-in.

HARVEST TOOLS.—Trade keeps up active in harvest tools. Discount, 60 per cent.

BUILDING PAPER.—Business is still fairly large. We quote as follows: Dry sheathing, grey or straw, 30c. per roll; tar sheathing, grey or straw, 40c. per roll; dry fibre, 50c. per roll; tarred fibre, 60c. per roll.

LAWN MOWERS.—The demand is active and difficulty is still being experienced in filling orders. The discount is 50 per cent. on high-wheeled lawn mowers, "Star" mowers, 9-in. wheels, $2.25 to $3; "Daisy" mowers, 17-in. wheels, $2.25 to $2.50.

HARVEST WHIPS.—The manufacturers of harvest whips have advanced their prices 12½ per cent.

POULTRY NETTING.—The demand continues active and the manufacturers are from two weeks to two months behind with their orders. The consumption of poultry netting this season has been larger than anticipated.

TINWARE AND ENAMELLED WARE.—Business is fair. Discount, 40 per cent.

SPORTING GOODS.—There is not much doing for immediate shipment, but a good many orders are being placed for fall delivery in loaded shells, guns and rifles.

CEMENT.—The demand is becoming heavier and the indications are for a busy season. The strength in the market still continues. We quote: Canadian Portland, $2 to $2.85; Canadian hydraulic, $1.35 to $1.60; German cement, $3; English, $3 to $3.15; Belgian, $2.50 to $2.75 per bbl., and American, $2.20 to $2.30 ex cars.

METALS.

Iron and steel continue strong. Copper and tin are rather easier. Business is fairly good in all lines of metals.

PIG IRON.—The market is still active and strong. We still quote No. 2 foundry at $21 on track Toronto.

BAR IRON.—The demand keeps fair with prices firm. We quote $1.95 to $2.05 base. Extras cut to length while rolling: 2 ft. and over, 10c. per 100 lb.; 1 ft. and under 2 ft., 15c.; under 1 ft., 20c.; over 20 ft. by special agreement, according to length and size.

STEEL.—The steel market continues strong and the demand in excess of the supply. Quotations follow: Merchantable cast steel, 9 to 15c. per lb.; drill steel, 8 to 10c. per lb.; "B C" and "Black Diamond" tool steel, 10 to 11c.; Jessop's, Morton's and Firth's tool steel, 14c.; toe-calk steel, $2.85 to $3; tire steel, $2.30 to $2.50; sleighshoe steel, $2.10 to $2.25; reeled machinery steel, $3; hoop steel, $2.90.

BLACK SHEETS.—Stocks are light and the demand is rather in excess of the supply. We quote: Common, $3.15 for 28 gauge; and dead flat, $2.50 for 26 gauge.

CANADA PLATES.—Prices in Great Britain are firm. Business, locally, is quiet. We quote: All dull, $3; half polished, $3.10; all bright, $3.75.

GALVANIZED SHEETS.—The supply is rather inadequate while the demand is good. We quote in case lots as follows: Queen's Head, $4.50 for 28 gauge; American, $4.10 for 29 gauge; Bell brand, $4.20 for 28 gauge.

TIN.—A fair business is being done in small lots. The outside markets are rather easy. Locally, quotations are unchanged at $33 to $34 per 100 lb.

TINPLATES.—The demand is good. We quote 1 C, 14 x 20, at $4.25.

TINNED SHEETS.—Trade continues fairly good and prices are fairly steady. We quote: 70 x 30, up to 24 gauge, $8; ditto, up to 26 gauge, $8.50.

COPPER.—There is a heavy demand this week for ingot copper. In sheet copper a fair business is being done. We quote ingots at $14 per 100 lb., and sheet copper at $22 to $23.

BRASS.—A moderate amount of business is being done. Discount, 15 per cent.

PIG LEAD.—Trade is quiet. We quote $3.50 to $3.75 for pig and $5 for bar lead.

IRON PIPE.—Trade is fair and prices are the same as they were. We quote per 100 ft.: ¼-in., $2.40; ⅜-in., $2.65; ½-in., $2.85; ¾-in., $3.65; 1-in., $5.20; 1¼-in., $7.35; 1½-in., $8.95; 2-in., $12.55; galvanized, 1-in., $7.20. Trade discount 4 per cent.

ZINC SPELTER.—Business is quiet. We quote $5.50 to $6.

ZINC SHEETS.—There is a good demand for small lots. We quote cask lots at $6 to $6.25, and part casks at $6.25 to $6.50.

SOLDER.—A good business is being done. We quote: Half-and-half, guaranteed, 20c.; do. commercial, 19½c.; refined, 19c.; wiping, 18½c.

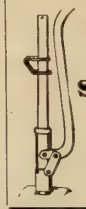
ANTIMONY.—Trade is fairly active. We quote $19.50 per 100 lb.

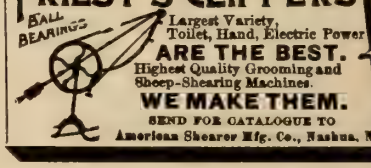
PAINTS AND OILS.

Business this week continues brisk, although the holidays and elections have had a quieting effect. The prices in all lines remain just as they were before. Raw and boiled linseed oils are still strong, and the scarcity thereof is still felt. The prices of turpentine are steady, and the stocks on hand are fair. The demand for white leads in oil and mixed paints is heavy this spring. Many houses report that, so far, trade this season is much ahead of that for the same time a year ago. A number of repeat orders are being received, and paint houses seem to be carrying heavier stocks this year than before. We quote:

WHITE LEAD—Ex Toronto, pure white lead, $5.87½; No. 1, $5.50; No. 2, $5.12½; No. 3, $4.75; No. 4, $4.37½ in packages of 25 lb. and upwards; ½c. per lb. extra will be charged for 12½-lb. pack-

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.
'WELLINGTON' KNIFE POLISH
JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
Wellington Mills, London, England.
Agent:
JOHN FORMAN, 644 Craig Street
MONTREAL

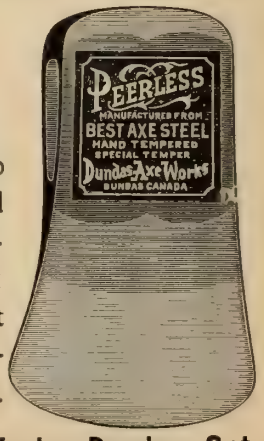

COVERT MFG. CO.
West Troy, N.Y.
Steel Carriage and Wagon Jacks,
Harness Snaps, Chain, Rope and Web Goods, etc.
FOR SALE BY JOBBERS AT MFRS. PRICES.

PRIEST'S CLIPPERS


Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., U.S.A.

Don't Forget the Name. . .
NEWMAN'S INVINCIBLE FLOOR SPRINGS
Strong, Quick, Reliable, Effective.
Will close a door against any pressure of wind. Far ahead of ordinary door springs, pneumatic or otherwise. Ask your wholesaler.
W. NEWMAN & SONS, Birmingham.

Oneida Community Goods
HALTERS, COW TIES SNAPS, etc., etc.,
in all sizes and styles. May be had of all jobbers throughout Canada.
Factory—NIAGARA FALLS, ONT.

A RECORD
Out of 6,000 Axes sold under guarantee in 1901 we did not have six returned broken.


Dundas Axe Works, Dundas, Ont.
W. L. Haldimand, Jr., Montreal Agent.

ages ; genuine dry white lead in casks, $5.12½.

RED LEAD—Genuine, in casks of 560 lb., $5 to $5.12½; ditto, in kegs of 100 lb., $5.50; No. 1, in casks of 560 lb., $4; ditto, kegs of 100 lb., $4 50.

LITHARGE—Genuine, 6 to 6½c.

ORANGE MINERAL—Genuine, 7½ to 8c.

WHITE ZINC—Genuine, French V.M., in casks, $6 to $6.25; Lehigh, in casks, $6.

SHINGLE STAIN—In 5-gal. lots, 60c. to $1.20 per gal.

BENZINE—In barrel lots, 17c. per gal.; less quantities, 25c. per gal.

PARIS WHITE—90c. to $1 per 100 lb.

WHITING—65c. per 100 lb.; Gilders' whiting, 80c.

GUM SHELLAC—In cases, 35c.; in less than cases, 40c. per lb.

LIQUID SHELLAC—Pure orange, in bbls., $2.25 to $2.35 ; white, $2.35 to $2.45 per gal.; in less quantities, 10c. extra.

PUTTY—Bladders, in bbls., $2 25 ; bladders, in 100 lb. kegs, $2.40 ; bulk in bbls., $1.90 ; bulk, less than bbls. and up to 100 lb., $2.05 ; bladders, bulk or tins, less than 100 lb., $2 90.

PLASTER PARIS—New Brunswick, $1.90 per bbl.

PUMICE STONE—Powdered, $2.50 per cwt. in bbls., and 4 to 5c. per lb. in less quantity ; lump, 10c. in small lots, and 8c. in bbls.

LIQUID PAINTS—Pure, $1.20 to $1.40 per gal.; No. 1, $1.10 per gal.

CASTOR OIL—English, in cases, 9½ to 10c. per lb. and 10 to 10½c. for single tins.

LINSEED OIL—Raw, 1 to 2 barrels, 83c.; boiled, 86c.; 3 to 5 barrels, raw, 82c.; boiled, 85c.; 6 to 9 barrels, raw, 80c.; boiled, 83c.; 10 to 60 barrels, raw, 78c.; boiled, 81c., delivered. To Toronto, Hamilton and London, 2c. less.

TURPENTINE—Single barrels, 71c.; 2 to 4 barrels, 70c., delivered. Toronto, Hamilton and London 1c. less. For less quantities than barrels, 5c. per gallon extra will be added, and for 5-gallon packages, 50c., and 10-gallon packages, 80c. will be charged.

GLASS.

Trade continues moderate. Nothing yet has been heard of the glass import orders from Europe. They are due to arrive at this time, but glass merchants do not expect any difficulty will be experienced like that of last season in obtaining their glass supplies. The stocks on hand now are sufficient to last for some time. We quote : Under 26 in., $4.45 ; 26 to 40 in., $4.65 ; 41 to 50 in., $5.10 ; 51 to 60 in., $5.35 ; 61 to 70 in., $5.75 ; 71 to 80, $6.25 ; 81 to 85, $7 ; 86 to 90, $7.75 ; Toronto, Hamilton and London. Terms, 4 months, or 3 per cent. 30 days. Discount off pane price list, 33⅓ per cent.



Horse
Shoe
Wood
RASPS

Our celebrated Elastic Tooth Rasp is the result of much study and many years' experimenting, and we are now enabled to supply, from any of our seven factories, Rasps with **SHARP, TOUGH TEETH,** for Horseshoers, Boot and Shoe Manufacturers, Cabinet and Wood Workers.

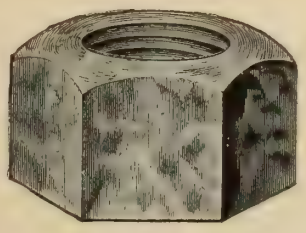
We guarantee the material, workmanship and durability of these goods.

For sale everywhere. May be obtained from prominent hardware merchants.

NICHOLSON'S MAKE

Nicholson File Co.,

DOMINION WORKS.
PORT HOPE, ONT.



THE JOHN MORROW MACHINE SCREW COMPANY, Limited

Manufacturers of

Set and Cap Screws, Special Milled Work, Engine Studs, Etc. Cold Punched Nuts of every variety of finish.

INGERSOLL, ONT.

OLD MATERIAL.

The demand continues fair and the prices of lead and No. 1 wrought iron have weakened a little. We quote as follows: Heavy copper and wire, 10¼c. per lb.; light copper, 8c. per lb.; heavy red brass, 10c.; heavy yellow brass, 8 to 8½c.; light brass, 5c.; lead, 2¼c.; scrap zinc, 2¼ to 2½c.; iron, No. 1 wrought, $14 per net ton ; No. 2 wrought, $6; machinery cast scrap, $14; stove plate, $10; malleable and steel, $6 ; old rubbers, 6c. per lb., and country mixed rags, 50c. per 100 lb.

COAL.

The situation at the coal mines is unchanged. The soft coal miners are reported as likely to join the strikers. The advance in the local retail price of hard coal has had the effect of causing it to be bought in only limited quantities. We quote prices at international bridges: Grate, $4.75 per gross ton ; egg, stove and nut, $5 per gross ton ; soft coal, $2.50 to $3.25 in bond.

PETROLEUM.

There has been no change in prices. Trade is fair. We quote: Pratt's Astral, 17 to 17½c. in bulk (barrels extra); American water white, 17½ to 18c. in barrels ; Photogene, 17 to 17½c.; Sarnia water white, 16½ to 17c. in barrels ; Sarnia prime white, 15 to 15½c. in barrels.

MARKET NOTES.

Harvest whips are 12½ per cent. higher.

PORT ARTHUR BOARD OF TRADE

The annual meeting of the Port Arthur, Ont., Board of Trade resulted in the following officers being elected :

President—R. Vigars.
Vice-President—Geo. Clavet.
Sec.-Treas.—H. A. McKibbin.
Council—Geo. F. Hourigan, Geo. Hodder, Geo. T. Marks, J. G. Ashforth, J. G. King, I. L. Matthews, D. F. Burk, J. M. Neelin, Col. Ray, J. H. Woodside, J. L. Meikle, W. H. Nelson.

Two members, President Vigars and D. F. Burk, were appointed delegates to attend the conference of the Boards of Trade of the Dominion that will be held in Toronto on June, 5 and 6.

A committee on resolutions was instructed to draw up a resolution urging the necessity of dredging the harbor and the adoption of a suitable plan for such work. The committee will also forward a resolution to the proper authorities asking that a fish hatchery be established on Thunder Bay for which an appropriation had been made.

"The Road" and How to Make it a Success.

By . . .
H. A. Leak,
of Montreal.

THERE is at least one occupation not overdone, offering openings and opportunities; one line that expands with every new invention, every increase of population, offering many chances to young men possessing common, practical sense, honesty and energy, seeking employment. It is labor thoroughly organized, which never had a strike, and never as a body and rarely as individuals complains against employers; indeed, so allied are the interests of employer and employe that they work as one. I refer to the commercial travelers.

"The road" pays better average salaries than do most of the professions or trades. Over 300,000 men now earn salaries ranging from $800 to $10,000 a year as commercial travelers, and there is room for thousands more.

"The road" is a position of trust; travelmen represent millions of capital, and wield a significant, though apparently silent, moral, commercial and political influence.

It is a work that wins on merit alone, prohibiting favoritism; a firm may favor a relative or a friend for a soft berth in the office, but the man put on the road is employed, paid and advanced solely on the basis of ability. Among the patrons of the institution he represents, "the drummer" is "the house." He arbitrates differences, adjusts affairs of immediate concern that require quick decision, handles money and makes contracts. As a final course in a young man's education, "the road" gives a good finishing touch. It teaches him human nature, opens the way to higher positions, elevates and broadens. Many of the heads of the most successful mercantile and manufacturing concerns came from "the road." Books teach and imagination often leads conception astray, leaving learning frail as his theory until corrected and strengthened by fact and realism. Commercial travel is practical, and its routes include nearly all the territory of fact. In the Pullman, the waiting-room and the hotel discussions are open, introductions are rare, and mistaken assertions are quickly combated. "The road" is a school.

PRACTICAL SUGGESTIONS.

How many take the interest in their work that they do in a game of chess or billiards? Those who do, succeed. When an occupation becomes labor, it is quite certain to be a failure. There is no more work about sawing wood than playing baseball; no more work about keeping books than in playing whist; it is just as easy to get interested in sawing wood or keeping books as in playing baseball or whist. There is an opposing force in all work as in all games, the antagonistic power that makes the game worth playing or the work worth doing. In the game of both work and play there are chances to win. Everyone does not enjoy the game of baseball; everyone does not enjoy the game of sawing wood; but nearly all can become interested in some game or work.

The field for work on the road is broad. The first subdivisions are mechanical, scientific, professional and literary, which are again subdivided and resubdivided minutely, offering many games of work to select from. There is room in any of the



Mr. H. A. Leak.

above-named branches of travel for those who will make their business a study.

At this day the great commerce of the United States is largely transacted through travelling representatives. Everything grown or produced requires salesmen at once or finally when it is hewn, woven, carved, cut, dried, boxed, canned, tanned, planed, molded or turned to make it marketable through the medium of the man on the road. Salesmen are wanted every day, everywhere. Hundreds of firms send out men unfamiliar with the business they represent because they cannot get trained talent. Remuneration is good, and there is no investment of capital. Expenses are paid and salaries can be profitably invested, thus increasing earnings. On trains there is ample time to take up some study that will afford profit and pleasure. A young man who, in the past three years, has acquired a fair knowledge of Spanish by studying between stations on trains, informs me that his employers will send him to Mexico, where they desire to extend their trade, and will handsomely advance his salary.

UNNECESSARY TALKING AND LYING.

The first merchant I ever called on was a druggist in a small Illinois village. I did a great deal of unnecessary talking and some unnecessary lying. I told of where I had travelled and of large orders I had taken, endeavoring to mask, if possible, the fact that I was then taking my first order. The druggist asked, now and then, some question that called out another lie as a protection to what I had said; I argued with myself that my deceptions were not harmful because they did not misrepresent the goods I offered, but, as I thought, covered my newness. After an hour, Mr. Merchant interrupted me by saying: "Young man, I am going to give you an order. I want to help you because this is your first trip. When you go to the next man tell him frankly that you have just started out, because, if he should not know the honor of your house as well as I, he might judge them by what you tell of your travels." His polite manner of telling me that I would better tell the truth at first nettled me; but, after collecting my thoughts, I admitted to him that I was not only making my "maiden trip," but that he was the first merchant I ever called on, and his was the first order I ever sold.

Since then I have had twelve years' experience as a drummer and know that even in insignificant utterances it pays to be honest.

TRUTH IS MONEY AT INTEREST.

There are times when money seems to be lost by telling the truth, but I believe it is only out drawing interest. Honesty is the most essential quality to build up a trade on the road. Imagine a merchant wanting to become the patron of a representative that misrepresents.

I had been a traveller more than two years before I knew that I was wasting much energy by superfluous talk. A Galveston, Texas, man one day gave me audience; I told him of the merit of my goods, the standing of my house. I talked and talked and talked, often repeating the points I had made. He listened calmly and not without apparent interest. Finally I could think of nothing else to say, but hesitated to cease my argument, for I seemed to be gradually bringing my man to the buying point; but there seemed to be an end to even such a plentiful article as talk, and I said: "Well, that's all; I don't know anything else to say."

"I have been waiting for thirty minutes," he replied, "to tell you that I can use some of your goods." He said this with a touch of sarcasm that taught me another lesson. It is not the salesman who does the most

American Steel & Wire Co.

New York: Empire Building. Montreal: New York Life Building. Chicago: The Rookery.

BARB WIRE. GALVANIZED PLAIN WIRE.
PLAIN TWIST CABLE FENCING.

Telegraph and Telephone Wire, Mattress, Broom, Weaving Wires of every description, Rail Bonds, Bale Ties, Special Wires for all purposes. Springs, Horse Shoes, Wire Rope, Cold Drawn Steel Shafting.

THE "GLOBE" POLISH HAS COME TO STAY AND ALL DEALERS CAN STOCK IT WITHOUT HESITATION.

TRY "GLOBE" AND YOU WILL USE NO OTHER. IT IS THE BEST.

"GLOBE" METAL POLISH

Write for a supply of Showcards and Advertising Novelties.

—WE SHALL BE PLEASED TO ANSWER ALL ENQUIRIES.—

RAIMES & CO., 164 DUANE ST., NEW YORK CITY.

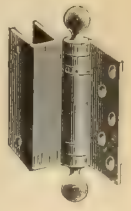
More OXFORD SPRING HINGES



In use to-day than ever before! Why? Because their worth has been proven by long years of service.

MADE

Single and Double Acting
WITH OR WITHOUT BLANKS
To close or throw door open
For Lavatories.



Perfectly designed and finished. Prices assist sales.

—WRITE—

LAMPLOUGH & McNAUGHTON, Canadian Sales Agents, 19 De Bresoles St., MONTREAL, QUE.

Sole Manufacturers:

THE COLUMBIAN HARDWARE COMPANY

CLEVELAND, O.

one who studies all the good points in his line, knows them by heart, and says what he has to say briefly, and with an emphasis that is convincing. If it is only a simple "Yes, sir," or "No, sir," say it in capital letters.

APPEARANCE IS OF GREAT CONSEQUENCE.

Almost any man can be a gentleman, and a gentleman can sell goods. A dealer or buyer may be uncouth, but he respects a gentleman, and will give one both attention and patronage, in preference to the vulgar. Vulgarity is the lowest form of familiarity that a salesman can indulge in with his trade. The salesman who appeals to buyers by telling smutty stories under the delusion that he is on close terms with them, will find that some gentlemanly competitor who commands the respect of his customer, will slip in and get the order while he goes on with his questionable yarns, and will some day awake to find that he is telling the stories and the other fellow is doing the business

One of the most imprudent errors a salesman can make is to ask his customers to have a drink. A buyer knows that salesmen do not ask the hotel clerk, the barber or the banker they patronize to have a drink, and he can only judge that your treating in his particular case is to obligate him. A good buyer cannot be bought by a drink or a cigar, and it is often an insult to him. Tips should be confined to waiters and porters and paid in cash, not drinks; likewise a commercial traveller should decline drinks if not the more modest cigars, from his customers. Social favors are the beginning of familiarities that soon impress the merchant with the idea that he knows as much as the traveller about his wares; and, for the same reason that he would not engage a lawyer or a doctor that knew no more than himself, he will deal with commercial men who keep close to the business shore and who know the value of reserve.

Neatness in personal appearance must not be overlooked by the commercial man who would succeed. Clothes that look well, cuffs and collars that are clean, shoes well polished and hair well trimmed emphasize all the other necessary qualities that contribute to success. An honest man looks more honest, and a well put sentence seems better put when accompanied by proper clothes.

THE TRAVELLER SHOULD READ.

A travelling man should obtain works pertaining to the line he represents and post himself better than his trade. If possible, go through the fields where the raw goods are grown; the factories where made, and interview the laborer who helps to produce his stock, mastering the small matters and posting himself on the differences and details.

Many a sale has been lost because the salesman could not give the best freight rate or route for his goods at a moment's notice.

Salesmen are in demand. It is not difficult to sell goods. To begin, choose your line, put a value on your services, then go to some good company and sell them your ability. If you offer your services well, you will not go far before someone will conclude that you can offer your goods well also.

I watched my employer recently say "No," to a young man, an applicant for a position on the road. "No," said he, "we have applicants every day." The young man, calmly surveying a United States map on the wall, pointed to it and said: "Is there no place in all that territory where you want to extend your business or increase it?" "Oh, yes," replied my employer, "we always want to increase business." "That is why I called; I came to increase your business," the young man said, with a gentlemanly audacity by which he made his first sale. He sold his ability. Later, my employer remarked to me: "We have room for a dozen young fellows like that."

EXPORT TRADE IN BUSY TIMES.

An Interview with Mr. R. Munro, President of the Canadian Manufacturers' Association.

IN conversation with a representative of HARDWARE AND METAL, Mr. Robt. Munro, president of the Canadian Manufacturers' Association, dealt with the subject of trade with foreign markets in the following words:

"There are some men anong our manufacturers who say that we are too busy in Canada with our home trade to give attention to any business from abroad. It is quite true that the present feeling of expansion is bearing such good fruit that our factories ar all well employed. In fact, the growth of our factories has not been more rapid than the growth of our home trade. Now, any manufacturer who is so content with present conditions that he is indifferent to foreign business had better let the latter alone. Export business, to be done at all successfully, must be done carefully and well. The indifferent exporter, therefore, does only harm to the business expectation of his country with little or no correspond ing good to himself.

"The consideration remains, however, what of the trade of other British possessions who are willing to trade with us and whose trade we might indeed have by preference over foreign countries?

"In the West Indies, for example, the United States manufacturer is taking advantage of his more frequent shipping opportunities, and works these islands for all they are worth. United States goods are becoming strongly entrenched in these markets, and the longer we delay in asserting ourselves the more difficult will it be to obtain a footing, not to speak of superseding the other. The same is true in our own Yukon, in Australia, New Zealand and South Africa. Even in Great Britain are they not pressing the sale of lines which Canada should be equally able to supply?

"But you ask what need we care so long as we have enough to do at home? That's the main point I wish to suggest to our manufacturers. We look for good times, growing times even, for some years to come. But no man who has been long in business looks for perpetual activity, no matter how favorable the country's position is. The present is certainly a time to make the most of, but we must make up our minds that bad harvests, dull markets for our products abroad, and other causes will arise to make the home trade smaller in volume and less safe. How handy will it be then if we have our roots established in other markets which may be in better shape than our own, and where, being known, we will be sure of some business to help out the limited demands at home.

"Remember, Mr. Reporter, I am not advocating the example of Dickens' character, whose name I cannot recall, who was busy writing about the conversion of the heathen while her own children were running about torn and dirty. I advocate doing our home trade well. Keeping abreast of anything that competes with us, but I point out that other good markets are inviting us; that our Imperial connection gives us a priority in these markets; that while we linger others are pushing forward their exports, while of Canada it may be said, as Mr. Goodwillie said to me in Trinidad, 'We would most gladly deal with Canada. We are proud of Canada, but we do not know what she has to offer, as none of your travellers come this way.'"

NAILS
Right Prices
Quick Shipments
Quality Guaranteed
Also
STAPLES
Write, Telegraph or Telephone
Page Wire Fence Co.
Limited
Walkerville, Ontario

Respice Finem

"Look well to the End," has been the Lucas motto for over half a century. Lucas believes that a satisfied customer is the best ad. for both dealer and manufacturer. A friendship once begun we "look well" to hold it "to the end."

We are jealous of the reputation won by our founders. We mean to maintain it.

Better Value Than Lucas Dry Colors Cannot be Made. . .

In 1850 the Lucas Works covered about one-quarter of an acre. To-day they occupy over ten acres. We are still growing, still improving, always up-to-date.

Write us for Samples and Prices

JOHN LUCAS & CO.

Paint, Varnish and Color Manufacturers

NEW YORK *PHILADELPHIA* *CHICAGO*

Lucas & Co., are the largest manufacturers of Dry Colors in the world. Originators of the famous Lucas Greens—**Dry and in Oil.**



Star Safety Razor.

The original and best Safety.

Shaves Clean Saves Time Never Pulls



Over 5,000,000 daily users are our best advertisers.

A Razor of merit.

Established 1875.

A Marvel of Simplicity and Durability

BEWARE OF IMITATIONS.

The Three Star Safety is the only Safety Razor that can be adjusted to a hair's width by anybody to suit any face or beard by means of adjusting screws, fully protected from infringers by the U.S. Circuit Court.

For sale by all leading dealers throughout Canada. Rock bottom prices upon application to

KAMPFE BROS.,

INVENTORS AND MANUFACTURERS,

8 Reade Street - NEW YORK CITY

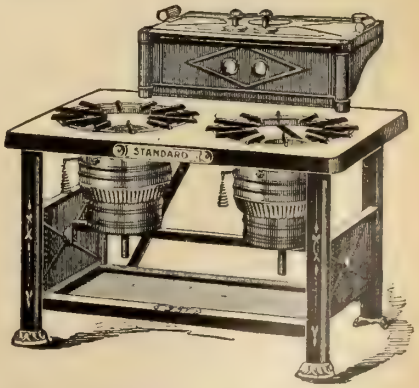
ESTABLISHED 1860. **INCORPORATED 1895.**

Here's Something New FOR . . . SUMMER COOKING

THE HANDIEST, CLEANEST, SAFEST, COOLEST AND MOST ECONOMICAL SUMMER COOK STOVE EVER SOLD.

The "STANDARD" Wickless Blue Flame Oil Stove

(Burns Ordinary Kerosene)



combines the efficiency of the coal range and the convenience and comfort of the gas range at a fraction of the expense of either. An absolutely safe and clean stove ; will not smoke or get greasy ; can't explode. Can be moved anywhere.

Made in large and small sizes. Write for catalogue.

THE THOS. DAVIDSON MFG. CO., Limited

General Agents, MONTREAL, CANADA.

HEATING AND PLUMBING

BUILDING PERMITS IN TORONTO.

DURING the week building permits have been granted from the office of the Toronto City Commissioner to the following : A. H. Hoover, for a one-storey verandah on 163 Jameson avenue, for $700 ; W. H. Grant, for a one-storey verandah on 157 Madison avenue, for $180 ; Eli A. Bowlear, for a two-storey roughcast addition to dwelling on 125 Shaw street, for $200 ; W. H. Essery, for alterations to factory at the corner of Shepard and Richmond streets, for $500 ; Mrs. Doyle, for three brick roughcast one-storey and mansard-roof dwellings on the north-east corner of Claremont street and Crocker avenue, for $3,000 ; Dominion Stained Glass Co., for a two-storey brick and stone factory on 34 Richmond street east, for $2,200 ; Mrs. Arnold, for a two-storey roughcast dwelling on Macdonell avenue, for $550 ; Separate School Board, for a two-storey brick and stone school on the east side of Close avenue, near King street, for $10,000 ; J. F. Walsh, for a one-storey brick church on a stone foundation on the north-east corner of King street and Close avenue, for $14,000 ; Toronto Silver Plate Co., Limited, for the erection of an additional storey to factory in rear of 570 King street west, for $300 ; S. H. Knox, for a new store front of wood and glass at 182 and 184 Yonge street, for $300 ; A. D. Adamson, for alterations and a brick addition to dwelling on Queen street, near Sorauren avenue, for $1,500 ; T. Bedley, for a two-storey brick and roughcast dwelling on the south side of Gerrard street, near Jones avenue, for $1,600 ; H. Greisman, for a two storey brick dwelling and addition to 1 and 3 Centre avenue, for $1,000 ; Wm. E. Weale, for a two-storey brick and stone dwelling on 442 St. Clarens avenue, for $1,800 ; J. Trancle Armand, for a one-storey workshop on the northeast corner of Yonge and Ann streets, for $570 ; The Union Trust Co., for a seven-storey stone, brick and steel apartment house near Caer Howell street on the west side of University avenue, for $150,000; Dominion Bank, for a three-storey stone and brick addition to building on the northeast corner of Dundas and Queen streets, for $500 ; Elizabeth H. Wages, for a concrete cellar under 658 Ossington avenue, for $200 ; G. F. Watson, for a brick and stone verandah on 161 Jameson avenue, for $300 ; J. W. Russell, for a wood verandah on 276 and 278 Crawford street, for $500 ; Mrs. A. Muir, for a one-storey roughcast addition to 2 Ruskin avenue, for $300 ; J. R. Lee, for a one-storey brick addition for dwelling purposes to 310 Queen street west, for $400 ; W. B. Charlton, for a pair of brick and plaster two-storey dwellings on the north side of Victor avenue, near Logan avenue, for $2,500 ; Kane Bros., for three pairs of two-storey brick dwellings on the south side of College street, near Brock avenue, for $12,000 ; McGregor & McIntyre, for a one-storey open shed, with roof set up on iron columns and beams, on 71 Pearl street, for $225.

ALMOST SETTLED.

By all appearances the strike of the Montreal plumbers is nearing a settlement. It is stated that out of 125 master plumbers only 7 now hold out. The others have agreed to the demands of the journeymen, and their employes have returned to work. The new wage scale is now in general use ; by it the standard rate is 28c. per hour, with overtime and holidays extra, nine hours being considered a day's work. It is expected that the other employes will sign the agreement this week.

SOME BUILDING NOTES.

Wm. Barnard is building a house at London, Ont.

Contractor Wyatt is erecting a residence at Melita, Man.

John McCutcheon is building a store at Chilliwack, B.C.

The Roman Catholics will build a church at Wallacetown, Ont.

A new Y.M.C.A. brick block may be erected at Brandon, Man.

A new Jewish synagogue will be erected on St. Urban street, Montreal.

A new block of five stores will be erected at Wallaceburg, Ont., this summer.

Tenders are being advertised for the erection of a Presbyterian church at White Lake, Manitoulin Island.

G. Jackson and J. W. Westervelt have obtained building permits for the erection of brick residences on Wellington street and Albert street, London, Ont., respectively.

BUILDING PERMITS AT OTTAWA.

DURING the week the following building permits have been granted at Ottawa : Andrew Cochran, for a frame dwelling on Third avenue, for $500 ; W. H. Taylor, for alterations to dwelling on McDougal avenue, for $175 ; Bishop Hamilton, for a brick dwelling on Wilbrod street, for $7,000 ; Charles Emery, for a solid brick dwelling on Cartier street, for $6,000 ; W. H. Davis, for a stone dwelling on Goulbourne avenue, for $3,000; Thomas Askwith, for three brick stores and dwellings on Book street, for $11,000 ; J. J. Gormully, for alterations to dwelling on Daly avenue, for $1,000 ; R. J. Cowie, for a solid brick dwelling on James street, for $2,600 ; R. J. Cowie, for a solid brick dwelling on Russel avenue, for $3,700 ; Joseph A. Fryon, for a brick veneered dwelling on Freel street, for $1,200 ; Mr. Lavergne, for a frame dwelling on Willow street, for $450 ; A. E. Shaver, for three frame dwellings on Bay street, for $3,000 ; Andrew Larocque, for a double brick veneered house on Bridge street, for $2,000 ; L. K. Ade, for a brick veneered dwelling on Waverley street, for $1,000 ; and Albert Dunn, for two frame tenements on Nelson street, for $2,500.

PLUMBING AND HEATING NOTES.

Kyle & Aitchison, plumbers, Montreal, have registered.

Listowel, Ont., is preparing to construct a sewage system for the town.

The plumbing business carried on at Chatham, N.B., by Pollock & Doak, has been closed. Pollock is absent.

Guest & Co., plumbers, have secured a large order for aluminum gas tips from Philip Gies, plumber, Berlin, Ont.

Purdy, Mansell & Co., plumbers, Toronto, have secured contracts for the plumbing and heating of the new wing of the Royal Muskoka Hotel, Muskoka ; the plumbing and heating of a house on South Drive, Rosedale, for George R. Copping ; the plumbing on a house on Manning avenue, for Mr. Howard ; the plumbing on two houses on Berkeley street, for Mr. Murray ; the plumbing of a house on 15 Ross street, for Thomas G. Bright ; the plumbing and heating of a house on 106 Madison avenue, for C. A. Dinnick, and the installing of an automatic fire protection equipment, Prinkler system, on the premises of The American Cereal Co., Peterboro', Ont.

RAMSAYS VIENNA GREEN



REGISTERED

The very best green for blinds, doors, ornaments, trimmings. A splendid green for the painter, finely ground in best selected oil. Booklets and show-cards for advertising. Used all over Canada with great success.

A. RAMSAY & SON
MONTREAL

EST'D 1842
PAINT MAKERS

Gas Fixtures

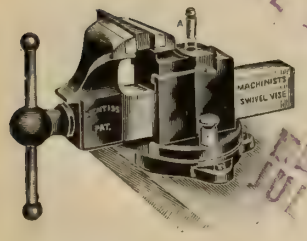
We make Attractive Fixtures in

GAS . . .
ELECTRIC
COMBINATION

Catalogues to the Trade.

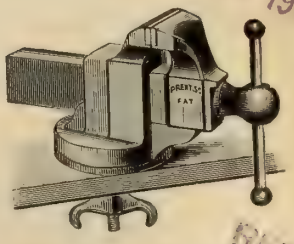
The James Morrison Brass Mfg. Co., Limited
89-97 Adelaide St. West, TORONTO.

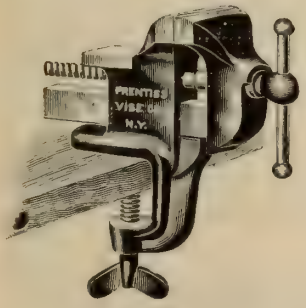
PRENTISS VISES



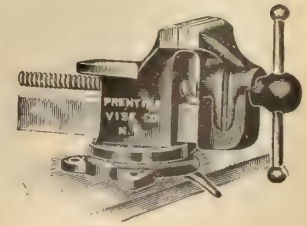
We beg to announce to the Trade that we are carrying a full line of the

PRENTISS PATENT VISES





Our prices are right and we are in a position to handle your trade.



The Fairbanks Company

747 and 749 Craig Street — MONTREAL.

Can. Paper Mercha
JUN 20 1902

What It Means:—

The Gothic or block letter "**C**" which we have registered, and used as our Trade Mark for over a quarter of a century, was selected because it is the first letter of the word Canada and of the name of our Company.

It is the only trade mark used in Canada for a brand of Horse Nails which has been imitated. We accept this as a compliment paid to our brand, and an acknowledgement that the makers who sold them thought it better than their own. They were right, they are better. **They are the best.**

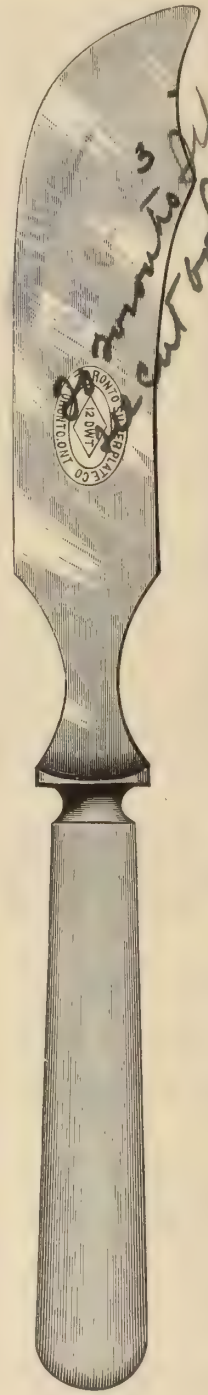
The Canadian trade for the past thirty-seven years, or since we were established in 1865, also think so, and buy more of them than any other two brands combined. We could of course, increase our business as they are trying to do, at the expense of all profit returns, or reducing our standard to the level of theirs. We shall do neither. We propose to make the best Horse Nails we know how, and rely upon our friends who want the best Nails made in the best way, having the best name, and the best to sell, to continue to give us their orders either direct or through any wholesale dealer with whom they do business.

In ordering always please specify particularly for the "**C**" brand made by us, and refuse to accept other brands if sent as substitutes.

Canada Horse Nail Company,

Montreal.

WHY



No. 1050
ROUND END
BUTTER KNIFE
12 dwt. Quality

buy your Plated Ware stamped

Smith, Jones, Brown, etc.,

when you can buy it stamped

"Toronto Silver Plate Co."

a good **Canadian** name with any amount of financial responsibility behind it, outside of the reputation that **20** years of manufacture has given it?

We issue a special Flatware Catalogue, with the **newest up-to-date** patterns in it, and covering a class of goods that is fully guaranteed as to quality.

In buying this class of goods from your jobber, insist on this stamping and get better goods.

The Toronto Silver Plate Co., Limited

SILVERSMITHS and MANUFACTURERS of ELECTRO SILVER PLATE.

E. G. GOODERHAM, Managing Director.



THE PAINTERS PERFECT WHITE LEAD

is beautifully soft and fine in the grain. It mixes well with Linseed Oil, forming a creamy smooth paint of great covering power and undoubted durability. Every atom is paint — perfect paint — and there is no loss or residue of any kind. The Painters Perfect White Lead has become very popular everywhere.



THE CANADA PAINT COMPANY LIMITED

Montreal and Toronto.

Persons addressing advertisers will kindly mention having seen their advertisement in The Canadian Hardware and Metal Merchant.

Canadian Wringer Co.

Manufacturers of the following

CLOTHES WRINGERS

Queen, Royal Canadian, New Metropolitan, New Lightning, Eureka, New Eureka, Stone, Jubilee Ball Bearing Etc., Etc.

All our Rolls are of Solid White Rubber and Vulcanized to Shaft. . . . Send for Catalogue and Discounts.

16 SHEPPARD STREET, TORONTO.

Hardware Men Sell Our Popular Lines

from Catalogues and Samples.

—WE MANUFACTURE—

Office and Bank Railings, Wire Window Guards, Stable Fittings, Roof Cresting, Fencing. Etc. Specialties in Wire and Metal.

Our manufactures are wanted everywhere. We want a hardware firm in every town to act as our selling agents. Write for particulars and catalogues.

The Dennis Wire and Iron Co.,

LONDON, ONT.

FRANK MILLER'S

HARNESS PREPARATIONS.

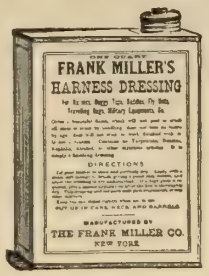
FRANK MILLER'S

HARNESS DRESSING

Recognized as

"THE STANDARD."

Produces a brilliant jet-black gloss which will not peel or smut and to which dirt will not stick.





Frank Miller's

Harness Soap

Unrivaled for cleaning and softening Harness.

Put up in cakes, pans, boxes and tubs.

FRANK MILLER'S

Harness Oil.

Preserves and softens the leather, thus adding life.

The highest quality of oil on the market.



Wrapping Papers

—Full count.
—Full weight.

And let it be added —good in quality. Sure of these essentials and there is no waste in your wrapping papers. Remember all our papers turn the scale at full weight and contain 480 sheets to the ream.

CANADA PAPER CO., Limited

TORONTO and MONTREAL.

The Oshawa Wire Fence Co.

OSHAWA, ONT. Limited

Manufacturers of...

Woven Wire Fencing, Gates, Etc.

Also Dealers in Galvanized Fence Wire.



Agents wanted Send for catalogue and prices.

JUN -4 1902



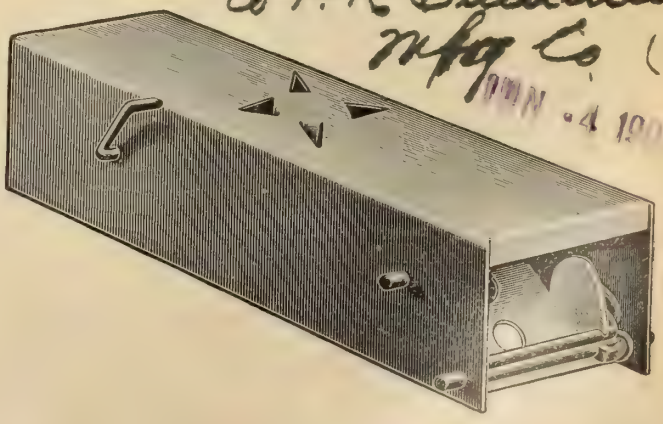
A MOUSE

is a little thing, but it can make a lot of trouble.

THE DUPLEX TRAP

is a small affair, but it will do a lot of work. Moreover, it is a mouse catcher, and not a finger catcher. Simply pressing the lever **on the outside** sets it. Next morning you press the same lever and the mouse drops out. You don't have to touch the animal.

P. R. Cumming Mfg Co (2)
JUN -4 1902



Made only by

The P. R. Cumming Mfg. Co., Limited

Toronto.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

THE Ingersoll Metallic Manufacturing Co., Limited, founders and manufacturers of bedsteads, Ingersoll, Ont., have assigned to J. E. Ferguson.

Joseph Lavarie, sawmill, etc., St. Antoine Abbe, Que., has compromised at 65c. on the dollar.

Jas. Poirier, general merchant, Avignon, Que., is offering to compromise at 50c. on the dollar.

L. P. Garon, general merchant, St. Michel, Que., has compromised at 55c. on the dollar.

Mrs. Sarah Smith, general merchant and hotel, Metapedia, Que., has assigned to V. E. Paradis.

The creditors of Max Rosenstein, general merchant, Barachois de Malbaie, Que., have held a meeting.

Francois Provincial, general merchant, St. Gervais, Que., is offering to compromise at 60c. on the dollar.

T. W. Johns has been appointed liquidator of Kinney, Haley Manufacturing Co., Limited, planing mill, Yarmouth, N.S.

PARTNERSHIPS FORMED AND DISSOLVED.

Delahey Bros., general merchants and grain dealers, Cobden, Ont., have dissolved and the business is continued by James A. Delahey with style unchanged.

SALES MADE AND PENDING.

The estate of G. B. Murphy, saddler, Portage Du Fort, Que., is to be sold.

The stock of H. Cairns & Co., general merchants, Sawyerville, Que., has been sold.

The assets of The Automatic Steam Cooker Co., Toronto, are advertised for sale.

The assets of Joseph Bergeron, general merchant, St. Anne Du Sault, Que., are to be sold.

The stock, etc., of Wm. C. Wilson & Co., Limited, mill supplies, etc., Toronto, has been sold.

CHANGES.

Perreault & Gervais, contractors, Montreal, have registered.

H. Lasselle, painter, Russell, Ont., is retiring from business.

Denis Dufort has registered for H. Dufort, builder, etc., Montreal.

chants, etc., Vancouver, B.C., are succeeded by Mitchell, Russell & Co.

Charles E. Stewart, blacksmith, Orford, N.S., is succeeded by D. Keith.

Henderson & Potts, paint manufacturers, Montreal, have registered.

Stuart Watkins, hardware merchant, Toronto, has sold out to H. Chisholm.

Frank Ramey, bicycle dealer, Bridgewater, N.S., is succeeded by Ernst & Coffill.

Bonner & Haley, grocers and provision merchants, North Sydney, C.B., are out of business.

Hough & Crowe, general merchants, Birtle, Man., have started a creamery at Solsgirth.

The Welsh Shingle Manufacturing Co., New Westminister, B.C., has sold out to Thomas Kirkpatrick.

The style of Hughes, Cooks & Co., hide and oil merchants, Montreal, will be changed on June 1 to D. B. Martin & Co.

The Capital Sand and Brick Co., Limited, and The Guyon Pressed Brick and Tile Co., Limited, Ottawa, have amalgamated, and the style is now The Dominion Supply Co.

FIRES.

D. W. Henry, general merchant, Springfield, Ont., was burned out.

James Hamilton, carriagemaker, Lindsay, Ont., has sustained loss by fire.

Thomas Mansell, agricultural implement agent, Springfield, Ont., has sustained loss by fire.

The stables of The Breithaupt Leather Co., Limited, Berlin, Ont., have been burned.

Daniel T. Eck, harnessmaker and agricultural implement agent, Springfield, Ont., was burned out.

J. S. Fairley, general merchant and dealer in lumber, Fairley, N.B., was burned out with a loss of $1,500; there was no insurance.

The Hintonburg stock of Grant Bros., hardware merchants, Ottawa and Hintonburg, Ont., was damaged by fire and water; it is partially insured.

DEATHS.

Archibald Grant, builder, Toronto, is dead.

Wm. Douglas, blacksmith, McGuigan, B.C., is dead.

E. L. Kraft, trunk and harnessmaker, Kingston, Ont., is dead.

Wm. Coxall, grocer and hardware merchant, Colborne and Napanee, Ont., is dead

J. H. Still, president of The J. H. Still Manufacturing Co., Limited, manufacturers of handles, St. Thomas, Ont., is dead.

A NEW HARDWARE STORE.

Mr. Herbert A. Couse has severed his connection as manager of E. M. Marshall, hardware merchant, etc., Sarnia, to go into business for himself there. He has secured premises in the store occupied at present by Wm. Kellett, and is putting in a complete stock of hardware. Mr. Couse has had sixteen years' experience in the hardware business, being manager for E. M. Marshall for some time, before which he was with A. Laurie. He will be joined shortly by F. M. Couse of E. M. Marshall's.

AWARDED THREE GOLD MEDALS.

The Lucas exhibit at the Charleston Exposition made a big hit and has just been awarded no less than three gold medals. All who saw the exhibit pronounce it one of the most instructive and interesting displays of paints and varnishes they had ever seen. The exhibit was located in a prominent position in the Palace of Commerce Building. It was a handsome booth, square in shape, the centre of which was occupied by a large glass cabinet, containing a full array of paints, stains and enamels of every kind, from brick paints to the finest fresco colors and artists' gold paints. Three sides of the booth were lined with contortion mirrors which afforded great pleasure and entertainment to the hundreds who visited it.

A SHOP FIXTURE.

In renewing his subscription to HARDWARE AND METAL, W. H. Johns, hardware and tinware merchant, Southampton, Ont., says: "Keep on sending it, as we consider it a shop fixture."

The reason for using Apollo galvanized iron is: it is the best iron: works easiest: makes the best job, and costs least for labor.

American Sheet Steel Company, New York

Representatives for Canada
B. & S. H. Thompson & Company
53 St. Sulpice Street
Montreal

SOMETHING NEW

Caldwell Lightning Auger Bits.



Patented May 21, 1901.

This bit will bore two holes in less time than it takes to bore one with any other bit.

AGENTS:

Caverhill, Learmont & Co., - - - Montreal.
Wood, Vallance & Co., - - - - Hamilton.
Geo. D. Wood & Co., - - - - Winnipeg.

CURRENT MARKET QUOTATIONS.

May 30, 1902.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag and Straits—	
56 and 28 lb. ingots, 100 lb.	33 00 34 00

Tinplates.

Charcoal Plates—Bright	
M.L.S. equal to Bradley	Per box
I.C., usual sizes	$6 75
I.X., "	8 25
I.X.X., "	9 75
Famous, equal to Bradley—	
I.C.	6 75
I.X	8 25
I.X.X	9 75
Raven & Vulture Grades—	
I.C., usual sizes	5 00
I.X., "	6 00
I.X.X "	7 00
I.XXX., "	8 00
D.C., 12½x17	4 50
D.X	5 25
D.X.X	6 00
Coke Plates—Bright	
Bessemer Steel—	
I.C., usual sizes	4 25
I.C., special sizes, base	4 75
20 x 28	9 00
Charcoal Plates—Terne	
Dean or J. G. Grade—	
I.C., 20x28, 112 sheets	8 50
I.X., Terne Tin	10 50
Charcoal Tin Boiler Plates	
Cookley Grade—	Per lb.
X X., 14x56, 50 sheet bxs / " 14x60, " / " 14x65, "	0 06½
Tinned Sheets	
72x30 up to 24 gauge	8 00
" 26 "	8 50

Iron and Steel.

Common Bar, per 100 lbs	1 95 2 05
Refined " "	2 45
Horse Shoe Iron "	2 40
Hoop steel, 1½ to 3 in. base,	2 90
Sleigh Shoe Steel " base	2 10
Tire Steel	2 30 2 50
Reeled Machinery	3 00
Toe Calk Steel	2 85 3 00
T. Firth & Co's tool steel, per lb	0 12½ 0 13
Jessop's tool Steel	0 14
Morton's tool steel	0 12½ 0 13
Black Diamond and "B.C," tool steel	0 10 0 11
Chas. Leonard's tool steel	0 08 0 09
Park's "silver" tool steel	0 12 0 14
" "special"	0 15 0 20
Drill Steel, per lb	0 08 0 10

Boiler Tubes.

	Per foot.
1½, 1¾, and 4 inch	0 10
2½ in.	0 17½
3 "	0 14

Steel Boiler Plate.

¼ inch	2 50 2 60
5-16 inch	2 60 2 70
⅜ inch and thicker	2 50 2 60

Black Sheets.

	Com.	D.Fl.
18 gauge	2 85	3 00
20 gauge	2 85	3 00
22 to 24 "	2 95	3 25
26 "	3 05	3 50
28 "	3 15	

Copper Ware.

Discount, 50 per cent.

Canada Plates.

All dull, 52 sheets	3 00
Half polished	3 10
All bright	3 75

Black pipe— Iron Pipe.

	Per 100 Feet.
⅛ inch	2 90
¼ "	2 40
⅜ "	2 65
½ "	2 85
¾ "	3 65
1 "	5 20
1¼ "	7 35
1½ "	8 95
2 "	12 55
2½ "	24 00
3 "	28 00
3½ "	36 00
4 "	43 00
4½ "	50 00
5 "	57 00
6 "	73 00

Galvanized pipe—

¼ inch	3 20
⅜ "	3 45
½ "	3 85
¾ "	5 00
1 "	7 20
1¼ "	10 05
1½ "	12 10
2 "	16 85

Discount 4 per cent.

Malleable Fittings—Discount 40 p.c.

Cast Iron Fittings—

On all Cast Iron Fittings, including plugs, bushings, unions and nipples, 60 p.c dis.

All others—discount 60 p.c.

Galvanized Sheets.

	G O. Comet.	Amer.	Queen's Head.
16 gauge			
18 to 24 gauge	4 05	3 75	4 05
26 "	4 25	4 00	4 25
28 "	4 50	4 25 *4 40	4 50

Less than case lots 10 to 15c. extra.

*29 gauge.

Chain.

Proof Coil, 3-16 in., per 100 lb	
" ¼ " "	7 85 8 10
" 5-16 " "	5 25 5 50
" ⅜ " "	4 50 4 75
" 7-16 " "	4 25 4 50
" ½ " "	4 20 4 50
" 9-16 " "	4 05 4 50
" ⅝ " "	4 00 4 50
" ¾ " "	4 00 4 50

Halter kennel and post chains, 40 to 40 and 5 p.c.

Cow ties 40 p.c.

Tie-out chains 65 p.c.

Stall fixtures 35 p.c.

Trace chain 45 p.c.

Jack chain, iron, single and double discount 35 p.c.

Jack chain, brass single and double, discount 40 p.c.

Copper.

	Ingot	Per 100 lb.
English B S., ton lots		14 00
Lake Superior		

Bars.

Cut lengths round, ½ to ⅞ in.	23 00 25 00
" round and square 1 to 2 inches	23 00 25 00

Sheet.

Plain, 14 oz., and light, 16 oz., 14x48 and 14x60	22 00 22 50
Plain, 14 oz., and light, 16 oz., irregular sizes	22 50 23 00
Tinned copper sheets	24 00
Planished	32 00

Braziers (In sheets.)

4x6ft. 25 to 30 lbs. ea., per lb.	0 23
" 35 to 45 " "	0 22
" 50-lb. and above, "	0 21

Boiler and T. K. Pitts

Plain Tinned, per lb	0 28
Spun, per lb	0 32

Brass.

Rod and Sheet, 14 to 30 gauge, 15 per cent.	
Sheets, hard-rolled, 2x4	0 23
Tubing, base, per b	0 23½

Zinc Spelter

Foreign, per lb	5 50 6 00
Domestic "	

Zinc Sheet.

5-cwt. casks	6 00 6 25
Part casks	6 25 6 50

Lead.

Imported Pig, per 100 lb	3 50 3 75
Bar, b	0 05
Sheets, 2½ lbs. sq. ft., by	0 06¼
Sheets, 3 to 6 lbs., "	0 06

NOTE.—Cut sheets ½ cent per lb. extra.

Pipe, by the roll, usual weights per yard, lists at 7c. per lb. and 37½ p.c. dis. f.o.b. Toronto.

NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths lists at 7½ cents.

Shot.

Common, $6.50 per 100 lb.; chilled, $7.00 per 100 lb.; buck, seal and ball, $7.50. Discount, 22½ p.c. Prices are f.o.b. Toronto, Hamilton, Montreal, St. John and Halifax. Terms 3 per cent. cash, freights equalized.

Soil Pipe and Fittings.

Discount, 60 p.c. on medium and extra heavy, and 55 p.c. on light soil pipe: 60 p.c. discount on light soil pipe fittings, and 60 and 10 p.c. on medium and extra heavy.

Solder.

	Per lb.	Per lb.
Bar half-and-half, guarant'd		0 21
Bar half-and-half, commer'l		0 19½
Refined		0 19
Wiping		0 18½

Antimony.

Cookson's, per lb	9 50

White Lead.

	Per 100 lb.
Pure	5 87½
No. 1	5 50
No. 2	5 12½
No. 3	4 75
No. 4	4 37½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B B. Genuine	7 00
" " No. 1	6 00

Red Lead.

Genuine, 560 lb. casks, per cwt.	$4 75
Genuine, 100 lb. kegs, per cwt.	5 00
No. 1 560 lb. casks, per cwt.	4 25
No 1, lb kegs, per cwt	4 50

White Zinc.

Extra Red Seal	0 06 0 08
No. 1	0 05½ 0 07
No. 2	0 05 0 06

Dry White Lead.

Pure, casks	5 25
Pure, kegs	5 50
No. 1, casks	5 00
No. 1, kegs	5 25

Prepared Paints

In ¼, ½ and 1 gallon tins.

Pure, per gallon	1 25
Second qualities, per gallon	1 10
Barn (in bbls.)	0 60 0 90
The Sherwin-William Paints	1 40
Canada Paint Co's Pure	1 25
Toronto Lead & Color Co's Pure	1 25
Sanderson Pearcy's Pure	1 20
Stewart & Wood's Champion Pure	1 20

Colors in Oil.

25 lb. tins, Standard Quality.

Venetian Red, per lb	0 04½ 0 06
Chrome Yellow	0 12 0 14
Golden Ochre	0 08 0 10
French "	0 06
Marine Black	0 09
Chrome Green	0 10
French Imperial Green	0 12
Sign Writers' Black	0 16
Burnt Umber	0 11
" Sienna	0 11
Raw Umber	0 11
" Sienna	0 11

Colors, Dry.

Common Ochre bbls	1 20 1 30
Yellow Ochre J.F.L.S.), bbls	2 00
Yellow Ochre (La Belle)	1 15 1 25
Brussels Ochre	2 00
Venetian Red (best), bbl	1 75 2 00
English Oxides, per cwt	3 00 3 25
American Oxides, bbls	1 25 2 00
Canadian Oxides, bbls	1 25 1 75
Super Magnetic Oxides, 93p.c.	2 00 2 25
Burnt Sienna, pure, per lb	0 10
" Umber, " "	0 10
Raw do	0 09
Drop Black, pure	0 09
Chrome Yellows, pure	0 18
Chrome Greens, pure, per lb	0 09 0 10
Golden Ochre	0 04 0 05
Ultramarine Blue in 28-lb. boxes, per lb	0 06 0 18
Fire Proof Mineral, per 100 lb	1 00
Genuine Eng. Litharge, per lb	0 07
Mortar Color, per 100 lb	1 25 1 50
Pure Indian Red, No. 45 lb.	0 08 0 10
Whiting, bbl	0 55 0 60
English Vermillion in 50-lb. bags	0 95

Paris Green.

	per lb.
Petroleum Casks	0 14½ 0 16¾
Arsenic Kegs	0 15 0 17
50-lb. and 100-lb. drums	0 15½ 0 17½
25-lb. drums	0 16 0 18
1-lb packages	0 17½ 0 18½
½-lb. do	0 20 0 2 ½
1-lb. tins	
½-lb do	

F. O. B. Toronto. Terms—3 p. c. off 30 days, or 4 mos. from date of delivery.

Blue Stone.

Casks, for spraying, per lb	0 07
100-lb. lots, do. per lb	0 08

Putty.

Bulk in bbls.,	1 90
Bulk in less quantity	2 05
Bladders in bbls	2 25
Bladders in kegs, boxes or loose	2 40
Bladders in 25-lb. tins	2 35
Bladders in 12½-lb. tins	2 65
Bladders in bulk or tins less than 100 lb	2 90

Varnishes.

In 5-gal. lots.	Per Gal. net.
Carriage, No. 1	1 50 1 60
Pale Durable body	4 10 4 25
" rubbing	2 85 3 20
Gold Size, Japan	2 85 3 00
No. 1 Brown Japan	0 85 0 90
Elastic Oak	1 50
Furniture, extra	1 25
" No. 1	1 10
Hard Oil Finish	1 65 1 75
Light Oil Finish	1 40 1 60
Demar	1 70 1 85
Shellac, white	2 3 2 45
" orange	2 25 2 35
Turpentine Brown Japan	1 25 1 0
" Black Japan	0 85 1 20
" No. 1.	0 50 0 75

Elastilite Varnish 1 gal. can, each, $2 00.

Granitine Floor Finish per gal., $2.75.

Maple Leaf Coach Enamels; Size 1, $1 20 Size 2, 70c.; Size 3, 40c. each

Sherwin-Williams' Copal Varnish, assorted case, from ½ pts. to 1 gal., $2.50.

Castor Oil

East India, in cases, per lb	0 09½ 0 10
" " small lots	0 10 0 10½

Cod Oil, Etc.

Cod Oil per gal	0 50 0 55
Pure Olive	1 20
" Neatsfoot	90

Glue.

Common	0 08½ 0 09
French Medal	0 14 0 15
Cabinet sheet	0 12 0 13
White, extra	0 18 0 20
Gelatine	0 22 0 30
Strip	0 18 0 20
Coopers	0 19 0 20
Huttner	0 18

STEEL, PEECH & TOZER, Limited

Phœnix Special Steel Works. The Ickles, near Sheffield, England.

Manufacturers of

Axles and Forgings of all descriptions, Billets and Spring Steel, Tyre, Sleigh Shoe and Machinery Steel.

Sole Agents for Canada.

JAMES HUTTON & CO., - MONTREAL

HARDWARE.

Ammunition.

Cartridges.

B B Caps Dom. 50 and 5 per cent.
Rim Fire Pistol, dis 40 p. c., Amer
Rim Fire Cartridges, Dom., 5 (and 5 p. c
Central Fire Pistol and Rifle 10 p.c. Amer.
Central Fire Cartridges, pistol sizes Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 per cent.
Central Fire, Military and Sporting, Amer. add 5 p.c. to list. B.B. Caps, discount 40 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 10 p.c. advance on list.
Brass Shot Shells, 55 per cent.
Primers, Dom., 30 per cent.; American, $1.60.

Wads	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb. bags	70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads, in boxes of 1,000 each, 8 gauge	

Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 20 per cent.

Anvils.

Wright's, 80-lb. and over	0 10¾
Hay Budden, 80-lb. and over	0 09¼
Brook's, " " "	0 11¼

Augers.

Gilmour's discount 65 and 5 p.c. off list.

Axes.

Chopping Axes		
Single bit, per doz	5 50	10 00
Double bit, "	11 00	18 00
Bench Axes, 40 p.c.		
Broad Axes, 25 per cent.		
Hunters' Axes	5 50	6 00
Boys' Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Axle Grease.

Ordinary, per gross	5 75	6 00
Best quality	13 00	15 00

Bath Tubs.

Zinc	6 00
Copper, discount 15 p.c. off revised list	

Baths.

Standard Enameled.

5½-inch rolled rim, 1st quality	24 00
" " " 2nd "	20 00

Anti-Friction Metal.

"Tandem" A per lb.	0 27
" B "	0 21
" C "	0 11½
Magnolia Anti-Friction Metal, per lb	0 25
Frictionless metal, per lb	0 23

SYRACUSE SMELTING WORKS.

Aluminum, genuine	0 41
Dynamo	0 27
Special	0 22
Aluminum, 99 p.c. pure "Syracuse"	0 45

Bells.

Hand

Brass, 60 per cent.
Nickel, 55 per cent.

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Door.

Gongs, Sargant's	5 50	8 00
" Peterboro', discount 45 per cent		

Farm.

American, each	1 25	3 00

House.

American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00
Blacksmiths', discount 40 per cent.		

Belting.

Extra, 60 per cent.
Standard, 60 and 10 per cent.
No. 1, not wider than 6 in., 50 10 and 10 p.c.
Agricultural, not wider than 4 in., 75 p.c.

Bits.

Auger.

Gilmour's, discount 60 and 5 per cent.
Rockford, 50 and 10 per cent.
Jennings' Gen. net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind and Bed Staples.

All sizes, per lb	0 07¾	0 12

Bolts and Nuts.

	Per cent.
Carriage Bolts, common ($1 list)	55
" " full square ($2.40 list)	55
" " Norway iron ($3 list)	50
Machine Bolts, all sizes	50 and 5
Plough Bolts	50 and 5
Blank Bolts	50 and 5
Bolt Ends	50 and 5
Sleigh Shoe Bolts	65 and 5
Coach Screws, cone point	66⅔
Nuts, square, all sizes, 3½c. per lb off.	
Nuts, hexagon, all sizes, 3¾c. per lb. off.	
Stove rods, per lb.	5½ to 6c.
Nuts, in 50 lb. lots ¼c. per lb extra, in less than 50 lb. lots, ½c extra.	

Boot Calks.

Small and medium, ball, per M	4 25
Small heel, per M	4 50

Bright Wire Goods.

Discount ..... 63½ per cent

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dls., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent

Henis, No. 8	6 00
Henis, No. 9, "	7 00
Queen City "	7 50 0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Butcher Knives.

Bailey's, per doz	0 60	6 30

Building Paper, Etc.

Tarred felt, per 100 lb	1 70
Ready roofing, 2-ply, not under 45 lb. per roll	85
Ready roofing, 3-ply, not under 65 lb. per roll	1 10
Carpet felt, per ton	45 00
Dry sheathing, per roll, 400 sq. ft	30
Tar sheathing, " " "	40
Dry fibre " " "	50
Tarred fibre, " " "	60
O.K. & I.X.L., " " "	65
Resin-sized " " "	40
Oiled sheathing, " 600 "	1 10
" " " 400 "	70
Roof coating in barrels, per gal	17
" " small packages	25
Refined tar, per barrel	4 50
Coal tar, "	4 00
Coal tar, less than barrels, per gal	15
Roofing pitch, per 100 lb	85

Bull Rings.

Copper, $2.00 for 2½ in. and $1.90 for 2 in.

Butts.

Wrought Brass net revised list.

Cast Iron.

Loose Pin, dis., 60 per cent.

Wrought Steel

Fast Joint, dis. 65, 10 and 2½ per cent.
Loose Pin, dis. 65, 10 and 2½ per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.

Gen. Bronzed, per pair	0 40	0 65

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	....

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	8 50	9 50

Cement.

Canadian Portland	1 90	2 75
English "	3 00	3 15
Belgian "	2 50	2 75
Canadian hydraulic	1 25	1 50

Chalk.

Carpenters Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 70 per cent.
Warnock's, dis. 70 per cent.
P. S. & W. Extra 60, 10 and 5 p.c.

Churns.

Revolving Churns, metal frames—No. 0, $8—No. 1, $8.50—No. 2, $9.00—No. 3, $10.00—No. 4, $12.00—No. 5, $16.00 each. Ditto, wood frames—20c. each less than above.
Discounts: Delivered from factories, 56 p.c.; from stock in Montreal, 54 p.c.
Terms, 4 months or 3 p.c. cash in 30 days

Clips.

Axle dis. 65 per cent.

Closets.

	Net.
Plain York or Ontario Syphon Jet	$9 60
Emb. York or Ontario Syphon Jet	10 20
Fittings	1 00
Plain Elgin or Teu. Syphon Washout	6 00
Emb. Elgin or Teu. Syphon Washout	6 60
Fittings	1 25
Low Down Elgin or Teutonic, plain	9 60
" " " " emb.	10 20
Plain Richelieu	4 00
Emb. Richelieu	4 25
Connections	1 25
Low Down Oat. Sy. Jet, plain	11 70
" " " " emb'd.	12 30
Closet connection	1 25
Basins P.O., 14 in.	0 70
" oval 17 x 14 in.	1 50
" " 19 x 15 in.	2 25

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Conductor Pipe.

Plain or Corrugated.

2-inch, per 100 feet	3 00
3 " " "	4 00
4 " " "	5 25
5 " " "	6 75
6 " " "	9 00

Cradles, Grain.

Canadian, dis. 25 to 33⅓ per cent.

Crosscut Saw Handles.

S. & D., No. 3, per pair	17½
" " 5, "	22½
" 6, "	15
Boynto pattern "	20

Door Springs.

Torrey's Rod, per doz	(15 p.c.	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Coach and Wagon, dis. 50 and 10 per cent.
Carpenters, dis. 70 per cent.

Drills.

Hand and Breast

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis., 37½ to 40 per cent.
Standard dis. 50 and 5 to 55 per cent.

Faucets.

Common, cork-lined, dis. 35 per cent.

EAVE TROUGH.

10-inch, per 100 ft	$3 10

ELBOWS. (Stovepipe.)

	per doz.
5 and 6-inch, common	1 20
7-inch	1 35

Polished, 15c. per doz. extra.

ESCUTCHEONS.

Discount, 40 per cent.

ESCUTCHEON PINS.

Iron, discount 40 per cent.

FACTORY MILK CANS.

Discount off revised list, 40 per cent.

FILES AND RASPS.

Great Western	70 and 10 per cent.
Arcade	70 " 10 "
Kearney & Foot	70 " 10 "
Disston's	70 " 10 "
American	70 " 10 "
J. Barton Smith	70 " 10 "
McClellan	70 " 10 "
Eagle	70 " 10 "
Nicholson, 60 and 10 to 60, 10 and 5	"
Royal	80 "
Globe	70 to 75 "

Black Diamond, 60 and 10 to 60, 10 and 5 p.c.
Jowitt's, English list, 25 to 27½ per cent.
Nicholson File Co.'s "Simplicity" file handle per gross, 85c. to $1.50.

GLASS—Window—Box Price.

Size United Inches.	Star 50 ft.	Star 100 ft	D. Diamond 50 ft.	D. Diamond 100 ft.
Under 26	2 20	4 25	....	6 25
26 to 40	2 40	4 65	....	6 75
41 to 50	....	5 10	....	7 50
51 to 60	....	5 35	....	8 50
61 to 70	....	5 75	....	9 75
71 to 80	....	6 25	....	11 00
81 to 85	....	7 00	....	12 55
86 to 90	....	7 75	..	15 00
91 to 95	..	....	..	17 50
96 to 100	.. ..	....	..	20 50

GAUGES

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's Nos. 26 to 33, each	1 65	2 40

HALTERS.

Rope, ⅜ per gross	....	....
" ½ "	....	9 00
" ⅝ to ¾	....	14 00
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

Maydole's, dis. 5 to 10 per cent 25 to 27½ per cent.	Can.	dis.

Tack.

Magnetic per doz	1 10	1 50

Sledge.

Canadian per lb	0 07½	0 08¼

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz. net	1 50	2 00
Store door, per doz	1 00	1 50

Fork.

C. & B., dis. 40 per cent. rev. list.

Hoe.

C. & B., dis. 40 per cent. rev. ist.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	5

Hammer and Hatchet.

Canadian, 40 per cent.

Cross-Cut Saws.

Canadian, per pair	0 13¾

		doz. pairs.
Steel barn door	5 85	6 00
Stearns, 4 inch	....	5 00
" 5 inch	....	6 50

Lane's covered—

No. 11, 5-ft. run	....	8 40
No. 11½, 10-ft. run	....	10 80
No. 12, 10-ft. run	....	12 60
No. 14, 15-ft. run	....	21 00
Lane's O.N.T. track, per foot	....	4½

HARVEST TOOLS

Discount, 60 per cent.

HATCHETS

Canadian, dis 40 to 42½ per cent.

Progress

Twenty-five years ago we commenced making Tarred Paper in Montreal, using a hand-power machine, with a daily output of about 100 rolls. To-day we have Paper Mills at Portneuf and St. Bazile; Factories at Toronto, Montreal and Halifax in which we are running **six** Steam Power Tarring Machines, **three** Machines for making Wire Edged Ready Roofing, and **five** Stills for the manufacture of Roofing Pitch.

Our daily capacity is **fifteen** tons Dry Paper, **two thousand** rolls Tarred Paper, **eighteen hundred** rolls Wire Edged Ready Roofing and **twenty** tons Roofing Pitch.

The Paterson Mfg. Co., Limited

Toronto. Montreal. St. John. Halifax.

HINGES.

Blind, Parker's, dis. 50 and 10 to 60 per cent.
Heavy T and strap, 4-in., per lb.... 0 06½
" " " 5-in., " 0 06¼
" " " 6-in., " 0 06
" " " 8-in., " 0 05¾
" " " 10-in., " 0 05½
Light T and strap, dis. 65 and 5 per cent.
Screw hook and hinge—
6 to 10 in., per 100 lbs.... .... 4 50
12 in. up, per 100 lbs..... .... 3 25
Per gro. pairs
Spring..... .... 12 00

HOES.

Garden, Mortar, etc., dis. 60 p.c.
Planter, per doz..... 4 00 4 50

HOLLOW WARE

Discount,..... 45 and 5 per cent.

HOOKS.

Cast Iron.

Bird Cage, per doz.....	0 50	1 10
Clothes Line, per doz.....	0 27	0 63
Harness, per doz.....	0 72	0 88
Hat and Coat, per gross.....	1 00	3 00
Chandelier, per doz.....	0 50	1 00

Wrought Iron.
Wrought Hooks and Staples, Can. dis. 47½ per cent.
Wire.
Hat and Coat, discount 45 per cent.
Belt, per 1,000 ..... 0 60
Screw, bright, dis. 55 per cent.

HORSE NAILS.

"C" brand 50 and 7½ p.c. off new list } Oval-
"M" brand 50, 10 and 5 per cent. } head
Countersunk, 60 per cent.

HORSESHOES.

Iron Shoes.	F.O.B. Montreal No. 2 and larger.	No. 1. and smaller.
Light, medium and heavy...	3 50	3 75
Snow shoes.....	3 75	4 00
Steel Shoes.		
Light.....	3 60	3 85
Featherweight (all sizes).....	4 85	4 85

F.O.B. Toronto, Hamilton, London and Guelph, 10c. per keg additional.
Toe weight steel shoes..... 6 70

JAPANNED WARE.

Discount, 45 and 5 p.c. off list, June 1899.

ICE PICKS.

Star per doz..... 3 00 3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.

Copper, per lb.....	0 30	0 50

American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 45 p.c.
Cabinet, trunk, and padlock, Am. per gross..... 60

KNOBS.

Door, japanned and N.P., per doz.....	1 50	2 50
Bronze, Berlin, per doz.....	2 75	3 25
Bronze Genuine, per doz....	6 00	9 00
Shutter, porcelain, F. & L screw, per gross	1 30	4 00
White door knobs—per doz.	95	1 00

HAY KNIVES.

Discount, 60 per cent.

LAMP WICKS.

Discount, 60 per cent.

LANTERNS.

Cold Blast, per doz.....	7 00
No. 3 "Wright's".....	8 50
Ordinary, with O burner.....	4 00
Dashboard, cold blast.....	9 00
No. 0.....	5 75

Japanning, 50c. per doz. extra

LEMON SQUEEZERS.

Porcelain lined, ...per doz.	2 20	5 60
Galvanized	1 87	3 85
King, wood.....	2 75	2 90
King, glass.....	4 00	4 50
All glass.....	1 20	1 30

LINES.

Fish per gross.....	1 05	2 50
Chalk "	1 90	7 40

LOCKS

Canadian, dis 40 p.c.

Russel & Erwin per doz....	3 00	3 25

Cabinet.
Eagle, dis. 30 p.c.

Padlocks.

English and Am. per doz....	50	6 00
Scandinavian, "	1 00	2 40

Eagle, dis. 20 to 25 p.c.

MACHINE SCREWS. Iron and Brass.

Flat head discount 25 p.c.
Round Head discount 20 p.c.

MALLETS.

Tinsmiths' per doz.....	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz..	3 85	5 00
Caulking each.....	60	2 00

MATTOCKS.

Canadian, per doz.....	5 50	6 50

MEAT CUTTERS.

American, dis. 25 to 30 p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are;	Cut.	Wire.
2 d and 3d	$3 45	$3 55
3 d	3 10	3 22
4 and 5d..... ..	2 85	3 05
6 and 7d.....	2 75	2 90
8 and 9d.....	2 60	2 70
10 and 12d.....	2 55	2 65
16 and 20d.....	2 50	2 60
30, 40, 50 and 60d. (base).....	2 45	2 55

Wire nails in carlots are $2.50
Galvanizing 2c. per lb. net extra.
Steel Cut Nails 10c. extra.
Miscellaneous wire nails, dis. 75 p.c.
Coopers' nails, dis. 30 per cent.
Flour barrel nails, dis. 25 per cent

NAIL PULLERS.

German and American.....	1 85	3 50

NAIL SETS.

Square, round, and octagon per gross.....	3 38	4 00
Diamond.....	12 00	15 00

POULTRY NETTING.

2-in. Mesh, 19 w.g., dis. 50 and 5 to 50 and 10 p.c.
2-in. Mesh, 18 w.g. and heavier, 50 p.c.

OAKUM. Per 100 lb

Navy	6 00
U.S. Navy.....	7 25

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal. per doz.....	10 00
Zinc and tin, dis. 50, 50 and 10 .	
Copper, per doz.....	1 25 3 50
Brass, "	1 50 3 50
Malleable, dis. 25 per cent.	

GALVANIZED PAILS.

Dufferin pattern pails, dis. 45 p.c.
Flaring pattern, discount 45 per cent.
Galvanized washtubs discount 45 per cent.

PIECED WARE.

Discount 40 per cent. off list, June, 1899.
10-qt. flaring sap buckets, dis. 40 p.c.
6, 10 and 14-qt. flaring pails, dis. 40 p.c.
Creamer cans, dis. 40 p.c.

PICKS.

Per doz.....	6 00	9 00

PICTURE NAILS.

Porcelain head, per gross...	1 75	3 00
Brass head "	0 40	1 00

PICTURE WIRE.

Tin and gilt, discount 75 p.c.

PINE TAR.

½ pint in tins, per gross.	7 80
1 " "	9 60

PLANES.

Wood, bench, Canadian dis. 40 per cent. American dis. 50.
Wood, fancy Canadian or American 7½ to 40 per cent.

PLANE IRONS.

English per doz.....	2 00	5 00

PLIERS AND NIPPERS.

Button's Genuine per doz pairs, dis. 37½ 40 p.c.
Button's Imitation, per doz.. 5 00 9 00
German, per doz..... 0 60 2 60

PLUMBERS' BRASS GOODS.

Standard Compression work, dis. 60 p.c.
"J.M.T." Cushion work, dis. 50 p.c.
Fuller work, dis. 65 p.c.
6 doz. lots and over of the above, extra dis. 10 p.c.
Lever Handle Stops and Waste, discount 60 p.c. With, in lots of 2 doz. and over, an extra dis. of 10 p.c.
"J.M.T." Globe, Angle and Check Valves, dis 55 p.c.
Standard Globe, Angle and Check Valves, dis. 65 p.c.
"J.M.T." Radiator Valves dis. 55 p.c.
Standard " " dis., 65 p.c.
Patent Quick Opening Valves, dis. 70 p.c.
No. 1 compression bath cock, net .. 2 00
No. 4 " " " 2 00
No. 7, Fuller's 2 90
No. 4½, " 2 35
Patent Compression Cushion, basin cock, hot and cold, per doz 15 00
Patent Compression Cushion, bath cock No. 2208 ..... 2 25
Square head brass cocks, 60 p.c.
" " iron " 60 p.c.
Competition Globe, Angle and Check Valves discount, 70 p.c.
Competition Quick Opening Radiator Valves, discount, 70 p.c.

PRESSED SPIKES.

Discount 22½ per cent.

PULLEYS.

Hothouse, per doz.....	0 55	1 00
Axle.....	0 22	0 33
Screw.....	0 27	1 00
Awning.....	0 35	2 50

PUMPS.

Canadian cistern.....	1 80	3 60
Canadian pitcher spout.....	1 40	2 10

PUNCHES.

Saddlers', per doz.....	1 00	1 85
Conductors's '	9 00	15 00
Tinners', solid per set.....	0 00	0 72
" hollow per inch.....	0 00	1 00

RANGE BOILERS. Net.

Dominion, 30 gal.	5 75
Dominion, 35 "	6 75
" 40 "	7 75
Ronald's Galvanized, 30 gallons	6 50
" " 35 "	7 50
" " 40 "	8 50
Copper, 30 gallons.....	20 00
" 35 "	23 20
" 40 "	26 40

RAKES.

Wood, per doz. net	110

RAZORS.

	per doz.	
Elliot's	4 00	18 00
Geo. Butler & Co.'s.....	4 00	18 00
Boker's.....	7 50	11 00
" King Cutter.....	12 50	50 00
Wade & Butcher's	3 60	10 00
Theile & Quack's.....	7 00	12 00
Bailey's	6 00	12 00
Carbo Magnetic Razor		15 00
Griffon Barbers' Favorite		10 75
Griffon No. 65.....		13 0
Griffon Safety Razors.....		14 50
" Stropping Machines.		13 50

All other razors 50 p.c. off catalogue price.

REGISTERS.

Discount ..... 40 per cent

RIVETS AND BURRS.

Iron Rivets, black and tinned, discount 60 and 10 per cent.
Iron Burrs, discount 55 per cent.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets with usual proportion burrs, 45 and 10 dis., cartons, 1c. per lb. extra, net.
Copper Burrs only, 30 and 0 p.c.
Extras on Tinned or Coppered Rivets, ½-lb. cartons, 1c. per lb.

RIVET SETS.

Canadian, dis. 35 to 37½ per cent.

ROPE, ETC.

Sisal	13
Pure Manilla.....	16
"British" Manilla.....	14½
Cotton, 3-16 inch and larger.....	16
" 5-32 inch.....	21
" ⅛ inch	22
Russia Deep Sea.	15
Jute.....	6
Lath Yarn	

Sisal bed cord, 48 ft..... per doz. 65
" " 60 ft..... " 80
" " 72 ft..... " 95

RULES.

Boxwood, dis. 55 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS. per set.

Mrs. Potts, No. 55, polished.	70
" No. 50, nickle-plated.	75

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 5 per cent.
Emery, 40 per cent.
Garnet (Rurton's), 5 to 10 p.c. advance on list.

SAP SPOUTS.

Bronzed iron with hooks, per doz. 9 50

SAWS.

Hand Disston's, dis. 12½ p.c.
S. & D., 40 per cent.

Crosscut, Disston's, per ft..	0 35	0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3		
Hack, complete, each	0 75	2 75
" frame only		0 75

SASH WEIGHTS.

Sectional, per 100 lbs.....	2 25	2 50
Solid, "	1 75	2 00

SASH CORD.

Per lb.....	0 23	0 30

SAW SETS.

Lincoln and Wh ting, per doz.	4 75
Hand Sets, No. 1 Woodyatt (Morrill)	4 25
X-cut Sets, No. 3 Woodyatt (Morrill)	9 50

SCALES.

Burrow, Stewart & Milne—
Imperial Standard, 45 per cent.
Weigh Beams, 35 per cent.
Champion Scales, 55 per cent
Fairbanks Standard, 35 p.c.
" Dominion, 55 p.c.
" Richelieu, 55 p.c.
Warren's new Standard 45 p.c.
" " Champion 55 p.c.

SCREW DRIVERS.

Sargent's per doz.....	0 65	1 00

SCREWS.

Wood, F.H., bright and steel, 87½ and 10 p.c.
Wood R. H., " dis. 82½ and 10 p.c.
" F. H., brass dis. 80 and 10 p.c.
Wood, R. H., " dis. 75 and 10 p.c.
" F.H., bronze, dis. 75 p.c.
" R.H. " 70 p.c.
Drive Screws, 87½ and 10 per cent.

Bench, wood, per doz.	3 25	4 00
" iron. "	4 25	5 00

Set, Case hardened, 60 per cent.
Square Cap, 50 and 5 per cent.
Hexagon Cap, 45 per cent.

SCYTHES.

Per doz., net.....	5 00	8 00

SCYTHE SNATHS.

Canadian, dis. 45 p.c.

SHEARS.

Bailey Cutlery Co., full nickeled, dis. 60 and 2½ p.c.
Bailey Cutlery Japan handles, 67½ p.c.
Seymour's, dis. 50 and 10 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SINKS.

Steel and galvanized, discount 45 per cent

SNAPS.

Harness, German, dis. 25 p.c.		
Lock, Andrews'.....	4 50	11 50

SOLDERING IRONS.

1, 1½ lb., per lb.....	0 37
2 lb. or over, per lb.....	0 34

SQUARES.

Iron, No. 493, per doz.....	2 40	2 55
" No. 494, "	3 25	3 40

Steel, dis. 60, 10 and 5 p.c.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.

Plain, dis., 75 and 12½ p.c. off revised list.
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized.....	3 25	3 50
Plain.....	2 90	3 15

Coopers', discount 45 per cent.
Poultry netting staples, 40 per cent.

STANDARD CHAIN CO., PITTSBURGH, U. S. A.

MANUFACTURERS OF **CHAIN** OF ALL KINDS.

Proof Coil, B.B., B.B.B., Crane, Dredge Chain, Trace Chains, Cow Ties, etc.

ALEXANDER GIBB, Montreal. —Canadian Representatives— A. C. LESLIE & CO., Montreal.

For Provinces of Ontario and Quebec. For other Provinces.

STOCKS AND DIES.

American dis. 25 p.c.

STONE.		Per lb.
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip	0 09	0 09
Labrador	....	0 13
" Axe	....	0 15
Turkey	....	0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, 2 in, 40 to 200 lb. per ton	....	25 00
" under 40 lb. "	....	28 00
Grind. under 2 in. thick "	....	29 00

STOVE PIPES.

5 and 6 inch Per 100 lengths	....	7 00
7 inch " "	....	7 50

ENAMELINE STOVE POLISH.

No. 4—3 dozen in case, net cash	$4 80
No. 6—3 dozen in case, "	8 40

TACKS, BRADS, ETC.

Cheese-box tacks, blued	80 & 12½
Trunk tacks, black and tinned	85
Carpet tacks, blued	80 & 15
" " tinned	80 & 20
" " (in kegs)	40
Cut tacks, blued, in dozens only	80
" ¼ weights	60
Swedes cut tacks, blued and tinned—	
In bulk	80 & 10
In dozens	75
Swedes, upholsterers', bulk	85, 12½ & 12½
" brush, blued & tinned, bulk	70
" gimp, blued, tinned and japanned	75 & 12½
Zinc tacks	35
Leather carpet tacks	55
Copper tacks	50
Copper nails	52½
Trunk nails, black	65 and 5
Trunk nails, tinned	65 and 10
Clout nails, blued	65 and 5
Chair nails	35
Patent brads	40
Fine finishing	40
Lining tacks, in papers	10
Lining tacks, in bulk	15
" " solid heads, in bulk	75
Saddle nails in papers	10
" " in bulk	15
Tufting buttons, 22 line, in dozens only	60
Tin capped trunk nails	25
Zinc glazier's points	5
Double pointed tacks, papers	90 and 10
" " " bulk	40
Shoe nails	60
Clinch and duck rivets	45

TAPE LINES.

English, ass skin, per doz.	2 75	5 00
English, Patent Leather	5 50	9 75
Chesterman's each	0 90	2 85
" steel, each	0 80	8 00

TINNERS' SNIPS.

Bailey's, dis. 25 p.c.

THERMOMETERS.

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TRAPS. (Steel.)

Game, Newhouse, dis. 25 p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's discount 10 per cent.

German, per doz.	4 75	6 00

S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb.	....	0 27
Wrapping, cotton, 3-ply	....	0 19
" 4-ply	....	0 23
Mattress, per lb.	0 33	0 45
Staging, "	0 27	0 35

VISES.

Wright's	....	0 13½
Brook's	....	0 12¾
Pipe Vise, Hinge, No. 1	....	3 50
" " " No. 2	....	5 50
Saw Vise	4 50	9 00

ENAMELLED WARE.

White, Princess, Turquoise, Blue and White, discount 50 per cent.
Diamond, Famous, Premier, 50 and 10 p.c.
Granite or Pearl, Imperial, Crescent, 50, 10 and 10 per cent.

WIRE.

SMOOTH STEEL WIRE.

No. 0-9 gauge		$2 60
10 "		6c. extra.
11 "		12c. "
12 "		20c. "
13 "		30c. "
14 "		40c. "
15 "		55c. "
16 "		70c. "

Add 60c. for coppering and $2 for tinning

Extras net per 100 lb. — Oiled wire 10c., spring wire $1.25, special hay baling wire 30c., best steel wire 75c., bright soft drawn 15c., charcoal (extra quality) $1 25, packed in casks or cases 15c., bagging and papering 10c., 50 and 100-lb. bundles 10c., in 25-lb. bundles 15c., in 5 and 10-lb. bundles 25c., in 1-lb. hanks 50c., in ½-lb. hanks 75c., in ¼-lb. hanks $1.

Fine Steel Wire, dis. 22½ per cent List of extras : In 100-lb. lots : No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, 7.65—No. 24, $8—No. 25, $9—No. 26 $9.50—No. 27, $10—No. 28, $11 No. 29. $12—No. 30, $13—No. 31, $14—No. 32 $15, No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31 $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles, 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Galvanized Wire, per 100 lb.—Nos. 6, 7 8, $3 50 to $3 85—No. 9, $2.85 to $3.15—No. 10, $3.60 to $3.95—No. 11, $3.70 to $4.10—No. 12, $3 to $3.30—No. 13, $3.10 to $3.40—No. 14, $4.10 to $4.50—No. 15, $4.60 to $5.05—No. 16. $4.85 to $5.35. Base sizes, Nos. 6 to 9 $2.52½ f.o.b. Cleveland.
Clothes Line Wire, regular 7 strand No. 17, $4.65; No. 18, $2.90; No. 19, $2.60. Hollow 6 strand, No. 17, $4.30; No. 18, $2 70, No. 19, $2.35; No 20, $2.30, f.o.b. Hamilton, Toronto Montreal.

WIRE FENCING.

Galvanized barb	....	3 00
Galvanized, plain twist	....	3 00

Galvanized barb, f.o.b. Cleveland, $2.77½ in less than carlots, and $2.65 in carlots

WIRE CLOTH

Painted Screen, per 100 sq. ft., net. 1 37½
Terms, 3 per cent. off 30 days.

WASTE COTTON.

	per lb.
Colored	6
White	8

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 60 p.c.
Coe's Genuine, dis. 20 to 25 p.c.

Towers' Engineer, each	2 00	7 00
" S., per doz.	5 80	6 00
G. & K.'s Pipe, per doz.	....	3 40
Burrell's Pipe, each	....	3 00
Pocket, per doz.	0 25	2 90

WRINGERS.

Leader, per doz.	$30 00	33 00
Royal Canadian	...	24 00
Royal American	....	24 00
Sampson	....	24 00

Terms 4 months, or 3 p.c. 30 days

WROUGHT IRON WASHERS.

Canadian make, discount, 40 per cent.

ADVERTISING in WESTERN CANADA

will be Carefully Efficiently, and Promptly attended to, by

The Roberts Advertising Agency,
WINNIPEG CANADA.

"PULLMAN"
TROUSER or SKIRT HANGERS.
TWO SIZES



PULLMAN SASH BALANCE CO.,
ROCHESTER, N.Y., U.S.A.

Standard Paint & Varnish Works Limited
Makers of High Grade Varnishes, Japans, Paints, Colors & Enamels
Windsor, Ont.

STEVENS-MAYNARD JR. RIFLE

The Young Gentleman's Rifle.



The Young Gentleman's Rifle.

If you want the best cheap rifle ever made we have it in the Stevens-Maynard Jr. It will be a great seller this year. Better place order now.

The leading Jobbers handle Stevens products.

J. Stevens Arms & Tool Co., P.O. Box 217 Chicopee Falls, Mass., U.S.A.

CELEBRATED **HEINISCH** SHEARS.

Tailors' Shears,
Trimmers, Scissors,
Tinners' Snips, etc.



ACKNOWLEDGED THE BEST.

R. HEINISCH'S SONS CO. NEW YORK OFFICE, 90 Chambers St. NEWARK, N.J., U.S.A.

Not connected with any Shear Combination.



Ontario Nut Works, Paris

BROWN & CO.

Manufacturers of

All sizes of Hot Pressed Nuts, Square and Hexagon.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker,

13 St. John Street, Montreal

Representing British and American Manufacturers. Correspondence invited from firms wishing to be represented in Canada.

"THE EMLYN" SAW BENCH

Made in 6 sizes. Best value obtainable. Specially designed for export With or without "Emlyn" Patent Guard. Sole maker—

CHARLES D. PHILLIPS,

Cables—"Machinery," Newport.

Emlyn Engineering Works, NEWPORT, MON., ENGLAND.

ONTARIO SILVER CO.,

Limited,

NIAGARA FALLS, CANADA.

Manufacturers of **FLATWARE, CUTLERY and ELECTRO PLATE.** . . .

Ask for our Catalogue and Quotations.

The Batty Stove & Hardware Co.

Successors to

The Toronto Branch of THE COPP BROS. CO, Limited.

WHOLESALE DEALERS IN

Mantels, Grates, Tiles, etc.

Coal Grates. Gas Grates.

Gas Logs.

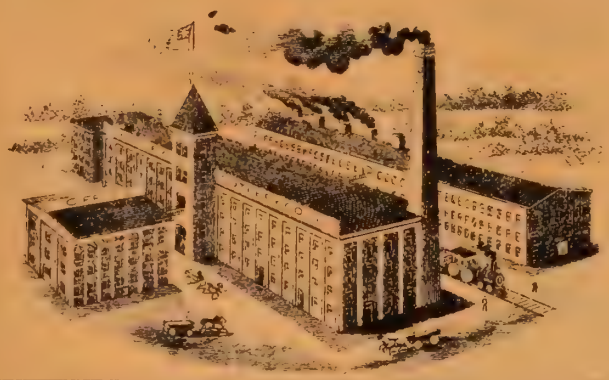
HOT-AIR REGISTERS A SPECIALTY

Stove repairs for the Copp Bros'. make of Stoves and Furnaces.

New Address—76 York Street, TORONTO.

OUR LARGE NEW FACTORY

WHERE



Shears, Scissors, Razors, Butcher Knives and other Cutlery are made by

BAILEY CUTLERY CO., Limited

BRANTFORD, ONT.

Write for catalogue and prices.

CHAS. F. CLARK, President. **JARED CHITTENDEN, Treasurer.**

...ESTABLISHED 1849...

BRADSTREET'S

Capital and Surplus, $1,500,000. **Offices Throughout the Civilized World.**

Executive Offices: Nos. 346 and 348 Broadway, New York City, U.S.A.

THE BRADSTREET COMPANY gathers information that reflects the financial condition and the controlling circumstances of every seeker of mercantile credit. Its business may be defined as of the merchants, by the merchants, for the merchants. In procuring, verifying and promulgating information no effort is spared, and no reasonable expense considered too great, that the results may justify its claim as an authority on all matters affecting commercial affairs and mercantile credit. Its offices and connections have been steadily extended, and it furnishes information concerning mercantile persons throughout the civilized world.

Subscriptions are based on the service furnished, and are available only by reputable wholesale, jobbing and manufacturing concerns, and by responsible and worthy financial, fiduciary and business corporations. Specific terms may be obtained by addressing the Company at any of its offices. **Correspondence Invited.**

——OFFICES IN CANADA——

HALIFAX, N.S.	HAMILTON, ONT.	LONDON, ONT.	MONTREAL, QUE.
OTTAWA, ONT.	QUEBEC, QUE.	ST. JOHN, N.B.	TORONTO, ONT.
VANCOUVER, B.C.	VICTORIA, B.C.	WINNIPEG, MAN.	

THOS. C. IRVING. Gen. Man. Western Canada, Toronto. JOHN A. FULTON. Gen. Man. Eastern Canada, Montreal.



Canadian Representative: ALEXANDER GIBB, 13 St. John St., MONTREAL.

75 YEARS. *ESTABLISHED 1825.* *75 YEARS*

BEAMS CHANNELS ANGLES PLATES

1,500 TONS FOR SALE

All of this material in lengths from 40 to 60 feet.
We can ship promptly, and should be pleased to receive your order.
Prices and stock lists on application.

STEEL FRAME BUILDINGS and ROOF TRUSSES.

Also Steel Bridges for Railways and Highways.

THE HAMILTON BRIDGE WORKS COMPANY LIMITED

Long Distance Telephone, Hamilton 630. **HAMILTON, CANADA.**

Est. 1808 Inc. 1895

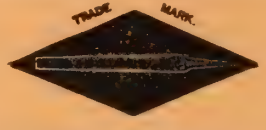
Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve  Medals

Awarded
By **JURORS** at
International Expositions
Special Prize
Gold Medal at Atlanta, 1895



RUBBER HOSE

FOR

Water	Air	Suction
Steam	Acids	Fire Protection
Gas	Brewers	Pneumatic Tools

SUPERIOR IN QUALITY.
SATISFACTORY IN SERVICE.

When you want anything made of rubber, write to us.

THE GUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

Head Office and Warerooms—
45-47-49 West Front St.

TORONTO,

Factories—115-165 West Lodge Ave.
124-148 O'Hara Ave.

CANADA.

We can quote lowest prices for the following goods in quantities, viz.:

BLACK STEEL SHEETS.
POLISHED STEEL SHEETS.
RANGE STEEL.
GALVANIZED SHEETS.
CANADA PLATES.
SHEET COPPER.
SHEET ZINC.
TIN PLATES—Coke and Charcoal.
WINDOW GLASS
PLATE GLASS.
WHITE LEAD.
RED LEAD.

Send us your enquiries when next in the market.

B. & S. H. THOMPSON & CO.

53 St. Sulpice Street,

MONTREAL.

VARNISHES AND JAPANS

McCASKILL, DOUGALL & CO.

Manufacturers MONTREAL



Standard Railway and Carriage Varnishes
Standard Boat and Spar Varnishes
—Wont turn white from the effects of water and sun.
Standard Piano, Furniture and Decorative Varnishes
Zanzerine Transparent Wood Finishes and Varnishes
Architectural Varnishes

OFFICES:

161 Summer St., BOSTON, Mass., U.S.A.
30 St. John St., MONTREAL.

...e Best Value for all Machinery Bearings,
LANGWELL'S BABBIT
MONTREAL.

CANADIAN

HARDWARE AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XIV. MONTREAL AND TORONTO, JUNE 7, 1902 NO. 23.

POCKET KNIVES
H. BOKER & COS
IMPROVED
TREE BRAND
TRADE MARK
RAZORS CUTLERY SCISSORS
FOR SALE BY LEADING WHOLESALE HARDWARE HOUSES.


CANADA

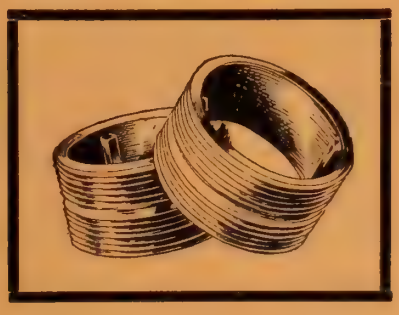
GALVANIZED IRON LEADERS.
"QUEEN'S HEAD"
The world's standard for quality and durability.



"FLEUR DE LIS"
Second only to "Queen's Head."

JOHN LYSAGHT, Limited
Makers of Galvanized Iron, Steel Sheets, etc.
Canadian Branch—
A. C. LESLIE & CO., Montreal, Managers.

"That Made the Hit"



This is a drawing of the Patent Connection that made the "SAFFORD" famous the world over; that revolutionized radiator building; that made it possible to put a radiator together without bolts, red lead, rods or packing.

The "SAFFORD" is the only radiator on the market for hot-water and steam heating. It means satisfaction every time—is easy to handle for the contractor.

If you have not our Catalogue, write to us.

THE DOMINION RADIATOR CO., Limited
Head Office and Works: DUFFERIN ST. TORONTO, CAN.

HOSE

HOSE and LAWN MOWERS

RICE LEWIS & SON
LIMITED

Write for Catalogue and Prices. TORONTO.

COTTON WASTE

WHITE COLORED

Prompt shipment. Prices right.

M. & L. SAMUEL, BENJAMIN & CO.

27 Wellington St. West, TORONTO, ONT.

English House: SAMUEL, SONS & BENJAMIN, 164 Fenchurch St., LONDON, E.C.

THEY'RE ALL ALIKE

THAT'S THE BEAUTY OF THE

CARBO MAGNETIC



No Saw Edges
No Soft Spots
No Temper Streaks
No Returned Blades to the Dealer
Will Shave for Years Without Requiring Honing

Sold by all Leading Jobbers.

FIRM OF

A. L. SILBERSTEIN

Mfrs. of "Griffon" CUTLERY

BOOKLET COMING— if you'll ask for a copy with trade discount.

459-461 Broadway, NEW YORK CITY.

GARDEN HOSE

Seamless Tube.

SEAMLESS TUBE LAPPED TUBE



All brands of our **GARDEN HOSE** are made with our

Patent Seamless Tube

WRITE FOR DISCOUNTS.

The Canadian Rubber Co.

MONTREAL TORONTO WINNIPEG

Other Tools are very good Tools, but

"YANKEE TOOLS"

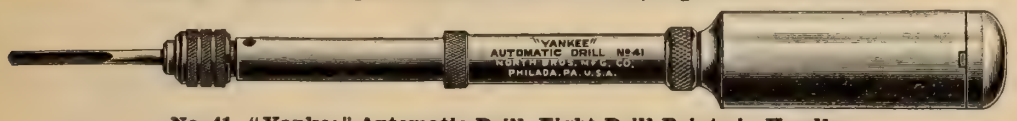
ARE BETTER



No. 15. "Yankee" Ratchet Screw Driver, with Finger Turn on Blade.



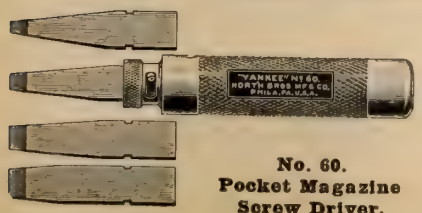
No. 30. "Yankee" Spiral-Ratchet Screw Driver, Right and Left Hand.



No. 41. "Yankee" Automatic Drill, Eight Drill Points in Handle.



No. 50. "Yankee" Reciprocating Drill, for Iron, Steel, Brass, Wood, etc.



No. 60. Pocket Magazine Screw Driver.

Our "YANKEE" Tool Book tells all about them. Mailed free on application. . . . . .

Manufacturers also of

LIGHTNING, GEM and BLIZZARD Ice Cream Freezers.

Toy Freezers, Ice Shaves and Ice Chippers.

Fluting Machines, Hand Fluters.

Sold by Leading Jobbers in Canada.

NORTH BROS. MFG. CO.,

Philadelphia, Pa., U.S.A.

1/3 SIZE.



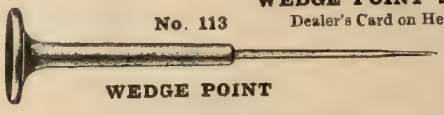
No. 104

WEDGE POINT
Dealer's Card on Head in Gross Lots.



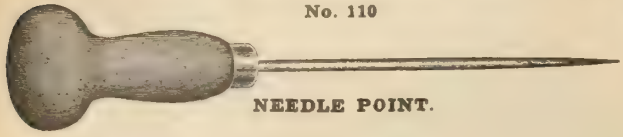
No. 112

WEDGE POINT SPRING PICK.
Dealer's Card on Head in Gross Lots.



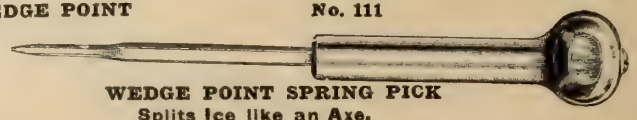
No. 113

WEDGE POINT



No. 110

NEEDLE POINT.



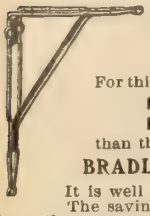
No. 111

WEDGE POINT SPRING PICK
Splits Ice like an Axe.

WALKER'S QUICK AND EASY ICE PICKS. ANTI-RUST NICKEL-PLATED.

Steel Tempered; will not Bend, Break or Rust

ERIE SPECIALTY CO., Erie, Pa., U.S.A.



Will Hold Up a Shelf!

That's what a shelf bracket is for.
For this purpose there can be
NOTHING BETTER
NOTHING CHEAPER
than the ....
BRADLEY STEEL SHELF BRACKET
It is well **Japanned, Strong** and **Light,** The saving in freight is a good profit, aside from the **lower price** at which the goods are sold

☞ Order direct or through your jobber.

ATLAS MFG. CO., New Haven, Conn., U.S.A.

GALVANIZING

Our plant is modern, and capacity large. Prices O.K. Other branches:

WINDMILLS, PUMPS, TANKS, FOUNDRY WORK, ETC., ETC.

Ontario Wind Engine & Pump Co., Limited, 505 Atlantic Ave., Toronto.

Lockerby & McComb

AGENTS IN CANADA

FOR THE

Celebrated P. & B. Cold Storage Lining

AND

. . Ruberoid Roofing . .

P.S.--Prices on Application.

65 Shannon Street, MONTREAL.

Stove Bricks.

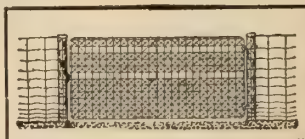
We have them in every variety and at closest prices. Prompt shipment. Write for Catalogue.

JONES BROS., Bracondale, P.O., Ont.

Lace Leather

Send direct to us for the celebrated "NIAGARA" Brand Lace Leather, best produced in this country. Yellow and White in Sides or Cut Strings. Prices and Samples on application.

WOOD BROS.
Tanners of High-Class Leathers,
ST. CATHARINES, ONT.



PAGE METAL GATES are so low in price no one can afford to use wooden ones. Light, and yet strong enough to support a heavy man on the end while he swings around the circle without causing them to sag. They are neat in appearance, will last a lifetime. Will not sag nor get rickety. They are supplied with latches which allow them to be opened either way and are self acting. The only good metal gate that is low enough in price for General farm purposes. We also make Farm and Ornamental Fence, Poultry Netting, Nails and Staples. **The Page Wire Fence Co., Limited, Walkerville, Ont.**

BISHOP & CO.

Established 1850.

27 and 28 Little Trinity Lane, - LONDON, ENG.

54 Scotland St., SHEFFIELD
Table Cutlery, all qualities.

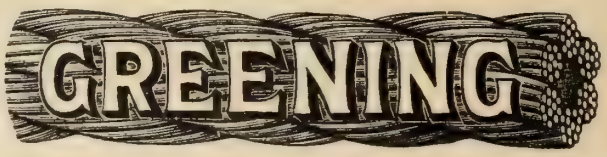
23 Vittoria St., BIRMINGHAM
Wrought Steel Pots, round or oval.
Tinned inside or enamelled.

Samples on view at the following Agencies:—

Alex. Thurber, 446 St. Paul St., - - MONTREAL.
E. Fielding, 34 Yonge St., - - TORONTO.
E. L. Denoncourt, 74 St. Joseph St., - QUEBEC.

WIRE ROPE

Wire Rope. OF



All Kinds and Sizes
AND FOR
All Purposes.

PRICES RIGHT. PROMPT SHIPMENTS.

The B. GREENING WIRE CO., Limited

Hamilton, Ont. **Montreal, Que.**

FILES. RASPS.

WE ARE NOT IN THE TRUST.

Quality of our goods guaranteed and our discounts very liberal. A trial order solicited. Write for discounts.

99 Niagara St., **TORONTO FILE CO.**

CANADIAN GOODS FOR CANADIANS.

The Zanzibar Paint Co., Limited

TORONTO. Sole Manfrs.

Zanzibar House Paints.
Strong Colors, Durable Gloss, Uniform and Smooth.

Zanzibar Floor Paints.
Easily Spread, Elastic and Durable—Dry Quickly and Hard.

Zanzibar Roof and Barn Paints.
Low Priced, Smooth Body, Weather-Proof.

Zanzibar Shingle Stains contain no anilines, but best pigments—Permanent Colors, Strong Preservative

NOTE:—We're a strictly Canadian house, buying all we can in Canada, quality being equal, and we will appreciate your patronage or an opportunity to tell you more about ourselves and our goods.

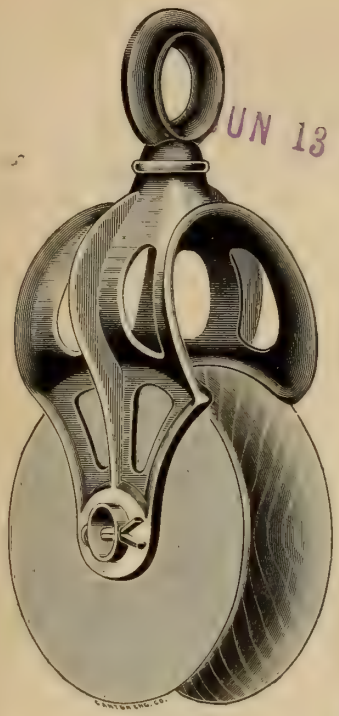
PLACE YOUR ORDERS NOW, NOT

When the Harvest Days are Over,

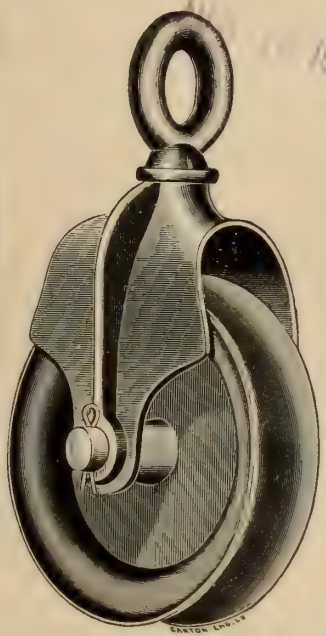
FOR

HAY FORK PULLEYS

WE CAN SUPPLY YOU IN ANY QUANTITY AT PRICES THAT SUIT.



No. 118
Knot Passing
Wood Sheave.



No 1, All Iron.

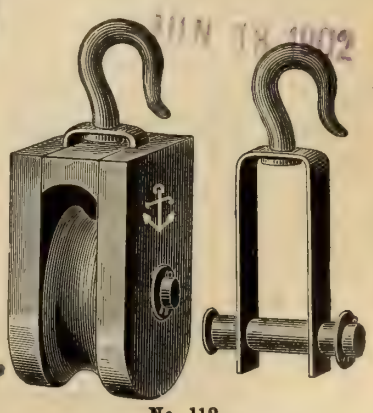
No. 115, Same with Swivel Eye.



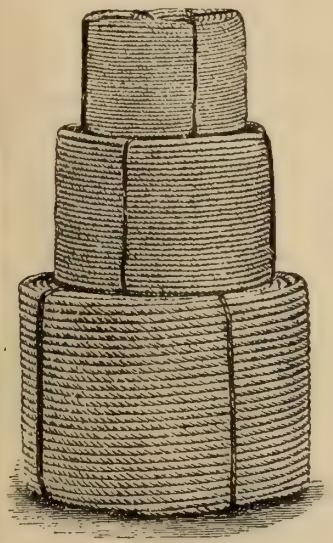
No. 119
Wood Sheave.

FLOOR HOOKS

5/8, 3/4 and 7/8 inch diameter.



No 112
Wood Frame and Wood Sheaved,
Strapped to Axle.



9 OUT OF 10

MEN BUYING HAY FORK PULLEYS WILL ALSO

BUY ROPE.

IT'S "THROUGH" THE PULLEYS THEY WANT THE

ROPE.

GET OUR PRICES.

MANILA AND SISAL ROPE.

WE SHIP QUICK.

Lewis Bros. & Co.

MONTREAL.

TORONTO,
87 York Street.

OTTAWA,
54 Queen Street.

HENRY ROGERS, SONS & CO.,

SHEFFIELD, ENGLAND

Manufacturers of the celebrated



H R S&C°

Fine Table and Pocket Cutlery

—AND—

Fish and Fruit Sets, Etc.

Canadian Office:

6 ST. SACRAMENT ST., MONTREAL

F. A. YORK, Manager.

STANDARD TIN WORKS

MANUFACTURERS OF

TINWARE AND TIN CANS

Fruit Cans, Meat Cans,
Jacketed Oil Cans,
Baking Powder Cans,
Lard Pails, Etc.

JAS. A. McGOLPIN

156-162 Duke Street, TORONTO.

KNOX HENRY

Heavy Hardware and Metal Broker
Room 32 Canada Life Bldg., MONTREAL.



Samples sent free on application.

HORSE NAILS—"C" Brand Horse - Nails Canada Horse Nail Co.

"BRASSITE" GOODS — Gunn Castor Co. Limited, Birmingham, Eng.

THE ALABASTINE CO., Limited, PARIS, ONT.

Are still doing business at the old stand, manufacturing and selling **Land** and **Calcined Plaster**; **Paristone**—the best Cement Wall Plaster; Church's **Bug Finish** that kills Potato Bugs with one application; and **best of all**

ALABASTINE

so well and favorably known "The World Over." The Wall Coating that has proof of origin, and sells on its own merits. No substitute or imitation about **ALABASTINE**; it is the original product, made adapted for use in Cold Water by the inventor, Mr. M. B. Church, the first and only person who ever developed a practical Cold Water compound with Calcined Gypsum as a base.

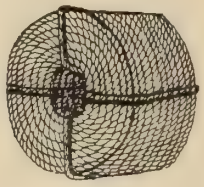
ALABASTINE is patented in Canada and other Countries. Our patents, like our goods, are genuine, and practical for making a wall coating in the manner perscribed. **Facts are indeed stubborn things.**

—The Trade supplied by—

Sanderson Pearcy & Co., Toronto, Ont.
Wood, Vallance & Co., Hamilton, Ont.
Hobbs Hardware Co., London, Ont.
Vancouver Hardware Co., Vancouver, B C.
William Hill, Montreal, P.Q.
W. H. Thorne & Co., St. John, N B.
G. F. Stephens & Co., Winnipeg, Man.
Miller, Morse & Co., Winnipeg, Man.

THE INDEPENDENT CORDAGE CO., Limited,

TORONTO.



Highest Award Pan-American Exposition.

MANUFACTURERS OF ALL KINDS OF

SISAL MANILA **ROPE,** Lath Yarn, Shingle Yarn, Hide Cord. Pulp Cord, Clothes Lines **BINDER TWINE**

Transmission Rope a Specialty.

THE BATTY STOVE & HARDWARE CO.

. . . Successors to . . .

The Toronto Branch of THE COPP BROS. CO., Limited.

—WHOLESALE DEALERS IN—

Mantels, Grates, Tiles, etc. Coal Grates. Gas Grates. Gas Logs.

HOT-AIR REGISTERS A SPECIALTY.

Stove repairs for the Copp Bros'. make of Stoves and Furnaces.

New Address—76 York St., TORONTO.

LEADER CHURN

New Century Improvements

FOUR DIFFERENT STYLES:

A—Steel Frame with double reversible Steel Lever.
B—Wood Frame with double reversible Steel Lever.
C—Steel Frame with Crank.
D—Wood Frame with Crank.

Styles **A** *and* **B** *may be operated from a sitting or standing position.*

Steel Frames and Hoops beautifully ALUMINIZED.

All LEADER CHURNS are equipped with BICYCLE BALL BEARINGS and PATENTED CREAM BREAKERS.

Stands are so constructed that they are particularly strong and rigid, and there is nothing to interfere with the placing of pail in the most convenient position for draining off buttermilk.



It Pays to Have the Best. None are Better Than the Leader.

THE DOWSWELL MANUFACTURING CO., LIMITED, HAMILTON, ONT.

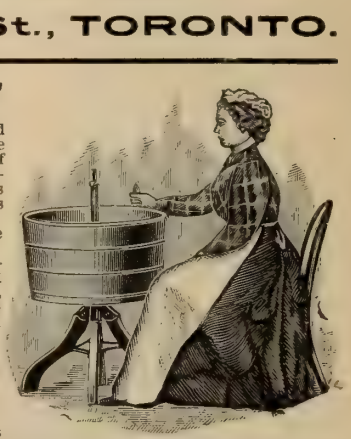
Eastern Agents: W. L. Haldimand & Son, Montreal, Que.

CUSSIN'—DISCUSSIN'

Dealers may avoid the former and have the satisfaction of hearing their customers discussing in terms of praise the goods that are right.

Always handle the best.

Satisfaction is assured if the Dowswell Manufacturing Co., Limited, are the makers of the goods you sell.



The New Century Washing Machine

This cut illustrates the latest and best machine for washing clothes yet invented

Having strong spiral springs and ball-bearings—the same as used in High-Grade Bicycles—very little effort is needed to do what with other means is hard work.

Nothing so easy—nothing so thorough—nothing less wearing on garments. It is perfection.

A customer says: "It has none but good points."

Another customer says: "It is a darling; washes a tubful in five minutes."

It is the **New Century Washer.**

Every Hardware Dealer should have them. They are not the cheapest, but are sellers, and will do all that is claimed.

The operator can positively do the work, and without effort, while seated, and the machine is enclosed, retaining heat and vapor.

The Dowswell Manufacturing Co., Limited,
Sole Manufacturers in Canada. **Hamilton.**

The
WATSON FOSTER CO.
LIMITED
MONTREAL



SILVER MEDAL
PARIS 1900
CHICAGO 1893

WALL PAPERS

TO WALL PAPER DEALERS

IF YOU WANT TO

LEAD THE TRADE IN YOUR TOWN, YOU MUST DO IT WITH **THE LARGEST LINE, THE MOST PROGRESSIVE LINE** AND **THE BEST, THE WATSON, FOSTER CO.'S LINE.**

FOR SEASON 1902 - 1903

WE HAVE **ECLIPSED ALL FORMER EFFORTS,** HAVE STRENGTHENED IN VALUE AND EFFECT MEDIUM AND LOW GRADES, AND INTRODUCED PRACTICAL AND ADVANCED DECORATIONS. THE ENTIRE LINE WILL BE A DELIGHT TO THE CRITIC AND MOST PROFITABLE TO THE DEALER, ENABLING HIM TO IGNORE ANY FOREIGN COMPETITION.

OUR IMMENSE COLLECTION

IS READY FOR THE ROAD. WE ANTICIPATE INCREASED TRADE AND ASK FOR EARLY PLACING.

JUNE 1902

The Popularity of Our Splendid

IMPERIAL OXFORD

Insures Speedy Sales.

Its splendid new features and patented improvements give it a superiority quickly appreciated—its practical ease of regulation and economy with fuel commend it to everyone.

ITS DIFFUSIVE FLUE CONSTRUCTION
FRONT DRAW-OUT GRATE
OVEN THERMOMETER
DRAW-OUT OVEN RACK

and other details of construction appeal irresistibly to the buyer.

Write us for full information, if you aren't handling them.



THE GURNEY FOUNDRY CO., Limited

TORONTO. WINNIPEG. VANCOUVER.

THE GURNEY-MASSEY CO., LIMITED, MONTREAL.

BUY THE

BEST PAINTS

AND SAVE YOUR MONEY.

It is always cheaper to buy the best. It costs as much to apply a cheap as it does a good Paint.

"BEAVER" BRAND and "T. L. & C. CO." BRAND } **PURE PREPARED PAINTS**

MANUFACTURED BY

THE TORONTO LEAD & COLOR CO., Limited

TORONTO

ARE THE BEST.

For interior and exterior use. Most economical, because they cover the greatest surface. Cheapest, because they wear longest. Most satisfactory, because they look best.

EVERY TIN GUARANTEED.

As for our New Century Catalogue and Color Cards.

CANADA FOUNDRY CO. LIMITED.

WE LEAD

IN THE MANUFACTURE OF:

Cold Pressed Nuts,
Square and Hexagon,
Finished and Semi-Finished,
Cap Screws,
Set Screws,
Thumb Screws, Bolts,
Special Milled Work, etc.

CANADA FOUNDRY COMPANY.

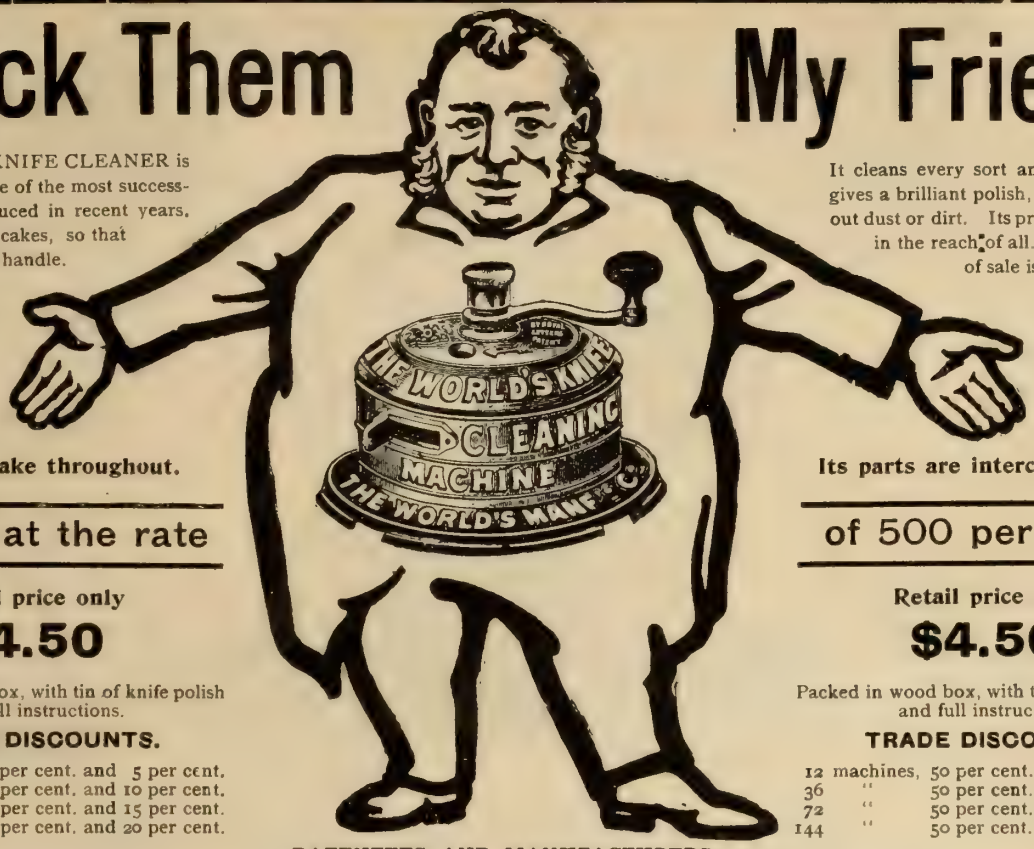
LIMITED.

14-16 King St. East, TORONTO.

Stock Them My Friend.

The WORLD'S KNIFE CLEANER is unquestionably one of the most successful articles introduced in recent years. It's going like hot cakes, so that now is the time to handle.

It cleans every sort and size of knife, gives a brilliant polish, and works without dust or dirt. Its price brings it within the reach of all. The possibility of sale is, therefore, only limited by the number of your customers.



English make throughout.

Its parts are interchangeable.

Cleans at the rate of 500 per hour.

Retail price only

$4.50

Packed in wood box, with tin of knife polish and full instructions.

TRADE DISCOUNTS.

12	machines,	50 per cent. and 5 per cent.
36	"	50 per cent. and 10 per cent.
72	"	50 per cent. and 15 per cent.
144	"	50 per cent. and 20 per cent.

Retail price only

$4.50

Packed in wood box, with tin of knife polish and full instructions.

TRADE DISCOUNTS.

12	machines,	50 per cent. and 5 per cent.
36	"	50 per cent. and 10 per cent.
72	"	50 per cent. and 15 per cent.
144	"	50 per cent. and 20 per cent.

PATENTEES AND MANUFACTURERS,

THE WORLD'S MANUFACTURING CO., 66-68 (Offices No. 68) Victoria S., London S.W., Eng.

THE

EDINBURGH ROPERIE & SAILCLOTH Co Ld

ESTABLISHED 1750

LEITH SCOTLAND

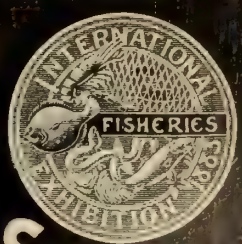
(TELEGRAPHIC ADDRESS ROPERIE)



MANUFACTURERS OF EVERY DESCRIPTION OF



CORDAGE & CANVAS





MANILA ROPE
SISAL ROPE
NEW ZEALAND ROPE
RUSSIAN ROPE
JUTE ROPE
FISHING LINES
NETTING TWINES
PARCEL TWINES
SPUNYARNS & PACKINGS
BAILING ROPES & CORDS

TRADE R E C MARK 1750

SAILCLOTH
STEAMER CLOTHS
AWNINGS
TENT CLOTHS
DUCKS
PRESSING CLOTHS
TARPAULINGS
CHEMICAL WATERPROOF
SEAMING TWINES
ROPING TWINES



BUYERS OWN SAMPLES MATCHED AT LOWEST TRADE TERMS

ADDRESS ALL COMMUNICATIONS TO OUR CANADIAN OFFICE AND STORES,

THE EDINBURGH ROPERIE & SAILCLOTH CO'Y, Limited, - - 9 St. Peter Street,

The Ontario Lawn Sprinkler

No wearing parts to get out of order.

No parts that will clog.

Adjustable wings to prevent wetting walks, etc.



Throws a spray as fine as mist.

Will give more satisfaction than the most expensive styles.

THE WHOLESALE TRADE CARRY THEM IN STOCK.

Manufactured by

A. R. WOODYATT & CO., GUELPH, ONT.

Seasonable Suggestions



RETURNED AUG 14 1902

Water Coolers.

Made in five sizes.
Artistically decorated in attractive designs.
They have Nickel-plated Faucets and are substantially made.
Each one is carefully packed in a wooden box.



RETURNED MAR 1902

Water Pots.

Plain. Japanned. Galvanized. Six sizes.
All our Cans have the patent Zinc Rose, which can be easily taken apart for cleaning.
They are all well finished, strong and durable.

WE CARRY A FULL LINE OF METALS.

Canada Plate and Galvanized Iron from stock or for import.

WE WILL BE PLEASED TO QUOTE YOU.

KEMP MANUFACTURING CO., TORONTO, CANADA.

HARDWARE AND METAL

VOL. XIV. MONTREAL AND TORONTO, JUNE 7, 1902. NO. 23.

President:
JOHN BAYNE MacLEAN,
Montreal.

The MacLean Publishing Co.
Limited

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P.E. Island and Newfoundland.

OFFICES.

MONTREAL - - - 232 McGill Street. Telephone 1255.
TORONTO - - - 10 Front Street East. Telephone 2701 and 2702.
LONDON, ENG. - - 109 Fleet Street, E.C. W. H, Miln.
MANCHESTER, ENG. - - 18 St. Ann Street. H. S. Ashburner.
WINNIPEG - - - Western Canada Block. J. J. Roberts.
VANCOUVER, B.C. - - - Flack Block. J. A. Macdonald.
ST. JOHN, N.B. - - No. 3 Market Wharf. J. Hunter White.
NEW YORK - Room 443 New York Life Bldg.

Subscription, Canada and United States, $2.00.
Great Britain and elsewhere - - 12s.

Published every Saturday.

Cable Address { Adscript, London. / Adscript, Canada.

WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

THE TRANSPORTATION QUESTION IN BRITISH COLUMBIA.

THE business men of Vancouver and Victoria have recently been somewhat agitated over the question of transportation of merchandise to the Yukon. For some time an arrangement has been in force whereby United States vessels from such ports as Seattle have been permitted to call at Vancouver and Victoria and carry freight between those ports and other Canadian ports via United States ports. The object of this was, of course, to give the merchants of Vancouver and Victoria the facilities to reach the Yukon with their merchandise

The present agitation has for its object the discontinuance of these privileges, it being felt that the steamship companies on the Coast were injuriously affected.

Recently the Boards of Trade of Vancouver and Victoria held meetings to discuss this question, and in both instances resolutions were passed opposing any change in the present conditions, at any rate until such transportation facilities are assured that will permit of the carrying trade being confined to Canadian vessels without injury being done to the commercial interests of the Province.

In view of the fact that no similar courtesies are extended by the United States Government to Canadian vessels, it is distasteful to most Canadians to allow our neighbors privileges which they deny us. At the same time, however, it is no use our cutting off our nose to spite our face.

To allow the United States vessels continuance of the privileges in regard to the carrying of trade to the Yukon no doubt means some loss to the vessel owners on the Coast. But the question is, whether by removing what may be termed this disability, a still greater would not be imposed upon the merchants in British Columbia who are catering to the Yukon trade. Of this the merchants are, no doubt, the best judges.

Unquestionably anything that would interfere with the transportation service would interfere with business; in fact, some of the merchants in the Yukon have already intimated to wholesale houses in Vancouver and Victoria, that if the present movement to cut off United States steamers from the carrying trade was successful they would be compelled to place their orders for merchandise in Seattle and other cities to the south instead of Victoria and Vancouver.

It is to be hoped that the resolutions which have been passed by the Boards of Trade of Victoria and Vancouver will receive that respect from the Government which is due to them.

NEW YORK TRADING - STAMP LAW.

AS our readers are well aware, the question as to the legality of anti-trading stamp legislation has been a live one for some time, both in the United States and Canada. At times the judgments of the courts are in favor of the anti-trading stamp laws, while now and again the decisions are adverse. In Ontario a few weeks ago the court decided that the Act passed by the Ontario Legislature a year ago was quite within the powers of the Legislature. Now comes the report of a judgment by the Appellate Court of New York, which declares ultra vires an Act by the Legislature of that State. The ruling of the court was to the effect that the Legislature had no power to prohibit the giving of trading stamps in the manner customary.

Although the courts are not at all unanimous in their decisions in regard to the matter of anti-trading stamp legislation, one thing is certain, the use of trading stamps is gradually being discontinued, so that the objects that are being sought by anti-trading stamp legislation are being accomplished at any rate.

TRADE QUESTIONS AT THE BOARDS OF TRADE CONFERENCE.

THE Conference of the various Boards of Trade throughout Canada, which met in Toronto three days this week, fulfilled all that was expected of it. There were some 140 delegates present, and the manner in which they have disposed of the business, which has so far come before the Conference, has been done in a way that only practical and intelligent business men could dispose of it. To members of Parliament who were present it must have been somewhat of a revelation.

Instead of picking each other to pieces and impugning motives, the members of the Conference criticized only the questions which were up for discussion. While several questions were disposed of none were done so in a perfunctory manner, due attention being given to each.

Most of the time of the first day was naturally given to the question of trade relations between Canada and Great Britain. This important question was introduced by Mr. George E. Drummond, of the Montreal Board of Trade, and the resolution to which he spoke maintained that Great Britain could best serve the interests of the Empire by giving the products of her colonies a preference in her markets as against the products of foreign countries; it being believed that it would stimulate trade and develop colonial enterprise. He pointed out that at present Great Britain gets only 16⅔ per cent. of her food supplies from her colonies, and 83⅓ per cent. from foreign countries.

A number of gentlemen spoke to this resolution, and it was eventually carried with the clause added which was recently passed by the Toronto Board of Trade, asking for the British Government to appoint a commission, composed of representatives of Great Britain and the colonies, to investigate trade conditions and to suggest such preferential treatment of imports from the various parts of the Empire as would be calculated to insure the fullest benefits.

Another important trade question which came up was with regard to the relations between Germany and Canada. As our readers are well aware, Germany has denied Canada the privileges of the minimum tariff on account of her influence in securing the abrogation of the favored nation treaties in 1897. The subject was brought up by a representative of the Kingston Board of Trade and demanded that Canada impose a countervailing duty on imports from Germany.

In the discussion which followed it was thought that this motion was a little drastic, and might result in injury to Canadian firms who were doing a large business with Germany, and eventually a motion was carried asking the Dominion Government to make such alterations in the tariff upon imports from foreign countries not having reciprocal relations with this country as to secure the protection of the natural products of the manufacturers of Canada.

The question of allowing the preferential duty only on imports coming into Canada through our own ports led to a somewhat lengthy discussion. It was brought up by Mr. W. Frank Hatheway, of St. John, but finally this gentleman withdrew his motion in favor of one moved by Mr. Robt. Munro, president of the Canadian Manufacturers' Association, asking that the preference on goods arriving by United States ports be limited to 25 per cent.

Among the other resolutions passed was one asking for the removal of the embargo which now exists in Great Britain against Canadian cattle; another, asking for State owned cables from Australia to India, and South Africa, and from South Africa as well as Canada to England. Still another resolution, was one in regard to the appointment of a practical representative in London. Mr. J. D. Allan, who has given a great deal of attention to the subject, and Mr. M. C. Ellis introduced the motion which was carried without dissent. Thus is the question of the need of such an official again brought forcibly to the attention of the Dominion Government.

The important question of commercial agents came up for discussion on Thursday morning. Mr. E. V. Roy, of the Chambre de Commerce, Montreal, who introduced the subject, urged that the Federal Government should appoint commercial agents residing in the principal cities of the world, and that the Imperial Government should be requested to recognize and accredit to British possessions and foreign Governments the agents so appointed. The subject received the hearty endorsation of the Conference, and it was only proper that it should. The United States have about 300 agents abroad, and while it would not, perhaps, be possible for Canada to have that many, at any rate for years to come, it is necessary that we should greatly increase the present number. The number of the accredited Canadian agents to-day is 15, of whom six are in Great Britain.

The subject of a fast steamship service came in for a good deal of discussion. A number of resolutions were introduced. Finally a compromise resolution was adopted, which urged the Canadian representatives at the coming Colonial Conference in London to impress upon that gathering the necessity of the Mother Country and the colonies adopting a policy under which fast lines of steamships will be secured and retained for the development and control of trade between the United Kingdom and her possessions.

The Conference expressed itself in regard to trade with South Africa and Australia, and a resolution was adopted requesting the Dominion Government to consider the establishment of a cargo steam service, subsidized so much per outward voyage, calling at Cape Town and proceeding to ports in Australia.

A resolution urging the Government to readjust the tariff on imported lead products was carried unanimously.

The question of Imperial defence proved to be the chief bone of contention of the Conference, and it was found necessary to hold another session on Friday in order to further consider it. Up to the hour of going to press no decision has been arrived at.

ADVANCE IN STOVES.

An advance of 5 per cent. has been made in the price of box stoves, coal cook stoves, wood cook stoves, cottage stoves, "Globe" heaters and "Oak" stoves. In April last there was an advance of 5 per cent. in wood cook stoves, making the total appreciation in this particular kind 10 per cent.

AN EXAMPLE FOR OUR MERCHANTS

THE merchants of New York have an organization which is one of the most progressive of its kind, at any rate on this continent. In addition to devising schemes for attracting trade, the organization devotes a good deal of attention to the government of the city. The members of the organization realize that bad government affects the business of the city as well as its moral affairs. Among its latest efforts in regard to the government of the city is an investigation into the general administration of civic affairs, the result of which is shown in an interesting document that has recently been issued to the public. The report deals with the police service, fire service, lighting, etc. The cost of these different departments is not only given for New York, but for all other cities as well, while the figures supplied are made all the more interesting by diagrams showing the expenditure per capita, etc., in New York as compared with other cities enumerated.

The business men of New York have set an example in this respect which the merchants in many Canadian cities might do well to follow. We cannot expect to get good civic or good government in any other particular unless the business men take a lively interest in public affairs. If the administration of municipal, Provincial or Dominion affairs is left to the professional politicians, the business men of the country have only themselves to blame when the results are legislation inimical to the commercial interests of the country.

KOPAL

is a good old-fashioned varnish for general use that gives good wear and is satisfying to paint dealer, painter, and property owner alike.

Kopal is a well-made varnish. Kauri gum—the toughest Kauri gum—pure linseed oil, pure spirits turpentine, and a little dryer are what Kopal is made from. There's nothing else in it but the skill of the maker.

Kopal is a good selling and profitable varnish that every progressive paint dealer should have on his shelves. It's a varnish we're pushing with all the strength of our immense organization. It's a varnish that's a prime favorite with painters.

If you are not selling Kopal now, you should not delay to write us for prices and the full particulars of a plan we have for helping dealers work up a big sale on Kopal.

There's money in Kopal.

THE SHERWIN-WILLIAMS CO.
PAINT AND VARNISH MAKERS.
CLEVELAND.
CHICAGO, NEW YORK, NEWARK, MONTREAL, BOSTON, TORONTO, SAN FRANCISCO, KANSAS CITY

OUR TRADE WITH JAPAN.

IT is understood that the Hon. Sydney Fisher, Minister of Agriculture, is about to visit Japan for the purpose of studying trade matters in that country. It will be remembered that about five years ago Canada sent a commissioner to Japan for this very purpose. The work he did was well done, and a great deal of information was brought back which was helpful to business men in this country who desired to do business with that country. In some lines an increased trade has sprung up with Japan as a result.

It is to be hoped that the visit of the Minister of Agriculture will be productive of still greater results. For, although our trade with Japan has increased somewhat, it is still smaller than it should be.

Last year the export trade to Japan amounted to less than $189,000, but this is an increase of over $67,000 since Canada sent her last trade commissioner to that country. The chief articles in which the increases have taken place are flour, carriages and bicycles, cotton goods, fish and fish products. There are, no doubt, great openings for trade in the Orient, and it will not do for Canada to delay in devising ways and means of securing a share of it. The United States is aggressively pushing for trade in China and Japan, and if we are not to be left behind altogether it is time we were up and doing.

CYCLING REVIVAL.

For pleasure and healthful benefits there is no exercise that can surpass bicycling. It is a bracing, broadening pastime, and no other modern invention has done so much to widen the horizon of the dweller in town, city and country.

A few years ago there was such a demand for bicycles that the factories could not supply the demand. Wheels were built by all kinds of people at all kinds of cost. Many where induced to buy cheap wheels with the poorest kind of material and construction. These wheels gave little pleasure to the rider, for they were continually breaking down. As a consequence, thousands of riders soon gave up the pastime which caused them annoyance and discomfort.

A revival of cycling has come, and this year there is a strong demand for good bicycles fitted with the best equipment, including Dunlop tires. The good names before the cycling public to-day mark the "survival of the fittest," and everybody insists on the right kind of tire.

With a mount on which one is confident and undisturbed there comes that mental poise and physical ease from which real benefit is derived.

NATIONAL PLUMBERS' CONVENTION ADJOURNED.

The National Association of Master Plumbers of the Dominion have decided, with the approval of the Halifax reception committee, to postpone their convention from July 1 and 2 to August 13 and 14, when the Canadian Manufacturers' Association hold theirs.

The simultaneous meeting of the two conventions will afford additional interest and reduce considerably the cost of transportation.

"NEWMARKET" HORSE CLIPPER.

Burman & Sons, Limited, Birmingham, England, have bought the good-will, machinery and stock of Wm. Bown, Limited. Burman & Sons, Limited, make a specialty of the manufacture of horse clippers. The "Newmarket" clipper will be made exactly as before with the addition on the handles of the words, "Made by Burman & Sons, Limited, Birmingham."

MOVED TO THEIR NEW FACTORY.

The Bailey Cutlery Co., of Brantford, have moved to their large new factory, as per illustration in their advertisement in this issue.

This company began business over three years ago, but about a year ago they added scissors, hand-forged razors, butcher knives and other lines to that of shears, and they have met with such success as to require them to obtain this fine factory, so that they can take care of their already large and increasing business.

It has been their aim to manufacture only the highest grade of cutlery, and the fact that "Bailey" brand has become well-known throughout the whole Dominion proves that they have succeeded.

Their shears and scissors are so well known as to require no further mention, but they are pushing hard their "Brantford" razors and "Bailey" butcher knives, knowing that their quality will keep the trade they are getting on them.

It is gratifying to recognize that cutlery is being made in Canada, which is establishing for itself a reputation for quality. The Bailey Company is to be congratulated upon their success.

METALASTIC.

Metalastic, the paint now being so strongly advertised by The Sherwin-Williams Co., is the name for their old paint, "P. M. 5," which has been on the market for a long time, and which is well and favorably known among leading railroads, shipbuilders, construction companies, etc.

In adopting the new name "Metalastic," The Sherwin-Williams Co. were actuated by a desire to have a name for the paint that would be more distinctive than "P. M. 5," and that would instantly convey what the paint really is, an elastic metal paint. Metalastic retains all the good qualities of the old paint, with many improvements added.

Metalastic is the result of years of searching by the Sherwin-Williams Co. after ingredients that would combine perfectly and form an entirely satisfactory and rust-preventing paint. Neither carbon nor graphite alone make the best paint for metal surfaces. Each in itself is somewhat lacking in true rust preventative qualities; properly combined in right proportions they result in the right paint for the purpose.

Metalastic is a right combination of carbon, graphite and specially treated pure linseed oil. It is ground very fine, is imperviable to air or moisture, and is a true rust preventative. The company, it is said, is meeting with marked success in the sale of Metalastic.

OUTLOOK IN THE WEST.

Mr. D. Arnot, of Slocan, B. C., was in Toronto for a few days on his usual buying trip. He reports the crops in the West looking well, despite the backward season. The mines are busy and everything promises a good season's trade.

"Honest Cycles at Honest Prices."

"THREE OF A KIND" THAT BEAT ALL, THEY RIDE THE—

Major Taylor
Harry Elkes
Nat. Butler

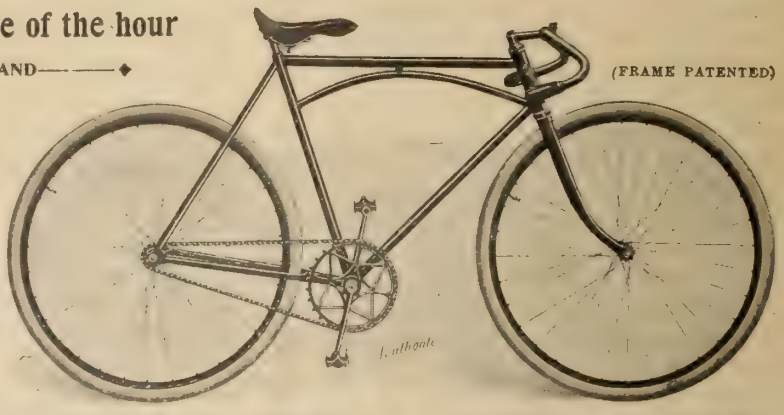
Iver Johnson Truss Frame

The Bicycle of the hour

—AND—

The distinctive Cycle of the future.

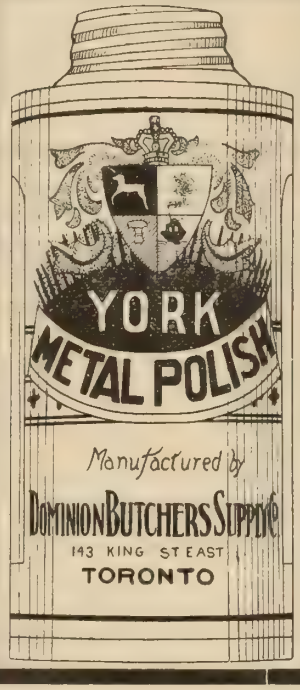
(FRAME PATENTED)



Send for catalogue and agency particulars.

IVER JOHNSON'S ARMS & CYCLE WORKS,

New York Salesroom: 99 Chambers St. FITCHBURG, MASS.



ENCOURAGE HOME INDUSTRY

YORK METAL POLISH

MADE IN CANADA.

It cleans and polishes Gold, Silver, Nickel, Brass, Copper, Bronze, Tinware, Plated Goods and Metals of every description.

It will be found invaluable for cleaning and polishing Jewellery, Doorplates, Machinery and Harness Mountings, Metal Office Fittings, etc.

It contains no grit or acids in its manufacture, therefore will not injure anything or leave any scratchy marks.

It should be used by you. TRY IT.

Put up in tins, 10c., 25c., 40c., 75c.

Samples and wholesale prices on application.

TRADE MARK

NOBLES & HOARE · NH · LONDON

Nobles & Hoare.

CORNWALL ROAD STAMFORD STREET.

LONDON, ENG.

Manufacturers of

HIGH-CLASS VARNISHES ONLY

Which can be obtained direct from the works or from the principal Color Dealers in Canada.

THE BELLEVILLE BUSINESS COLLEGE, LIMITED

BELLEVILLE, ONTARIO.

Send for handsome Catalogue fully describing all Courses taught.

J. Frith Jeffers, M.A., Principal

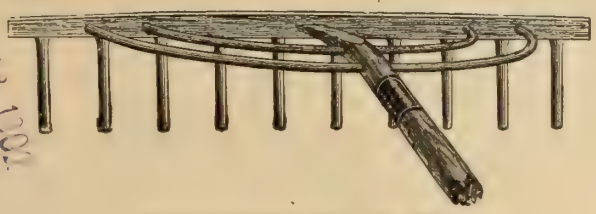
H. S. HOWLAND, SONS & CO.

WHOLESALE ONLY

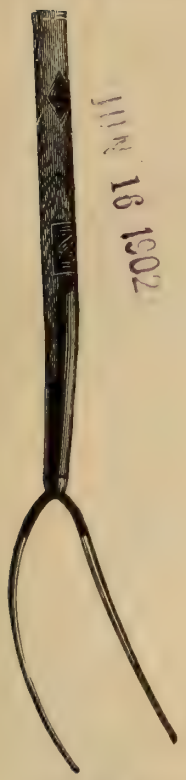
37-39 Front Street West, **Toronto.**

ONLY WHOLESALE

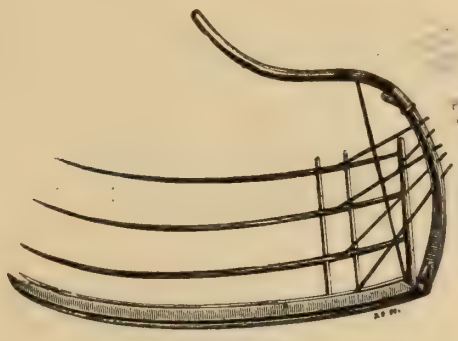
Harvest Tools.



Hay Rakes—Wood and Iron Bows.



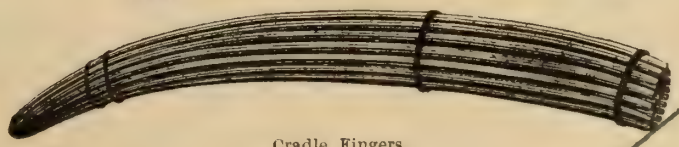
2-Tine Hay Forks.



Grain Cradles.



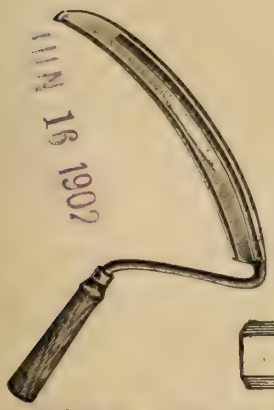
4-Tine Hay Forks.



Cradle Fingers.



Scythes—Lawn, Grass, Cradle and Bush.



Berden's Grass Hooks.



Snaths.



"Samson" Grass Hooks.



Emery Edge Sharpeners.



Scythe Stones.

FOR OTHER LINES SEE OUR HARDWARE CATALOGUE.

H. S. HOWLAND, SONS & CO., Toronto.

WE SHIP PROMPTLY

Graham Nails are the Best.

Factory: Dufferin Street, Toronto.

OUR PRICES ARE RIGHT

MACHINERY AND ELECTRICAL SUPPLY DEPARTMENT

POWER LOST IN FLYWHEELS.

THE resistance which a flywheel offers to the air may give rise in some cases to a considerable expenditure of energy. Some tests were made in the Nurnberg central station which showed this very clearly. The station is provided with two tandem compound engines of 450 horse power, direct coupled to the dynamos and working at 95 revolutions per minute. In order to equalize the running with the great variations of load which occur, a very heavy flywheel was used with arms of a channel section. It was found that these arms offered a great resistance to the air, and created a powerful draft, and so it was decided to cover the wheel with sheet iron in order to reduce the resistance and thus gain considerable power. In order to test the amount of energy lost, the dynamo was made to run as a motor and thus drove the engine and flywheel at no load. When the latter had no protecting covering it was found to absorb 13,300 watts, but when the covering was replaced it took only 9,874 watts, thus showing a gain of 3,426 watts or 5.7 horse power, this being ½ per cent. of the power of the engine. Counting the current price per kilowatt hour and a day's run of 17 hours, it was found that this represented an economy of nearly $270 annually. Another test of a similar nature was made by M. Ingliss upon a 630 horse power engine and showed an economy as high as 30 horse power or 4.8 per cent. of the engine power which was gained by properly diminishing the resistance of the flywheel.

CONTRACTS FOR MACHINERY.

The Niagara Falls Machine Co., of Niagara, Ont., have just completed the equipment of their shop. W. H. Petrie, of Toronto, received the contract for the entire order, and the work proved so satisfactory that the company expressed great pleasure with the prompt attention given them.

The Bullock Electric Co., of Cincinnati, Ohio, have secured the contract for supplying the machinery to complete the plant of The Shawenegan Water and Power Company for service on the Island of Montreal in connection with The Lachine Hydraulic and Land Company. The machinery includes a set of motor generators capable of yielding 2,000 volts at a current of 60 cycles.

The Kay Electric Dynamo and Motor Co., Limited, report business to be good. They have recently installed for The Dominion Fence Company one 15 K. W. alternating current dynamo for electric welding; one electrotyping dynamo for Central Press Agency; one 6 H. P. motor for John Northway & Son; one 1 H. P. for Beatty Manufacturing Co.; one 5 H. P. for Dudgeon & Thornton; one 6 H. P. for W. S. Mahaffy. They have on hand orders for two 8 H. P. motors for Gowans, Kent & Co; one 25 H. P. for A. R. Williams & Co., and one 5 H. P. motor for Thompson & Martin.

FORTY YEARS IN BUSINESS.

THE first shop of The Albion Iron Works Co. was opened in Victoria, B.C., in 1862 by Joseph Spratt, and the business has continued to grow ever since until now the plant is quite extensive. It occupies an entire block, bounded by Store, Discovery, Government and Chatham streets, and an additional large boiler shop across Chatham street. The equipment of these large premises is quite modern. Included in this Victoria establishment are three machine shops, a large and well-equipped foundry, a pattern shop, smiths' shop, two steam hammers, two boiler shops and a stove foundry.

The three machine shops are fitted up with over 40 different machines and machine tools, including a lathe capable of turning out the largest marine shafts; planing machines, boring machines, facing lathes, slotting machines, and other iron working appliances.

The main boiler shop has the latest and most improved hydraulic rivetting machines for handling the heavy plates used in marine boilers, plate bending rolls, the most advanced type of pneumatic and caulking machines. This department recently turned out a huge 15-foot boiler for the steamer Pilot.

The foundry is quite extensive and has a capacity to do big work. In this department a propeller for the steamer Commonwealth, measuring 17 feet in diameter, was recently turned out.

This firm designed and built the Beaver, the first steel steamer ever turned out in British Columbian waters. The steamer Joan was also built by them.

Many marine engines in use in British Columbian seas were constructed by this company. Some of the most notable are those of the Lorne, the Pilot and the Queen City.

Besides providing the steamer Pilot with boilers this firm also equipped with them the steamers Costa Rica and Wellington.

This concern has also a large stove foundry equipped with modern machinery and capable of turning out large quantities of stoves, grates and fenders of high quality.

MACHINERY NOTES.

Lemire & Rochette, machinists, Windsor Mills, Que., have registered.

Thomas Laner, machinist, Montreal, has compromised at 25c. on the dollar.

The St. Lawrence River Electric Co., Limited, Iroquois, Que., has obtained a charter.

The Gladstone Electric Light and Power Co., Gladstone, Man., has been incorporated.

The Niagara Falls Machine and Foundry Co., Limited, Niagara Falls, Ont., has obtained a charter.

The St. Thomas Acetylene Manufacturing Co., Limited, St. Thomas, Ont., has obtained a charter.

H. W. Petrie, of Toronto, is making a shipment of a complete sawmill plant to Palubiskie & Omanique, at Barry's Bay, Ontario.

SOO INDUSTRIES ILLUSTRATED.

The Toronto Daily Star issued a special edition a few weeks ago dealing with the industrial development of New Ontario. The number is printed on coated paper, the illustrations are all on the half-tone process and give one an exceedingly good idea of the iron, steel and pulp industries, which, within the last year or two, have made Sault Ste. Marie so famous. The Star is to be congratulated upon its enterprise and the ability with which it has carried it out.

A NEW BRUNSWICK COMPANY.

The Hammond River Lumber Co., Limited, Hampton, N.B., is applying for incorporation. The capital stock of this company is placed at $40,000 divided into 400 shares of $100 each, and the purposes of incorporation are to purchase and sell logs and manufacture and sell all classes of lumber, shingles, laths, and every description of manufactured lumber; to buy and sell wholesale and retail in dry goods, clothing, groceries, hardware, paints and oils and other commodities of merchandise manufactured and unmanufactured as are usually kept for sale in a general store. The names, occupations and addresses of the applicants, the first three of whom are provisional directors, are as follows: George H. White, merchant, of Sussex, N.B.; and Edmund A. Flewwelling, manufacturer, Robert G. Flewwelling, manufacturer; Samuel H. Flewwelling, manufacturer, and Louise Flewwelling, married woman, of Hampton, N.B.

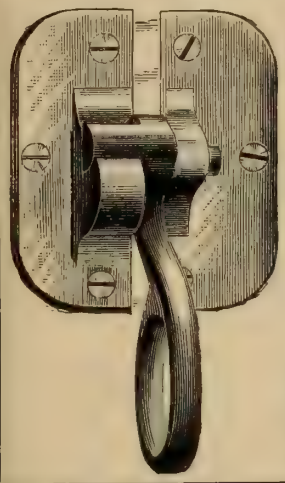
JONAS & COLVER CO.

Sheffield, England Limited

STEEL WIRE DRILL RODS, PIANO WIRE, ETC.

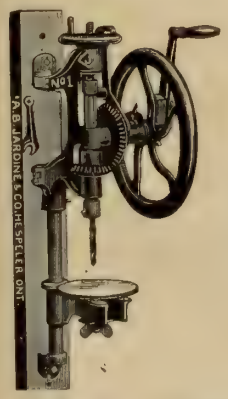
WILLIAM ABBOTT, Agent,
13 St. John Street, MONTREAL.

P. J. CONROY, Manufacturer of REFRIGERATOR HARDWARE



Paschall Station, Phila., Pa.

The "Conroy" Refrigerator Door Fastener.



TRADE MARK J REGISTERED

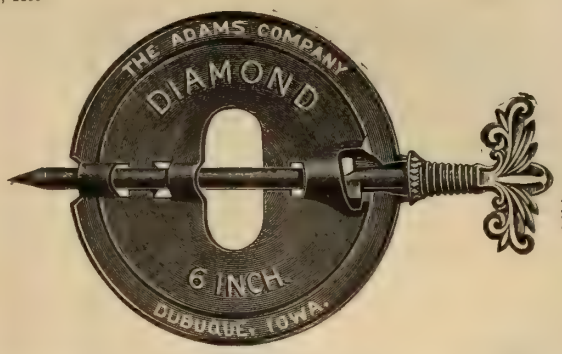
Blacksmiths' Hand Drills.

The very best.

A. B. JARDINE & CO.
HESPELER, ONT.

DIAMOND STOVE PIPE DAMPER.

U.S Patent June 25th, 1895 Canadian Patent December 12th, 1894



Nickle Handle.

Made by THE ADAMS COMPANY, Dubuque, Iowa, U.S.A. A. R. WOODYATT & CO., Guelph, Ont.

"The Peerless"

is the best Bolster Spring ever produced. A fine line for the hardware trade. Write Us For Prices.



James Warnock & Co. = Galt, Ont.



G. A. Crosby & Co. of Ontario, LIMITED

SARNIA, ONT.

Manufacturers of

Patent Automatic Can Making Machinery, Presses, Dies and Special Machinery for Working Sheet Metal.

STANYON ENGINEERING CO.

402 McKINNON BUILDING,
Phone Main 2177. TORONTO

CONTRACTING AND CONSULTING ENGINEERS.

Steel Works, all kinds of Rolling Mills, Wire Mills, etc., all built complete. Machinery designed for any purpose

General Offices, - PITTSBURG, Pa.

American Steel & Wire Co.

New York: Empire Building.

Montreal: New York Life Building.

Chicago: The Rookery.

BARB WIRE. GALVANIZED PLAIN WIRE.

PLAIN TWIST CABLE FENCING.

Telegraph and Telephone Wire, Mattress, Broom, Weaving Wires of every description, Rail Bonds, Bale Ties, Special Wires for all purposes. Springs, Horse Shoes, Wire Rope, Cold Drawn Steel Shafting.



The Woman who buys

The White Mountain Freezer

helps to spread the story of its merit. You know the benefit of word of tongue advertising. Probably no household article sold to-day gets so much of this kind of advertising as the **White Mountain Freezer.** We know of hundreds of instances where a plate of good ice cream has resulted in a thirty-minute talk on the merits of the Freezer.

Think of it! You sell a freezer. The woman you sell to uses it—she serves the cream. Her guests eat it; they like it: they want a freezer that will make cream as good. She tells them where it can be had. You sell more freezers.

Is it possible to exaggerate the wisdom of selling an article that is well spoken of?

We are sole agents in Canada

The McClary Manufacturing Co.

London, Toronto, Montreal, Winnipeg, Vancouver, St. John, N.B.

If you are not thoroughly familiar with the various points of merit in the White Mountain Freezer, write us to-day for further information and prices.

WINDOW GLASS —TO IMPORT.

Prompt Deliveries

EVERY KIND OF PLATE AND WINDOW GLASS IN STOCK.

BEST GLASS of all kinds, our own manufacture. **Closest Prices.**

TORONTO PLATE GLASS IMPORTING CO.,

Hill & Rutherford

Warerooms and Offices—135 to 143 Victoria St.
Bending Works—209 to 213 Victoria St.

TORONTO

Use Syracuse Babbitt Metal

IT IS THE BEST MADE.



For Paper and Pulp Mills, Saw and Wood Working Machinery, Cotton and Silk Mills, Dynamos, Marine Engines, and all kinds of Machinery Bearings.

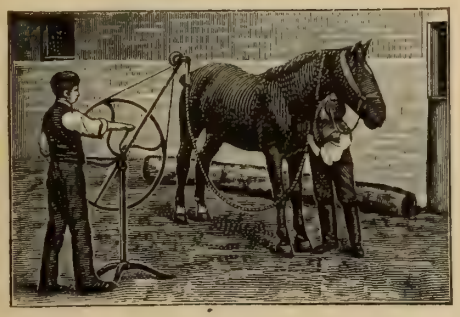
Wire, Triangular and Bar Solder, Pig Tin, Lead, Ingot Copper, Ingot Brass, Antimony, Aluminum, Bismuth, Zinc Spelter, Phosphor Tin, Phosphor Bronze, Nickle, etc., always in stock.

Canadian Works, Montreal, P.Q.
American Works, Syracuse, N.Y.
Head Office American Works, 94 Gold Street, New York.

Syracuse Smelting Works

BURMAN & SONS' CELEBRATED CLIPPERS

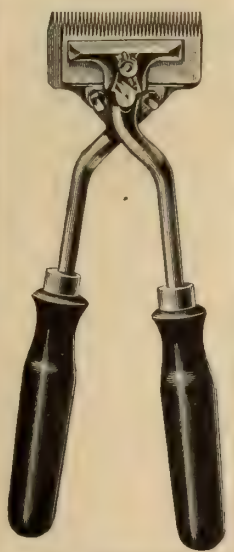
Established 1871. **BIRMINGHAM, ENG.** for Horsemen and Barbers.



NO. 3—POWER CLIPPER, with "Wrist Joint."

As supplied to { The Czar of Russia, The King of Denmark, Earl Roberts, Etc., Etc.

NO. 297.



THE "WARWICK" CLIPPER.
Cuts over three teeth.
As supplied to His Majesty's War Department.

Having bought the good-will, machinery and stock of Wm. Bown, Limited, we shall in future supply the Celebrated "Newmarket" Clipper, marked exactly as before, with the addition of "Made by Burman & Sons, Limited, Birmingham" on the handles. Largest makers of Horse Clippers in the world.

SEND FOR PRICE LIST AND TERMS.

To be obtained from all the principal Jobbers throughout the Dominion.

CORDAGE

ALL KINDS AND FOR ALL PURPOSES.

Manila Rope	Lathyarn
Sisal Rope	Shingleyarn
Jute Rope	Bale Rope
Russian Rope	Lariat Rope
Marline	Hemp Packing
Houseline	Italian Packing
Hambroline	Jute Packing
Clothesiines	Drilling Cables
Tarred Hemp Rope	Spunyarn
White Hemp Rope	Pulp Cord
Bolt Rope	Lobster Marlin
Hide Rope	Paper Cord
Halyards	Cheese Cord
Deep Sealine	Hay Rope
Ratline	Fish Cord
Plow Lines	Sand Lines

"RED THREAD" Transmission Rope from the finest quality Manila hemp obtainable, laid in tallow.

CONSUMERS CORDAGE COMPANY, Limited

Western Ontario Representative—
WM. B. STEWART,
Tel 94. 27 Front St. West, TORONTO.

MONTREAL, QUE.

MANITOBA MARKETS.

Winnipeg, June 4, 1902.

BUSINESS continues good with a heavy demand for all lines of building hardware, more especially for country trade. Jobbing houses complain, however, that collections are slower than is usual at this season. This difficulty is attributed to the bad condition of the country roads, preventing the farmers getting into town, and in that way limiting the buying. There have been few changes in prices since last writing. Solder has advanced 2c. and is now 20c. per lb. In binder twine a new schedule of prices has been issued, showing an advance of ½c. per lb. over those given at the opening of the season. However, there is practically little or no business doing at the present time, as all sales were made early and practically everyone is supplied. There will be, of course, a limited number of late buyers who will have to pay the advanced figure. Shipments of twine will begin about June 15 and will be pretty steady up to the end of July or first week in August. Profiting by the experience of last year nearly all dealers have asked for their supplies to be forwarded from ten days to two weeks earlier than last season. Dealers state there is not the slightest danger of shortage in supply this season, as there will be considerable surpluses in the South that can be drawn upon on short notice should the Western crop be so heavy as to demand a larger amount of twine than that already estimated as necessary.

In paints, oils and glass the demand is good, and there have been some sharp changes in prices since our last report. Turpentine has dropped 5c. per gallon, the present price being 75c. per gallon in barrel lots.

BINDER TWINE.—We quote: Sisal and standard, 12c.; manila, 550 ft., 13½c.; 600 ft., 14½c.; pure manila, 16c.

The price list for the week is as follows:

Barbed wire, 100 lb	$3 30
Plain twist	3 40
Staples	3 95
Oiled annealed wire, No. 10	3 85
" 11	3 90
" 12	3 95
" 13	4 10
" 14	4 25
" 15	4 35
Galvanized wire, 6 to 8 gauge	4 00
" 9 "	3 50
" 10 "	4 05
" 11 "	4 20
" 12 "	3 65
" 13 "	3 75
" 14 "	4 45
" 15 "	4 60
" 16 "	4 75
Wire nails, 30 to 60 dy, keg	3 25
" 16 and 20	3 35
" 10	3 35
" 8	3 45
" 6	3 50
" 4	3 65
" 3	3 90
Coil chain, 3-16 inch	10¼
" ¼ inch	8¾
" 5-16 inch	5½
" ⅜ inch	5¼
" 7-16 inch	5
" ½ to ¾ inch	4¾
Cut nails, 30 to 60 dy	3 10
" 20 to 40	3 15
" 10 to 16	3 20
" 8	3 25
" 6	3 30
" 4	3 60
" 3	3 75
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to No 1	4 65
No. 2 and larger	4 40
Snow shoes, No. 0 to No. 1	4 90
No. 2 and larger	4 40
Steel, No. 0 to No. 1	4 95
No. 2 and larger	4 70
Bar iron, $2.70 basis.	
Swedish iron, $5.00 basis.	
Sleigh shoe steel	3 25
Spring steel	3 25
Machinery steel	3 75
Tool steel, Black Diamond, 100 lb	8 50
Jessop	13 00
Sheet iron, black, 10 to 20 gauge, 100 lb.	3 50
20 to 26 gauge	3 75
28 gauge	4 00
Galvanized American, 16 gauge	2 79
18 to 22 gauge	4 75
24 gauge	5 00
26 gauge	5 25
28 gauge	5 50
Genuine Russian, lb	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 75
26 gauge	8 00
28 gauge	8 50
Tinplate, IC charcoal, 20 x 28, box	11 00
" IX "	13 00
" IXX "	15 00
Ingot tin	33
Canada plate, 18 x 21 and 18 x 24	3 25
Sheet zinc, cask lots, 100 lb	7 00
Broken lots	7 50
Pig lead, 100 lb	6 00
Wrought pipe, black up to 2 inch	50 and 10 p.c.
" Over 2 inch	50 p.c.
Rope, sisal, 7-16 and larger	$13 50
" ⅜	14 00
" ¼ and 5-16	14 20
Manila, 7-16 and larger	17 00
" ⅜	17 55
" ¼ and 5-16	18 00
Solder	20
Cotton Rope, all sizes, lb	17
Axes, chopping	$7 50 to 12 00
" double bitts	12 00 to 18 00
Poultry netting, 24 in	1 35
Screws, flat head, iron, bright	87½
Round " "	82½
Flat " brass	80
Round " "	75
Coach	57½ p.c.
Bolts, carriage	50 p.c.
Machine	50 p.c.
Tire	60 p.c.
Sleigh shoe	65 p.c.
Plough	40 p.c.
Rivets, iron	50 p.c.
Copper, No. 8	26
" No. 12	30
Bluestone, cask lots	$5 50
Spades and shovels	40 p.c.
Harvest tools	60 p.c.
Axe handles, turned, s. g. hickory, doz.	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 75
No. 1	1 25
Files common	70, and 10 p.c.
Diamond	60
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	30 p.c.
" military	15 p.c.
American R.F.	30 p.c.
C.F. pistol	5 p.c.
C.F. military	10 p.c. advance.
Loaded shells:	
Eley's soft, 12 gauge black	16 50
chilled, 12 gauge	18 00
soft, 10 gauge	21 00
chilled, 10 gauge	23 00
Shot, Ordinary, per 100 lb	6 25
Chilled	6 75
Powder, F.F., keg	4 75
F.F.G.	5 00
Tinware, pressed, retinned	75 and 2½ p.c.
" plain	70 and 15 p.c.
Graniteware, according to quality	50 p.c.

PETROLEUM.

Water white American	25½c.
Prime white American	24c.
Water white Canadian	22c.
Prime white Canadian	21c.

BINDER TWINE.

Sisal and Standard f.o.b. Winnipeg	$ 11⅝
Manila, 550 feet	12⅞
Manila, 600 feet	14⅛
Pure Manila	15⅝

Five-ton lots ⅛c. less per lb., and car-lots ¼c. less.

SCRAP.

No. 1 cast iron	$13 to $14 per ton
No. 2 "	5 to 6 "
Wrought iron scrap	5 "
Copper (heavy)	7c. per lb.
Yellow brass (heavy)	8c. "
Light brass	5c. to 6c. "
Lead pipe, or tea lead	2c. to 2½c. "
Zinc scrap	1c. "

PAINTS, OILS AND GLASS.

Turpentine, pure, in barrels	$ 75
Less than barrel lots	80
Linseed oil, raw	85
Boiled	88
Lubricating oils, Eldorado castor	29
Eldorado engine	28½
Atlantic red	29½
Renown engine	41½
Black oil	20
Cylinder oil (according to grade)	55 to 74
Harness oil	65
Neatsfoot oil	90
Steam refined oil	85
Sperm oil	2 00
Pure castor oil, East India	11
Lubricating	10

NOTES.

J. B. Graham has sold his hardware business, at Ochre River, to William Oliver.

The Marshall-Wells Hardware Co. are adding a fine line of English cutlery to their stock here.

Hugh Pringle, who recently opened a manufacturers' agency at 306 McIntyre Block, is introducing to this market "The World's only Dustless Brush," manufactured by The Milwaukee Dustless Brush Co.

The strike of the Canadian Northern machinists has assumed serious proportions from the fact that the company seem steadily determined to ignore the union. It is understood the men have appealed to Ottawa in this matter.

Geo. D. Wood & Co. are calling for tenders for an addition to their present warehouse of 75 x 99 feet, four storeys and basement. When completed they will have one of the largest hardware houses in Canada, having a frontage of 210 feet on Arthur street and an average depth of 99 feet. The materials will be the same as those of the present building, rubble stone and white brick.

John Lavallee & Fils, general merchants, St. Charles Bellechassee, Que., have registered.

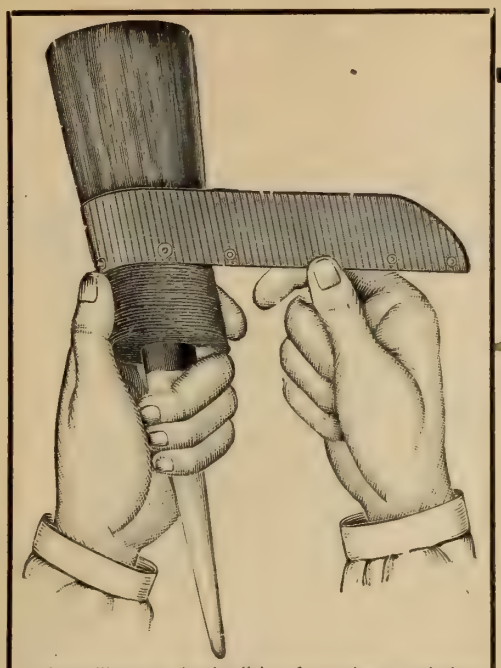
J. Dodds & Sons, general merchants, Carlyle, Man., have sold out to S. H. Jones & Co.

Charles L. Carter, general merchant, Hopewell Cape, N.B., has sold out to Bray & Newcombe.

WIRE NAILS
TACKS
WIRE

Prompt Shipment.

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.



This cut illustrates the simplicity of removing or replacing bridle of **Boeckh's** Patent Bridled Brush.

Boeckh's Standard Brushes and Bryan's London Brushes Are Quick Sellers.

Painters', Varnishers' and Kalsominers' Brushes, Toilet Brushes, Household, Machinery and Factory Brushes, Horse and Carriage Brushes, etc. Ten thousand different sizes and styles—a brush for every known use, and each brush fully guaranteed.

WE CREATE IDEAS. NEVER FOLLOW OTHERS.

If our traveller has not called upon you, or does not visit your town, it will be money in your pocket to write us at once regarding unrivalled selling lines. Communicate with us and we will, if possible, arrange for our representative to call upon you, or we will send you quotations and full particulars by mail.

UNITED FACTORIES,

Limited,

Head Office: Toronto.

OPERATING:
Boeckh's Toronto Factories.
Bryan's London Factories.
Cane's Newmarket Factories.

Send for our Illustrated 1902 Catalogue.

DAVID MAXWELL & SONS

ST. MARYS, ONT., CANADA.



Steel Frame Churn.

"Maxwell Favorite Churn"

PATENTED FEATURES: Improved Steel Stand, Roller Bearings, and Foot and Hand Lever Drive, and Detachable Driving Link. Improved for season of 1902. Steel or Wood Frame as desired.

Wheelbarrows.

In Four different Sizes.

Lawn Mowers.

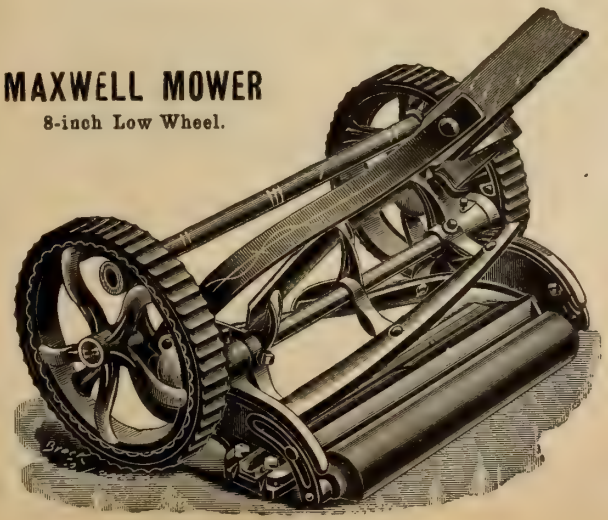
High and Low Wheels. from 12 in. to 20-in, widths. Cold Rolled Steel Shafting, Crucible Steel Knives and Cutting Plate.

If your Wholesale House does not offer you these articles

SEND DIRECT TO US.

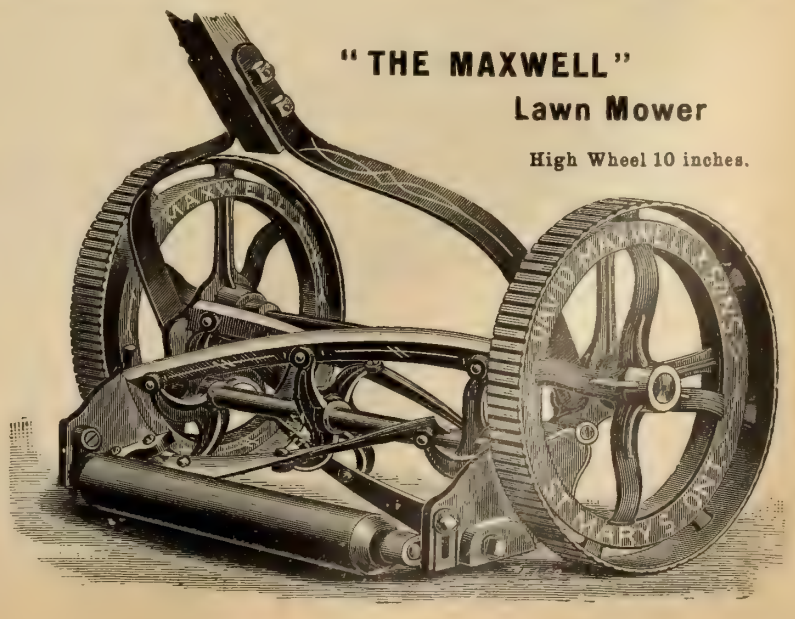
MAXWELL MOWER

8-inch Low Wheel.



"THE MAXWELL" Lawn Mower

High Wheel 10 inches.



LUXFER DECORATIVE GLASS



PRICES—Per square foot:

104,	$ .75	123A,	$1.60	171,	$1.50	210,	$ .65	224,	$1.50	247,	$1.10	322,	$3.50
112,	.65	150,	1.60	175,	1.50	218,	1.75	235,	2.75	313,	1.50	323,	3.50
123,	1.50	163,	1.75	206,	1.00	221A,	1.00	238A,	2.00	317,	1.50	324,	1.25

Copper Electroglazed in Bright Antique or Black Finish. **Leaded work of all kinds.**
Importers of Etruscan, Muffled, Crackled and Cathedral Glass.

WRITE FOR PRICES AND DESIGNS.

LUXFER PRISM CO., Limited, 98-100 King Street West, TORONTO.

John Bowman

HARDWARE & COAL CO.

LONDON, ONT.

Our stock of goods for the spring trade is now complete, and we can fill all orders promptly on the following lines :

Wire, Nails, Cordage, Window Glass, White Lead, Paints, Whiting, Churns, Linseed Oil, Spades and Shovels, Screen Doors, Wove Wire, Poultry Netting, Builders' Hardware, Guns and Sporting Goods. Finest stock in the Province of Cutlery.

Prompt Shipment. Prices Right.

DOMINION WIRE MANUFACTURING COMPANY

LIMITED

ESTABLISHED 1880 INCORPORATED 1893 DOMINION TRADE MARK

ESTABLISHED 1880 INCORPORATED 1893 DOMINION TRADE MARK

MONTREAL and TORONTO

WORKS AT

DOMINION

NEAR MONTREAL

GOODS MARKED **DOMINION** ARE GUARANTEED

Locks and Builders' Hardware.

We have a most complete line of all these goods, including the very newest ideas in

Bronze and Brass Knobs, Door Sets and Escutcheons.

LOCKS AND LATCHES OF ALL KINDS.

Any dealer asking for a catalogue will be sent full prices, discount sheets, etc., etc. Drop a card.

ESTABLISHED 1843. INCORPORATED 1893.

THE Gurney-Tilden Co., LIMITED

Hamilton. Toronto. Montreal.

AGENCIES:—ST. JOHN, N. B., VANCOUVER, B. C.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

Montreal, June 6, 1902.

HARDWARE.

TRADE has been somewhat quieter during the past week than in the previous seven days. A holiday on Tuesday, in some places, including Montreal, although not very well observed, was, nevertheless, a quiet day with many of the wholesale houses. The market has been steady on practically all lines of hardware. A number of orders for lawn mowers are still being received, and some jobbers are short on 12 and 14-in. sizes. Haying tools have been moving out freely, and horsepokes and pumps have been in active demand. Hardware lines of plated silverware are among the quick selling articles of the week. Carpet sweepers have been going rapidly.

SCYTHES.—The market is still active at the quotations here given, which are as follows: Lance, No. 80, $5.50; Hurd's Clipper, $6.50; concave, $7.50; Sibley, $8.50; Cradle scythes, cast steel, $8.50; silver steel, $9.50; "Harvest King," $10.50. Bush scythes, $6.50.

BARB WIRE.—This is not selling as well as during the past few weeks, the trade having about completed their purchases. There is, however, a fair demand yet, at $3 per 100 lb. f.o.b. Montreal.

GALVANIZED WIRE.—This is in moderate demand. No change has occurred in prices, and our quotations are as follows: Nos. 6, 7 and 8 gauge, $3.45; No. 9, $2.80; No. 10, $3.55; No. 11, $3.65; No. 12, $2.95; No. 13, $3.05; No. 14, $4.05; No. 15, $4.55; No. 16, $4.80; No. 17, $5.20; No. 18, $5.45.

SMOOTH STEEL WIRE.—There is not a great demand for this wire at present. Our quotations are now as follows: Bright iron and annealed on a base of $2.60 per 100 lb. f.o.b. Montreal, Toronto, Halifax, London, Hamilton and St. John. Net extras per 100 lb. are as follows: Coppered wire, 60c.; tinned wire, $2; oiling, 10c.; spring wire, $1.25; best steel wire, 75c.; bright soft drawn, 15c.; special hay-baling wire, 30c.

FENCE WIRE.—Trade is quiet. Fine wire is discounted at 22½ per cent.

BRASS AND COPPER WIRE.—There is not much doing. Discount, 60 per cent.

FENCE STAPLES.—The inquiry for fence staples has dropped off considerably. Our quotations are as follows: Bright, $2.90 per 100-lb. keg; galvanized, $3.25. An extra of 25c. is charged for 25 and 50-lb. packages.

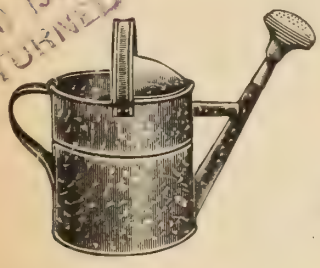
WIRE NAILS.—These are in active demand at $2.55 for small lots and $2.50 for carlots f.o.b. Montreal, London, Hamilton, Toronto, Gananoque, Brantford, Windsor, Ont., St. John and Halifax.

CUT NAILS.—The market is still lively, and an excellent trade is being done. Cut nails sell in small lots at $2.45 per keg, and in carlots, at $2.37½ per keg. Flour barrel and coopers' nails, 40 per cent. discount.

HORSE NAILS.—The demand for these has become very small. Discounts follow: "C" brand, 50 and 7½ per cent. off; "M" brand, for "Oval" and "New City" heads, 60 per cent. off, and for "New Countersunk" heads, 66 2-3 per cent. off. "Monarch" horse nails are also discounted at 66 2-3 per cent.

HORSESHOES.—There is not much demand for these. Some very low prices were being offered on cull shoes, which aroused a little interest in the market, but at a meeting of manufacturers, the cut prices were withdrawn, although each is still at liberty to make his own prices. Our quotations are as follows: Iron shoes, light and medium pattern, No. 2 and larger, $3.50; No. 1 and smaller, $3.75; snow shoes, No. 2 and larger, $3.75; No. 1 and smaller, $4.00; X L steel shoes, all sizes, 1 to 5, No. 2 and larger, $3.60; No. 1 and smaller, $3.85; feather-weight, all sizes, $4.85; toe weight, steel shoes, all sizes, $5.95 f.o.b. Montreal; f.o.b. Hamilton, London and Guelph, 10c. extra.

SCREWS.—These are moving out freely. Discounts are: Round head bright, 82½ and



Goods That Are Selling Now

Sprinklers—Galvanized and Japanned. Two styles and five sizes in each.

Water Coolers—Assorted colors and styles and handsomely decorated.

Water Coolers and Filters—Assorted colors and styles.



COMBINED

Water Compartments made of galvanized iron with filter that can be readily cleaned. Non-heat-conducting material between the Water Compartments and outside body.



A big trade is now being done in the above lines. If you require a supply, we can ship prompt.

The McClary Manufacturing Co.

LONDON TORONTO MONTREAL WINNIPEG VANCOUVER ST. JOHN, N.B.

"Everything for the Tinshop."

ENGLISH
GERMAN
BELGIAN
CANADIAN
AMERICAN
} PORTLAND CEMENTS.

FIRE
BUILDING
ENAMELLED
SILICA
MAGNESIA
} BRICKS.

DRAIN
CULVERT
} PIPES.

F. HYDE & CO.
31 WELLINGTON ST., MONTREAL

. . FULL STOCK . .
Salt Glazed Vitrified


Double Strength Culvert Pipe a Specialty.
THE CANADIAN SEWER PIPE CO.
HAMILTON, ONT. TORONTO, ONT.
ST. JOHNS, QUE.

Deseronto Iron Co.
LIMITED
DESERONTO, ONT.
Manufacturers of
CHARCOAL PIG IRON
BRAND "DESERONTO."
Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

"MIDLAND"
BRAND
Foundry Pig Iron.
Made from carefully selected Lake Superior Ores, with Connellsville Coke as fuel, "Midland" will rival in quality and grading the very best of the imported brands.
Write for Prices to Sales Agents
Drummond, McCall & Co.
or to MONTREAL, QUE.
Canada Iron Furnace Co.
MIDLAND, ONT. Limited

10 per cent.; flat head bright, 87½ and 10 per cent.; brass, round heads, 75 and 10 per cent.; brass, flat heads, 80 and 10 per cent.

BOLTS.—The market for bolts is quite as active as ever. Our quotations are as follows: Norway carriage bolts, 55 per cent.; common, 50 per cent.; full square carriage bolts, 55 per cent.; machine bolts, 50 and 5 per cent.; coach screws, 66 2-3 per cent.; sleigh shoe bolts, 65 and 5 per cent.; blank bolts, 50 and 5 per cent.; bolt ends, 50 and 5 per cent.; plough bolts, 50 and 5 per cent. To any retailer an extra discount of 10 per cent. is allowed. Tire bolts, 67½ per cent.; stove bolts, 67½ per cent. Nuts, square, 3½ per lb. off list; hexagon nuts, 3¾c. per lb. off list. To all retailers an extra discount of ¼c. per lb. is allowed.

BUILDING PAPER.—The feeling in this market is quite firm and the expected advance becomes more probable daily. The demand is good. Quotations are: Tarred felt, $1.70 per 100 lb.; 2-ply, ready roofing, 85c. per roll; 3- ply, $1.10 per roll; carpet felt, $2.25 per 100 lb.; dry sheathing, 30c. per roll; tar sheathing, 40c. per roll; dry fibre, 50c. per roll; tarred fibre, 60c. per roll; O K and I X L, 65c. per roll; heavy straw sheathing, $30 per ton; slaters' felt, 60c. per roll.

CORDAGE.—The inquiry for cordage is slow this week. Binder twine, however, has commenced to move out fairly well. Manufacturers are reported to be pretty well sold out of binder twine, and present indications point to a shortage in the near future. Crops are considered to be fairly heavy, and the demand will doubtless be large. A few American manufacturers have already refused orders. We quote: Manila, 16c.; British manila, 14½c.; sisal, 13c.; lathyarn, 11½c. Prices on binder twine are as follows: Blue Ribbon, 650 feet to the pound, 15c.; Redcat, 600 feet to the pound, 14c.; Tiger, 550 feet to the pound, 13c.; Standard, 500 feet to the pound, 11½c.; sisal, 500 feet to the pound, 11½c. Prices are subject to a rebate of ¼c. in carload lots.

RIVETS AND BURRS.—There is a fair inquiry at unchanged prices. Discounts are: Best iron rivets, section carriage, and wagon box, black rivets, tinned do., coopers' rivets and tinned swedes rivets, 60 and 10 per cent.; swedes iron burrs are quoted at 55 per cent. off; copper rivets, with the usual proportion of burrs, 45 and 10 per cent. off, and coppered iron rivets and burrs, in 5-lb. carton boxes, are quoted at 60 and 10 per cent. off list.

SCREEN WIRE CLOTH.—The market continues quite active at $1.37½ per 100 square feet.

POULTRY NETTING.—Business is still brisk. The discounts are as follows on Canadian or English: 2 x 2 mesh, 19 wire, 50 and 10 per cent.; 2 x 2 mesh, heavier wire, 50 per cent. Canadian list used.

HARVEST TOOLS.—There is still an active demand with the discount at 60 per cent.

FIREBRICKS.—Trade is moderately good. Scotch sell at $17 to $22, and English, at $16 to $22 per 1,000.

CEMENT.—Canadian cement is now quoted at $1.90 to $2.25, a decline of 10c. We quote: Canadian cement, $1.90 to $2.25; German, $2.20 to $2.30; English, $2.15 to $2.25; Belgian, $1.70 to $1.95

A. C. LESLIE & CO.
HEADQUARTERS FOR
Tinplates—all grades
Canada Plates, Terne Plates
Black and Tin Taggers
Steel Sheets for all purposes
Imitation Russia Sheets.
Import Orders for Wholesale Buyers Only.
509-512 Merchants Bank Building,
MONTREAL.

THE R. McDOUGALL CO., Limited,
GALT, ONT.
Manufacturers of


Iron and Brass
PUMPS
FOR ALL SERVICES.
FORCE PUMPS,
LIFT PUMPS,
CISTERN PUMPS,
HAND OR POWER PUMPS
OF ALL KINDS.
Catalogue for the asking.
OUR MOTTO: "The best quality and right prices."

We offer for Prompt Shipment—
Pig Iron,
No. 1 "Carnbroe"
No. 3 "Middlesbro"
Pig Tin,
Straits
Lamb & Flag
Ingot Copper,
"M. & A." and "Lake"
Lead,
Antimony.
ADAM HOPE & CO.
Hamilton, Ont.

NOVA SCOTIA STEEL & COAL CO., Limited
NEW GLASGOW, N.S.
Manufacturers of
Ferrona Pig Iron
And SIEMENS MARTIN
OPEN HEARTH STEEL.



More **Elastilite Varnish**

sold up to date this year than during any previous twelve months since we introduced it. "Reason?" There never has been, there is not now, and we doubt if there ever will be a Varnish put up, either by domestic or foreign makers, equal to ELASTILITE for the same money.

In tins only, from ½-pints to 1 gallon.

MANUFACTURED ONLY BY

The Imperial Varnish & Color Co. LIMITED

Toronto, Ont., Canada.

Canadian Agents for Buehne's "Red, White and Blue" Brand Steel Wool.

There's Money

in handling a good line of ready-mixed paint, as it is at once the cheapest and best way to secure and hold trade.

A dealer handling one of those "just-as-good" lines and selling at a reduced price to draw custom, is standing in his own light.

"Ark Brand" Paint

has proven itself to be the best all-round ready-mixed paint for outside and inside use on the market. Your customers don't like to hear you say this or that "is just as good." It has a bad effect.

EVERY CAN GUARANTEED.

THE **FRANCIS-FROST C°. Limited**
TORONTO.

Canadian Distributing Agents for Grippin's Crack Filler.

per bbl. ex-wharf, and American, $2.10 to $2.20 ex-cars.

METALS.

There is still some activity in the local market, though prices all round are steady and unchanged. Galvanized iron is one of the most active lines. Some importers are having difficulty in obtaining supplies of sheet copper from the United States, the mills there having booked all the orders they can attend to for the next two or three months. In the English markets, while some lines, like Canada plates and black sheets, show some weakness, the general tone of the market since the peace declaration is stronger. Quotations are lower on Canada plates, and black sheets are also reported to have been bought at a reduced figure lately.

PIG IRON.—There is no important change in the market. Supplies are still light in most dealers' hands, and the market remains firm. The price of Canadian is $18.50 to $19, and of Summerlee, $21.50 to $22.

BAR IRON.—Merchants' bar is quoted at $2, and horseshoe iron, at $2.20. There is nothing new to report in the market, which is still active.

BLACK SHEETS.—The demand is fair. English prices have been quoted lower, although a cable of Monday announces a rising market. We quote: 28 gauge, $2.65; 26 gauge, $2.60; 20 to 24 gauge, $2.50, and 8 to 20 gauge, $2.50.

GALVANIZED IRON.—This has been moving actively during the week at the prices we quote: No. 28, Queen's Head, $4.40; Apollo, 10¾ oz., $4.40; Fleur de Lis, $4.15; Comet, $4.25; "Bell" brand, $4.30. For less than case lots 10c. extra.

INGOT COPPER.—The market is steady. There is very little demand. The price is 14c.

INGOT TIN.—There is no change in this market. Straits is quoted at 33c.

PIG LEAD.—The market is quiet. Lead sells at $3.25.

LEAD PIPE.—There is a steady demand. Composition waste is quoted at 7½c., and ordinary, at 7c. Discount, 37½ per cent.

IRON PIPE.—A good deal of activity still prevails in this line. Prices quoted have not been changed. They are as follows: Black pipe, ⅛, $3; ¼, $2.40; ⅜, $2.65; ½, $3; ¾, $3.70; 1-in., $5.25; 1¼, $7.40; 1½, $8.90; 2-in., $12.40. Galvanized, ¼, $3.20; ⅜, $3.45; ½, $4; ¾, $5.05; 1-in., $7.25; 1¼, $10.10; 1½, $12.15; 2-in., $16.70. Extra heavy pipe, plain ends, are quoted, per 100 ft., as follows: Black, ½, $4.35; ¾, $5.30; 1-in., $7.60; 1¼, $10.60; 1½, $12.70; 2-in., $17.45. Galvanized, ½, $5.35; ¾, $6.70; 1-in., $9.60; 1¼, $13.30; 1½, $15.95; 2-in., $21.75. For threads and couplings 5 per cent. is added.

TINPLATES.—Business continues somewhat quiet. Charcoals are quoted at $4.75 to $5.25 per box, and cokes at $4.25 per box.

CANADA PLATE.—The foreign market shows some weakness in Canada plate, and late quotations from England are placed at a lower figure. Locally, there has been no change. Our quotations are as follows: 52's, $2.70 to $2.80; 60's, $2.85 to $2.90; 75's, $2.80 to $2.85; full polished, $3.75, and galvanized, $4.25 to $4.35.

STEEL.—The demand continues good. Quotations are as follows: Sleighshoe, $2.10; tire, $2.20; bar, $2.05; spring, $2.85; reeled machinery, $2.75; toecalk, $2.70.

SHEET STEEL.—A moderate trade is doing. Our quotations are as follows: Nos. 10 to 20, $2.50; 3-16, $2.50; ¼, 5-16 and ⅜, $2.40.

TOOL STEEL.—There is little doing in this line. We quote: Black Diamond, 8c.; Sanderson's, 8 to 12c., according to grade; Jessop's, 13c.; Leonard's, 7½c.; Jonas & Colver's, 8 to 15c.; "Air Hardening," 30 to 50c.

TERNE PLATES.—The market is dull. The price is $7.75 to $8.

COIL CHAIN.—Chain is moving but slowly, and our quotations are as follows: No. 6, 12½c.; No. 5, 10½c.; No. 4, 10c.; No. 3, 9½c.; ¼-inch, 7¼c. per lb.; 5-16, $5; 5-16 exact, $5.25; ⅜, $4.25; 7-16, $4.05; ½, $3.95; 9-16, $3.85; ⅝, $3.55; ¾, $3.50; ⅞, $3.45; 1-inch, $3.45. In carload lots an allowance of 10c. is made.

SHEET ZINC.—Trade is quiet, and the price remains at $5.85 to $6.25.

ANTIMONY.—This is still very quiet. The price is 10c.

ZINC SPELTER.—We quote 5c.

SOLDER.—The demand for solder keeps up well, and the market this week has been quite active. Wire solder is quoted at 20c., and bar solder, at 18c.

PAINTS AND OILS.

A recent advice from the Southern markets states that the position of turpen-

tine is gradually becoming stronger, and that the crop is short, there being only 4,500 barrels on Saturday, May 31, as against 19,000 barrels on the same date last year. Prices here are 2c. higher, and the same advance has been made in linseed oil. Supplies have not reached here yet in any quantity, and the market is firm.

On account of the moist weather there has been an excellent demand for paris green, which has served to stop all concessions of price. Holders are firm at the prices we quote, anticipating a shortage. A feature of the week has been the marked inquiry for ground white lead of all grades, and stocks which accumulated during the winter months have disappeared. Manufacturers have now to ship white lead as soon as it is matured. Varnishes and dry colors share in the general activity. Cod oil and seal oil are scarce with several houses, and sales have been made in the former as high as 37½c. We quote :

WHITE LEAD.—Best brands, Government standard, $5.87½ ; No. 1, $5.50 ; No. 2, $5.12½ ; No. 3, $4.75 ; No. 4, $4.37½ all f.o.b. Montreal.

DRY WHITE LEAD.—$5.25 in casks ; kegs, $5.50.

DRY WHITE ZINC.—Pure dry, 6½c. ; No. 1, 5½c.; in oil, pure, 7½c.; No. 1, 6¼.; No. 2, 5½c.

PUTTY.—We quote : Bulk, in bbls., $1.90 per 100 lb.; bulk, in less quantity, $2.05 ; bladders, in bbls., $2.25 ; bladders, in 100 or 200-lb. kegs or boxes, $2.40 ; in tins, $2.55 to $2.65 ; in less than 100-lb. lots, $3 f.o.b. Montreal, Ottawa, Toronto, Hamilton, London and Guelph. Maritime Provinces, 10c. higher, f.o.b. St. John and Halifax.

ORANGE MINERAL.—Casks, 7c.; 100-lb. kegs, 7½c.; smaller quantities, 8½c.

RED LEAD.—Genuine red lead, in casks, $4.50 ; in 100-lb. kegs, $4.75 ; in less quantities, $5.75 per 100 lb. No. 1 red lead, casks, $4.25 ; kegs, $4.50, and smaller quantities, $5.50.

LITHARGE.—Ground, casks, 5c. ; less quantities, 5½c.; flake litharge, casks, $5.25 ; smalls, $5.75 per 100 lb.

LINSEED OIL.—Raw, 84c.; boiled, 87c.; In 5 to 9 barrels, 1c. less. Terms, net cash in 30 days. Delivered in Ontario, between Montreal and Oshawa, at 2c. per gallon advance, and freight allowed.

TURPENTINE.—Single barrels, 72c.; 2 to 4 barrels, 71c. Terms, net cash in 30 days.

SHELLAC VARNISH.—Pure white, $2.35 to $2.45 ; orange, $2.25 to $2.35.

MIXED PAINTS.—$1.20 to $1.45 per gallon.

CASTOR OIL.—8¾ to 9¼c. in wholesale lots, and ½c. additional for small lots.

SEAL OIL.—47½ to 49c.

COD OIL.—32½ to 35c.

PARIS GREEN.—Petroleum, bbls., 16¾c. per lb.; arsenic kegs, 17c.; 50 and 100-lb. drums, 17½c.; 25-lb. drums, 18c.; 1-lb. packages, 18½c.; ½-lb. packages, 20½c.; 1-lb. tins, 19½c.; ½-lb. tins, 21½c. f.o.b. Montreal. Terms : 3 per cent. 30 days, or four months from date of delivery.

SCRAP METALS.

The interesting line in the market for scrap materials continues to be in rubbers. The advance of two weeks ago was followed by a sudden reaction, as several large rubber reclaimers of the United States stopped buying as soon as they had obtained a supply sufficient for their temporary requirements. The market is rather unsettled at present, and although jobbers are paying 6½c., the market price of rubbers is hard to decide upon. Iron is weakening since the mills have filled all their requirements from Europe, and No. 1 wrought is this week quoted at $15. Our quotations are now as follows : Heavy copper and wire, 10½c. per lb.; light copper, 8c.; heavy red brass, 10½c.; heavy yellow, 9c.; light brass, 5c.; lead, 2 to 2¼c.; zinc, 2¼c.; iron No. 1, wrought, $15 ; No. 2, $7 per ton ; machinery scrap, $16 ; stove plate, $12 ; malleable and steel, $5 ; mixed country rags, 60 to 70c. per 100 lb. ; old rubbers, 6¼c. per lb.

GLASS.

The market for glass is still very quiet. We quote: First break, 50 ft., $2.10 second, $2.20 for 50 feet ; first break, 100 feet, $4 ; second break, $4.20 ; third break, $4.70 ; fourth break, $4.95.

HIDES.

Beef hides are quoted 1c. lower this week, and are easy at the new price. Calfskins are also down 1c. We quote : No. 1 hides, 8 to 9c.; No. 2, 7c.; No. 3, 6c. No. 1 calfskins, 11c.; sheepskins, 70c.; lambskins, 15c. per lb.

MONTREAL NOTES.

Beef hides and calfskins are 1c. lower. No. 1 wrought scrap iron is $1 per ton lower.

ONTARIO MARKETS.

Toronto, June 6, 1902.

HARDWARE.

BUSINESS in general seems to be keeping up well. The demand is increasing in harvest tools, forks, scythes, and the like, and a fair sorting-up trade is being done in ice-cream freezers. There is a scarcity of lawn mowers, poultry netting, and spring hinges, and the factories claim to be away behind with their orders. There is still a good demand for barb wire and all other kinds of fencing wires. Manufacturers of cast hardware have advanced their prices in nearly all lines, and the Canadian makers of chisels and draw knives have put their prices up 10 per cent. Jobbers are compelled to put this change into effect at once. In building paper, the prices of dry sheathing and tar sheathing each have been put up 5c. per roll.

BARB WIRE.—The sales in barb wire continue large. We quote : F.o.b. Cleveland, $2.77½ for less than carlots and $2.65 for carlots. From stock, Toronto, $3.00.

GALVANIZED WIRE.—Trade is about the same as last week, and our quotations are as follows : Nos. 6, 7 and 8, $3.50 to $3.85 per 100 lb., according to quantity ; No. 9, $2.85 to $3.15 ; No. 10, $3.60 to $3.95 ; No. 11, $3.70 to $4.10 ; No. 12, $3 to $3.30 ; No. 13, $3.10 to $3.40 ; No. 14, $4.10 to $4.50 ; No. 15, $4.60 to $5.50 ; No. 16, $4.85 to $5.35. Nos. 6 to 9 base f.o.b. Cleveland are quoted at $2.52½ in less than carlots and 12c. less for carlots of 15 tons.

SMOOTH STEEL WIRE.—Business continues brisk in oiled and annealed wire. The base price is quoted at $2.60 per 100 lb. Oiling, 10c.; coppering, 60c.;and tinning, $2 per 100 lb. extra. Delivery points Toronto, Hamilton, London and Montreal, with freights equalized on those points.

FINE STEEL WIRE.—Trade is still fair and the prices are unchanged. Discount, 22½ per cent.

WIRE NAILS.—The demand continues steady with quite a few sorting-up orders coming in. We quote $2.55 for less than carlots and $2.50 for carlots. The delivery points are Toronto, Hamilton, London, Gananoque, and Montreal.

CUT NAILS.—There is not much trade doing this week. The base price is $2.45 per keg, and 7½c. less for carlots.

HORSE NAILS.—The trade doing is of a limited character. Our discounts are as follows : "C" brand, oval head,

Improved Building Materials

All the newest, most effective ideas are embodied in our metallic goods.

The points that make for convenience in handling—for long duration—for most efficient service.

The points that make fully satisfied customers.

Isn't it to your own interest to sell the goods that never require an after apology or explanation ?

Consult our catalogue for prices on

CEILINGS SIDINGS LATHING
SHINGLES CORNICES CORRUGATED IRON

and a host of other metallic goods for all kinds of architectural purposes.

The Metallic Roofing Co., Limited,

TORONTO. MONTREAL. WINNIPEG.

50 and 7½ per cent.; on "M" brand, 50, 10 and 5 per cent.; "Monarch," 60 2-3 per cent. Countersunk head, 60 per cent.

HORSESHOES.—There is a small trade doing. We quote f.o.b. Toronto: Iron shoes, No. 2 and larger, light, medium and heavy, $3.60; snow shoes, $3.85; light steel shoes, $3.70; featherweight (all sizes), $4.95; iron shoes, No. 1 and smaller, light, medium and heavy (all sizes), $3.85; snow shoes, $4; light steel shoes, $3.95; featherweight (all sizes), $4.95.

SCREWS.—The demand keeps steady with a fair supply. Prices remain unchanged. Discounts follow: Flat head bright, 87½ and 10 per cent.; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.; round head bronze, 65 per cent., and flat head bronze 70 per cent.

RIVETS AND BURRS.—The demand for these is still steady, but there is a scarcity of rivets. Our quotations are as follows: Iron rivets, 60 and 10 per cent.; iron burrs, 55 per cent.; copper rivets, with usual proportion of burrs, 45 and 10 per cent.; copper burrs alone, 30 and 10 per cent.

BOLTS AND NUTS.—In bolts and nuts the manufacturers are behind with their orders and the chances of their immediately catching up are small. Our quotations follow: Carriage bolts, common ($1.00 list), 50 per cent.; carriage bolts, full square ($2.40 list), 55 per cent.; carriage bolts, Norway iron ($3 list), 55 per cent.; machine bolts, all sizes, 50 and 5 per cent.; coach screws, cone points, 66 2-3 per cent.; elevator shaft and whiffletree bolts, 50 per cent.

SCREEN DOORS AND WINDOWS.—The demand is still brisk, and common doors, 2 or 3 panel, are quoted f.o.b. factory points as follows: Walnut, stained, 3-in. style, $6.80 per dozen; stained, yellow, $7; natural color, oil finish, $8.15; 4-in. style, 20c. extra per dozen. Windows: No. 0, $1.60; No. 1, $1.70; No. 2, $1.95; No. 3, $2.10; No. 4, $2.50 per dozen.

GREEN WIRE CLOTH.—Trade is keeping up well. We quote $1.37½ per 100 square feet.

SPADES AND SHOVELS.—Business continues fair and the discounts are unchanged at 40 and 5 per cent.

ROPE.—There is a fair demand. The hemp market is still easy, and our quotations are as follows: Pure manila, 16c.; British manila, 14½c.; sisal, 13c.; lathyarn, 12c.; sisal bed cord, 3 cord, 48 ft., 65c.; 60 ft., 80c.; 72 ft., 95c. per doz.

BINDER TWINE.—There is a little trade being done. Quotations are: "Blue Ribbon," 650 feet, 15c.; "Red Cap," 600 feet, 14c.; "Tiger," 580 feet, 13c.; sisal, 500 feet, 11½c.

EAVETROUGH, ETC.—Trade is moderate and the prices are unchanged. We quote as follows: Eavetrough, $3.10 per 100 square feet, for 10-inch, and conductor pipe at $4 for 3-inch, and $5.25 for 4-inch.

HARVEST TOOLS.—There is an increasing demand for harvest tools. The prices are unchanged, and the discount is 60 per cent.

BUILDING PAPER.—There is still a good trade being done. The prices of dry sheathing and tar sheathing have been advanced each 5c. per roll. We quote: Dry sheathing, grey or straw, 35c. per roll; tar sheathing, grey or straw, 45c. per roll; dry fibre, 50c. per roll; tarred fibre, 60c. per roll.

LAWN MOWERS.—There is a brisk demand, but on account of their scarcity difficulty is experienced in filling orders. The discount continues unaltered at 50 per cent. on high-wheeled lawn mowers, "Star" mowers, 9-in. wheels, $2.25 to $3; "Daisy" mowers, 17-in. wheels, $2.25 to $2.50.

HARVEST WHIPS.—Business is steady at the advance of last week.

POULTRY NETTING.—There is a good demand for poultry netting, but the difficulty in getting orders from the manufacturers still remains.

TINWARE AND ENAMELLED WARE.—There is a moderate trade being done and the prices are unchanged. The discount is 40 per cent.

SPORTING GOODS.—The business that is being done is mostly for future delivery in the fall. Only orders for fishing tackle, etc., are being shipped at present.

CEMENT.—The market still holds firm with no advance over the prices of a week ago. A great amount of business is already being done and manufacturers do not care to book large orders at present for future delivery. Our quotations are as follows: Canadian Portland, $2 to $2.85; Canadian hydraulic, $1.35 to $1.60; German cement, $3; English, $3 to $3.15; Belgian, $2.50 to $2.75 per bbl., and American, $2.20 to $2.30 ex cars.

METALS.

The general metal business continues satisfactory and the difficulty at present is to obtain supplies. The buying movement is fairly heavy this week. At the Valley furnaces in the United States the production of iron is practically stopped owing to the strike of the blast furnace workers.

PIG IRON.—The pig iron situation in Canada remains as strong as ever. There is still a scarcity and it is impossible to get delivery of large quantities. The demand simply exceeds the supply. Quotations on track, Toronto, are: $21 for No. 1 foundry and $20.50 for No. 2. But 25c. higher is being paid in some instances in order to get the material.

STEEL BOILER PLATES.—There is still a great scarcity of these, and carload lots are being quoted at $1.80 on track, Toronto.

STEEL BEAMS.—Trade is active and prices firm. From stock we quote $2.75, and carlots on track, at $2 per 100 lb.

STEEL RAILS.—The price at which steel rails of Canadian manufacture are being quoted is $36 per ton.

TOOL STEEL.—Prices are steady and trade fair. We quote: "B C" and "Black Diamond," 10 to 11c.; Jessop's, Morton's and Firth's, 14c.; Jonas & Colver's, 8 to 15c.; ditto, "Air Hardening," 30 to 50c.; Chas. Leonard's, 8 to 9c.; Park's "Silver," 12 to 14c.; Park's Special, 15 to 20c.

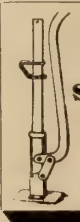
BAR IRON.—The prices continue firm and unchanged. We quote $1.95 to $2.05 base. Extras cut to length while rolling: 2 ft. and over, 10c. per 100 lb.; 1 ft. and under 2 ft., 15c.; under 1 ft., 20c.; over 20 ft. by special agreement, according to length and size.

BLACK SHEETS.—The demand has improved since last week. We quote: Common, $3.15 for 28 gauge, and dead flat, $2.50 for 26 gauge.

CANADA PLATES.—There is more inquiry for Canada plates this week. We quote: All dull, $3; half polished, $3.10, and all bright, $3.75.

GALVANIZED SHEETS. There is a

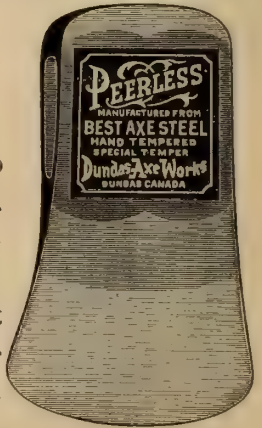
OAKEY'S 'WELLINGTON' KNIFE POLISH
The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.
JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
Wellington Mills, London, England.
Agent:
JOHN FORMAN, 644 Craig Street
MONTREAL


COVERT MFG. CO.
West Troy, N.Y.
Steel Carriage and Wagon Jacks,
Harness Snaps, Chain, Rope and Web Goods, etc.
FOR SALE BY JOBBERS AT MFRS. PRICES.

PRIEST'S CLIPPERS
BALL BEARINGS
Largest Variety Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., U.S.A.

NEWMAN'S PATENT
INVINCIBLE FLOOR SPRINGS
Combine all the qualities desirable in a Door Closer They work silently and effectually, and never get out of order. In use in many of the public buildings throughout Great Britain and the Colonies.
MADE SOLELY BY
W. NEWMAN & SONS, Birmingham.

Oneida Community Goods
HALTERS, COW TIES SNAPS, etc., etc.,
in all sizes and styles. May be had of all jobbers throughout Canada.
Factory—NIAGARA FALLS, ONT.

A RECORD
Out of 6,000 Axes sold under guarantee in 1901 we did not have six returned broken.


Dundas Axe Works, Dundas, Ont.
W. L. Haldimand, Jr., Montreal Agent.

good demand for galvanized sheets, and stocks are light. We quote in case lots: Queen's Head, $1.50 for 28 gauge; American, $4.40 for 29 gauge; Bell brand, $4.20 for 28 gauge.

TIN.—A fair amount of business is being done although the decline in the outside markets has made buyers shy. It is expected that prices will recover. The local market is unchanged. We quote $33 to $34 per 100 lb.

TINPLATES.—We quote: Charcoal at $4.75 to $5 per box, and cokes, $4.25 per box.

COPPER.—Trade in ingot copper has improved. The outside markets, which were stiff last week, are again easier. In sheet copper there is a moderate trade doing. We quote: Ingots, $14 per 100 lb., and sheet copper, $22 to $23.

BRASS.—Business in brass continues fairly active. The discount is 15 per cent.

PIG LEAD.—There has been an improvement in the demand for lead. We quote $3.50 to $3.75 for pig, and $5 for bar lead.

IRON PIPE.—There is a good demand for iron pipe from the West, and a scarcity in some sizes. Prices are the same as they were, and we now quote per 100 ft.: ¼-in., $2.40; ⅜-in., $2.65; ½-in., $2.85; ¾-in., $3.65; 1-in., $5.20; 1¼-in., $7.35; 1½-in., $8.95; 2-in., $12.55; galvanized, 1-in., $7.20. Trade discount 4 per cent.

ZINC SPELTER.—There is a better demand for zinc spelter. We quote $5.50 to $6.00.

ZINC SHEETS.—An improvement is noted in the trade for zinc sheets. We quote: Cask lots, $6 to $6.25, and part casks, $6.25 to $6.50.

SOLDER.—Business continues good. We quote: Half-and-half, guaranteed, 20c.; do. commercial, 19½c.; refined, 19c., and wiping, 18½c.

ANTIMONY.—There is a fair amount of trade being done at unchanged prices. We quote $19.50 per 100 lb.

PAINTS AND OILS.

The prices of raw and boiled linseed oil this week are firm and unchanged. The scarcity in linseed oil has not been relieved and turpentine has advanced 2c. per gal. here. There is expected to be a fair supply of linseed oil on the market the coming week as manufacturers have intimated that they will make some deliveries thereof. Trade continues steady in all lines of paints, oils and dry colors, being sustained by a number of repeat orders that are coming in. In red leads, plaster paris, and white zincs, the trade doing is fair. Castor oil is more active and the demand for gum shellac has improved, but there is still a scarcity of it. There has been an appreciation of 2c. per lb. in paris green. The busy season for that article is now coming on and the demand has been stimulated. We quote as follows:

WHITE LEAD—Ex Toronto, pure white lead, $5.87½; No. 1, $5.50; No. 2, $5.12½; No. 3, $4.75; No. 4, $4.37½ in packages of 25 lb. and upwards; ½c. per lb. extra will be charged for 12½ lb. packages; genuine dry white lead in casks, $5.12½.

RED LEAD—Genuine, in casks of 560 lb., $5 to $5.12½; ditto, in kegs of 100 lb., $5.50; No. 1, in casks of 560 lb., $4; ditto, kegs of 100 lb., $4.50.

LITHARGE—Genuine, 6 to 6½c.



Horse
Shoe
Wood
RASPS

Our celebrated Elastic Tooth Rasp is the result of much study and many years' experimenting, and we are now enabled to supply, from any of our seven factories, Rasps with **SHARP, TOUGH TEETH,** for Horseshoers, Boot and Shoe Manufacturers, Cabinet and Wood Workers.

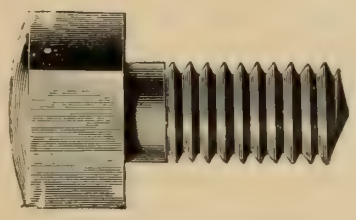
We guarantee the material, workmanship and durability of these goods.

For sale everywhere. May be obtained from prominent hardware merchants.

NICHOLSON'S MAKE

Nicholson File Co.,

DOMINION WORKS.
PORT HOPE, ONT.



THE JOHN MORROW MACHINE SCREW COMPANY, Limited

Manufacturers of

Set and Cap Screws, Special Milled Work, Engine Studs, Etc. Cold Punched Nuts of every variety of finish.

INGERSOLL, ONT.

ORANGE MINERAL—Genuine, 7½ to 8c.

WHITE ZINC—Genuine, French V.M., in asks, $6 to $6 25; Lehigh, in casks, $6.

SHINGLE STAIN—In 5-gal. lots, 60c. to $1.20 per gal.

BENZINE—In barrel lots, 17c. per gal.; less quantities, 25c. per gal.

PARIS WHITE—90c. to $1 per 100 lb.

WHITING—65c. per 100 lb.; Gilders' whiting, 80c.

GUM SHELLAC—In cases, 35c.; in less than cases, 40c. per lb.

LIQUID SHELLAC—Pure orange, in bbls., $2.25 to $2.35; white, $2.35 to $2 45 per gal.; in less quantities, 10c. extra.

PUTTY—Bladders, in bbls., $2 25; bladders, in 100 lb. kegs, $2.40; bulk in bbls., $1.90; bulk, less than bbls. and up to 100 lb., $2.05; bladders, bulk or tins, less than 100 lb., $2 90.

PLASTER PARIS—New Brunswick, $1.90 per bbl.

PUMICE STONE—Powdered, $2.50 per cwt. in bbls., and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in bbls.

LIQUID PAINTS—Pure, $1.20 to $1.40 per gal.; No. 1, $1.10 per gal.

CASTOR OIL—English, in cases, 9½ to 10c. per lb. and 10 to 10½c. for single tins.

LINSEED OIL—Raw, 1 to 2 barrels, 83c.; boiled, 86c.; 3 to 5 barrels, raw, 82c.; boiled, 85c.; 6 to 9 barrels, raw, 80c.; boiled, 83c.; 10 to 60 barrels, raw, 78c.; boiled, 81c., delivered. To Toronto, Hamilton and London, 2c. less.

TURPENTINE—Single barrels, 73c.; 2 to 4 barrels, 72c., delivered. Toronto, Hamilton and London 1c. less. For less quantities than barrels, 5c. per gallon extra will be added, and for 5-gallon packages, 50c., and 10-gallon packages, 80c. will be charged.

GLASS.

Trade is fairly good, but there seems to be a scarcity of sizes amongst some of the jobbers. We quote as follows: Under 26 in., $4.45; 26 to 40 in., $4.65; 41 to 50 in., $5.10; 51 to 60 in., $5.35; 61 to 70 in., $5 75; 71 to 80, $6.25; 81 to 85, $7; 86 to 90, $7.75; Toronto, Hamilton and London. Terms, 4 months, or 3 per cent. 30 days. Discount off pane price list, 33⅓ per cent.

OLD MATERIAL.

The receipts are a little smaller than last week. The demand is easy and prices are unchanged. We quote as follows: Heavy copper and wire, 10¼c. per lb.; light copper, 8c. per lb.; heavy red brass, 10c.; heavy yellow brass, 8 to 8½c.; light brass, 5c.; lead, 2¼c.; scrap zinc, 2¼ to 2½c.; iron, No. 1 wrought, $14 per net ton; No. 2 wrought, $6; machinery cast scrap, $14; stove plate, $10; malleable and steel, $6; old rubbers, 6c. per lb., and country mixed rags, 50c. per 100 lb.

COAL.

The coal situation has developed no new features. No settlement of the labor troubles among the coal miners has been arrived at yet. We quote at international bridges: Grate, $4.75 per gross ton; egg, stove and

nut, $5 per gross ton ; soft coal, $2.50 to $3.25 in bond.

PETROLEUM.

The market continues steady with a fair demand. We quote : Pratt's Astral, 17 to 17½c. in bulk (barrels extra); American water white, 17½ to 18c. in barrels ; Photogene, 17 to 17½c.; Sarnia water white, 16¼ to 17c. in barrels ; Sarnia prime white, 15 to 15½c. in barrels.

MARKET NOTES.

Turpentine has advanced 2c.

Paris green has advanced 2c. per lb.

The prices of dry sheathing and tar sheathing building paper have appreciated 5c. per roll.

CATALOGUES, BOOKLETS, ETC.

A TEXTBOOK FOR MANUFACTURERS AND ACCOUNTANTS.

A TEXTBOOK for the use of manufacturers, merchants, accountants and bookkeepers, by Wilton C. Eddis, F.C.A., and William B. Tindall, A.C.A., is "Manufacturers' Accounts." It is a new work that endeavors to deal with this subject in a practical way. The results of several years' business experience by the authors is given, making this book a valuable aid to business men. To provide a system of cost accounts applicable to all factories, they are separated into two classes, with a different method of accounting for each. Specimen accounts of varied manufactories and approved forms for recording the cost of manufacturing have been worked out and illustrated, the forms and illustrations in many cases occupying a full page. The book is divided into three parts, the first dealing with revenue account, wages, material and factory expenses, the second with cost accounts for boiler and engine manufacturers, contracting engineers, candy and lumber manufacturers, and the third with forms of books and accounts. Besides the regular index, an index to the forms and books used is provided. The retail price of the book is $3, and by remitting that amount to the publishers, Messrs. Eddis & Tyndall, 23 Toronto street, Toronto, the book will be sent to the purchaser.

SUMMER GOODS.

A catalogue of summer goods, wire rope, wheelbarrows, etc., will be issued by The Canadian Hardware Co. in two or three days. Those of the trade who do not receive a copy should drop a card to the firm for one.

CHANGE IN A HARDWARE FIRM.

W. Montgomery has bought out the premises and stock of hardware, tinware and furniture of James W. Fulbrook, Stonewall, Man. The store is a three-storey structure, 50 x 60 ft. This he is thoroughly remodelling and is adding thereto a three-storey addition, 25 x 40 ft. When all these repairs are completed Mr. Montgomery will have a thoroughly first-class and up to-date hardware store.

PERSONAL MENTION.

Mr. Isaac Weganast has severed his connection with The Vokes Hardware Co., Toronto, and has entered The Canadian Furniture Manufacturers, Limited, as buyer.

NOVA SCOTIA MARKETS.

Halifax, June 3, 1902.

THE hardware trade still keeps up the activity which it has shown for some time, and last week was a particularly busy one as six days' work had to be crowded into five on account of Victoria Day—a holiday being observed on Saturday. Every line seems to be fairly general in demand, though there has not been so much doing in fishing supplies as a few weeks ago, as the vessels are all now on the Banks engaged in the season's work.

* * *

Prices are still firm in nearly all lines, with a tendency to advance, and with the general complaint that manufacturers are not able to fill orders promptly. The manufacturers claim that the demand for steel and iron is far beyond the production, and their orders must wait some time to be filled. This state of affairs is bad for the jobbers and retailers, especially those who have adopted the system of smaller and more frequent orders. Two or three short-time orders have to be booked and kept running or they will find themselves short-stocked.

* * *

The wholesalers are having an unusually heavy demand for all kinds of builders' hardware, most lines of which are at an advance from last season's prices. Cement, sheet lead, nails, glass, paint, oils and putty make a large portion of nearly all orders shipped, and there is good promise that the demand will continue much longer this season than usual, as the building boom throughout the Province is increasing rather than diminishing. The bad weather of the last week has somewhat interfered with the shipping of orders.

* * *

The retailer, too, is having a busy season. This is the time for general repairs and cleaning up and brightening things about the house, and the supplying of this falls to the retailer. Sporting goods, such as fishing tackle, and all the requisites for the various athletic clubs, has of late years been more fully recognized as a part of the hardware trade, and more attention has been given to it. An extremely good trade has been done in these lines during the last two or three weeks.

* * *

The linseed oil and turpentine markets, which have been easier for a short time, have now become firm again. A short time ago, just after a strong advance here in linseed oil, there was a reduction of $4 a barrel in the Southern market, which was previously noted. Now that market has become stronger, but there may not be any material change in this market, as the advance was firmly maintained since the original advance. Turpentine is also fluctuating and may advance slightly. The market is now open for quotations on new season's seal oil, and shows an advance of 1 to 1½c. from last season.

The export business of Halifax is a good index to trade in general, and may be of interest. For the nine months from September 1, 1901, the exports amount to $6,920,273, being over half a million more than for the same nine months in the preceding year. The exports for last week were : To Great Britain, $68,684 ; West Indies, $17,657 ; United States, $9.113 ; Newfoundland, $6,432.

R. C. H.

LOOK OUT FOR THIS.

The Canada Hardware Co. have a "snap" for the trade in the shape of a job lot of Magnolia metal, which they are disposing of at an exceptionally low price.

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY, MONTREAL.



PAINTS We manufacture these brands :— "LION," "PEERLESS," "OWL," "RAVEN," also Ready-mixed House and Floor Paints, Roof, Barn, Bridge and Brick Paints, Coach Colors, Varnishes, Japans, etc. Our prices will interest you. Write us.

The Ottawa Paint Works, Ottawa, Ont.

WANTED-- AN AGENT TO SELL

Stocks, Dies and Taps and other Engineers' Hand Tools and Platelayers' Tools to Hardware Factors, Railroad Companies and Mines, on a commission basis. Apply,

Easterbrook, Allcard & CO.,
LIMITED.
SHEFFIELD, ENGLAND.

Damaged Stock is a Loss

to Hardware Merchants unless it can be made as good as new.

Just look over your stock

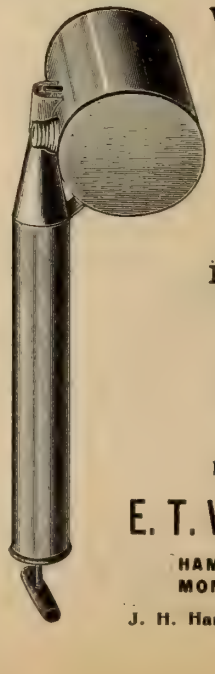
and see how much you have laid aside that is unsalable.

It needs replating, repolishing

or relaquering. Make up a list and write us. We will give you a price that will pay you to have it done.

We plate in Gold, Silver, Nickle, Copper and Brass, and make goods like new.

MOORE & ORR
81 Adelaide St. W., - - TORONTO.



WRIGHT'S Insect Sprayers

PLAIN TIN,
LACQUERED,
ALL BRASS.

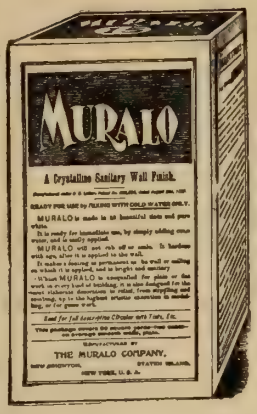
"BEST ON EARTH."

Manufactured by

E. T. WRIGHT & CO.
HAMILTON, ONT., and MONTREAL, QUE.

J. H. Hanson, Agent, Montreal.

MURALO



FOR THE WALL

A COLD WATER WALL TINT

Nicely put up in 5-lb. packages in a large variety of tints, with special color cards and advertising matter to assist the sale.

A MONEY-MAKING WALL TINT

MURALO is made by the largest wall-tint makers in the world. It outstrips every other cold water wall tint, because it is made finer, is purer in tone, easier to work and goes farther. It is easy to apply, and can be sold to farmers, and mechanics or householders as well as painters. Ask for prices, color cards and terms.

Agents:

A. RAMSAY & SON, - - - **MONTREAL**
J. H. ASHDOWN, - - - - **WINNIPEG**
McLENNAN, McFEELY & CO., - - **VANCOUVER**



THE "NEW GEM" SAFETY RAZOR.

Shaves the STRONGEST as well as the MILDEST BEARDS—utterly impossible to cut the face. It is the Simplest and Surest shaving device ever invented. The AUTOMATIC STROPPING MACHINE KEEPS THE BLADES IN KEEN CUTTING ORDER—a novice gets as good results as an expert. Sold by leading CUTLERY and JEWELERY dealers all over the civilized world, or mailed post-paid by the makers at the following prices:

Razor, in Tin Box	$2.00
Razor, with Two Blades, in Handsome Morocco Case	3.50
Automatic Stropping Machine, with Strop	2.00

When making your purchase be SURE and take none without the above "Trade Mark" and "Guarantee Ticket." It permits you to have the Blades REHONED or RESHARPENED FREE OF CHARGE. Catalogue Mailed Free from the following distributing agents: **Montreal**—Caverhill, Learmont & Co.; **Quebec**—Chinic Hardware Co.; **Berlin**—Jno. Fennell & Son; **Hamilton**—Wood, Vallance & Co.; **St. John, N.B.**—Kerr & Robertson; **Halifax, N.S.**—A. M. Bell & Co.; **Winnipeg, Man.**—J. H. Ashdown Hardware Co.; **Vancouver, B.C.**—McLennan, McFeely & Co.; **Victoria, B.C.**—M. & H. A. Fo:; or direct from the makers, **The Gem Cutlery Co.**: Works—34 Reade St., **N.Y.C.**; 9 London St., E.C., **London**; 9 Pickhuben St., **Hamburg, Germany.**

Dealers can be supplied at a large discount from the above firms.

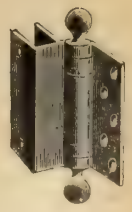
More OXFORD SPRING HINGES



In use to-day than ever before! Why? Because their worth has been proven by long years of service.

MADE

Single and Double Acting
WITH OR WITHOUT BLANKS
To close or throw door open
For Lavatories.



Perfectly designed and finished. Prices assist sales.

—WRITE—

LAMPLOUGH & McNAUGHTON, Canadian Sales Agents, 19 De Bresoles St., MONTREAL, QUE.

Sole Manufacturers:

THE COLUMBIAN HARDWARE COMPANY

CLEVELAND, O.

HEATING AND PLUMBING

BUILDING PERMITS IN TORONTO.

THIS season is noted for the unparalleled building operations that are at present going on in Toronto. This week building permits have been granted as follows: Canadian Express Company, for a one-storey and loft brick stable on the northwest corner of Front and Peter streets, for $25,000; Massey-Harris Co., for a one-storey brick and iron storage building, near Strachan avenue, on the south side of King street, for $1,400; J. A. McBain, for a two-storey summer dwelling on 120 Kippendavie avenue, for $800; Sisters of St. Joseph's Convent, for the erection of a four-storey brick addition to convent on the corner of St. Alban's street and Surrey Place, for $20,000; Albert Dale, for a pair of semi-detached two-storey brick dwellings at 165 and 167 Winchester street, for $4,000; Dominion Government, for alterations to east gable of armouries on University avenue, for $20,000; Ecclesiastical Corporation, for a two-storey and attic brick dwelling for priests at 438 King street east, for $3,000; E. L. McArthur, for a two-storey and attic brick residence near Elm avenue on the east side of Dunbar Road, for $3,000; E. L. McArthur, for a two-storey brick residence, near Elm avenue, on the east side of Dunbar Road, for $3,000; Standard Chemical Co., for a one-storey iron charcoal shed at the foot of John street, for $250; T. L. Madill, for a two-storey brick dwelling at 430 Summerhill avenue, for $2,300; Toronto Mortgage Company, for repairs, after a fire, to office at 28 and 30 Toronto street, for $8,000; A. Rowe, for a pair of two-storey brick residences, on stone foundation, on the south side of Bloor street west, near Bartlett avenue, for $3,000; Alfred Duncan, for a two-storey and attic brick dwelling, near Broadview avenue, on the west side of Simpson avenue, for $2,500; Isaac McHenry, for a pair of two-storey brick dwellings at 222 and 224 Gladstone avenue, for $3,500; S. J. Graydon, for a pair of two-storey brick dwellings at 109 and 111 Spadina Road, for $4,500; W. J. Foy, for a two storey brick and stone dwelling, near Rose street, on Strachan avenue, for $2,400; The Wm. Davies Co., Limited, one-storey brick and stone store and open brick shed at 171 Avenue Road, for $4 000; Bacon Estate, for three pairs of two-storey brick dwellings at 36 to 50 Elgin avenue, for $24,000; C. Davies, for a two-storey summer dwelling near Queen street on the east side of Woodbine avenue, for $700; R. B. Brown, for a two-storey brick dwelling at 1172 College street, for $1,800; Enoch Simmons, for a two-storey brick residence, near Wells street, on the east side of Albany avenue, for $1,100; John Robertson, for a two-storey brick dwelling, near Hogarth avenue, at 655 Broadview avenue, for $1,500; W. Pridisfin, for a pair of two-storey brick dwellings on the east side of Dufferin street, near Dundas street, for $2,500; Metallic Roofing Co., for a two-storey brick addition to factory on the northeast corner of King and Dufferin streets, for $3,000; Salvation Army, for an attached two storey and attic brick dwelling on the southeast corner of Arthur and Bellwoods avenue for $6,000; F. W. Horn, for alterations to store fronts at 94 and 96 King street west, for $2,000; Eleanor Wood, for a two-storey brick dwelling on the north side of College street, near Havelock street, for $2,500; Jacob Singer, for three two-storey brick dwellings, near Hanover street, on the east side of Shaw street, for $5,500; Dominion Express Co., for a one-storey addition near the Union Station, on Simcoe street, for $5,000; T. Gingros, for two two-storey roughcast dwellings on Manning avenue, north of Arthur street, for $1,200; Dominion Postal Department, for a two-storey brick and stone post office on the south side of Queen street, between Abell and Lisgar streets, for $2,500; J. B. Andrews, for a two-storey brick residence on King street, at the corner of Jamieson avenue, for $5,000; Walter Stubbing, for a two-storey brick dwelling on the south side of Grace street, near College street, for $1,600; Thomas Redford, for an addition to dwelling at 94 Yarmouth Road, for $150; Mr. Ward, for a two-storey brick dwelling, near Queen street, on the west side of Kippendavie avenue, for $2,000; McKeown & Wilson, for underpinning under dwelling at 257 Sautree street, for $240.

BUILDING IN BERLIN.

At the present time the town of Berlin is in the centre of extensive building operations. Many factories and other structures are going up, among which may be noted a sugar refinery for the Ontario Beet Sugar Co., Limited, for $600,000; a new public library building, for $17,500; a new Roman Catholic Cathedral for St. Mary's parish; a new Mennonite Church, for $3,000; an addition to the factory of J. Kaufman, for $5,000; an addition to the tannery of M. Erl & Co., for $2,500; a new pavilion at Victoria Park, for $4,500; and a number of new residences amounting to about $75,000. There are also additions and improvements to a number of churches, amounting in all to $12,000.

MONTREAL POWER CO.'S YEAR.

The Montreal Light, Heat and Power Co., incorporated on March 28, 1901, acquired the whole of the capital stock of The Royal Electric Co., The Montreal and St. Lawrence Light and Power Co., The Imperial Electric Light Co., and practically the whole of The Montreal Gas Co. Their annual statement gives earnings of about 5 per cent. on capital stock. An issue of $7,500,000 of first mortgage bonds was authorized at a meeting of the shareholders in January. Their balance sheet shows:

Assets	$18,162,188
Current assets	1,928,915
Total	$20,115 917
Liabilities (including capital stock)	$19,477,800
Current liabilities	795.644
Surplus	141,753

ALTERING THEIR SHOWROOMS.

The Keith & Fitzsimmons Co., Limited, plumbers, etc., Toronto, are altering their premises at 111 King street west. They are overhauling their showrooms and for display purposes will arrange four or five separate bathrooms fitted up with the most modern and up-to-date plumbing requisites. Their showrooms, when the alterations are completed, will be very fine.

SOME BUILDING NOTES.

A new Presbyterian Church is in course of erection at Haldimand, Ont.

A new rectory is being built in connection with St. James' Church, Condie, Assinboia.

A large brick block of three storeys, costing $15,000, is being built at Vancouver, B.C., by the Chinese Reform Association.

At Winnipeg tenders are being advertised for the erection of an addition to the warehouse of G. D. Wood & Co.; a residence for E. M. Page, and a store for Colecleugh & Co.

PLUMBING AND HEATING CONTRACTS.

Aaron Child & Son, Gravenhurst, Ont., have the contract for eavetroughing the Royal Muskoka Hotel at Lake Rosseau, Muskoka.

Drummond & Stinson, plumbers, Toronto, have dissolved; Henry Drummond retires.

NOW,



RAMSAYS EXTERIOR
WHITE LEAD

pays a painter to use it, because it goes farther than pure lead or any other lead. And besides that, it works easier, it lasts longer, is whiter and remains whiter. It will not corrode and chalk off like pure and other leads, and in every way gives a cleaner, better job. It is **RAMSAYS EXTERIOR** that does this, and not the imitations. If it pays the painter, it pays the dealer. SEND FOR OUR BOOKLETS AND PRICES.

A. RAMSAY & SON
MONTREAL

EST'D 1842
PAINT MAKERS

Booth Copper Co., Limited

Cuts Copper and Brass

SHEETS—TUBES—RODS

to any size.

FULL STOCK ALWAYS ON HAND.
PROMPT SHIPMENTS.

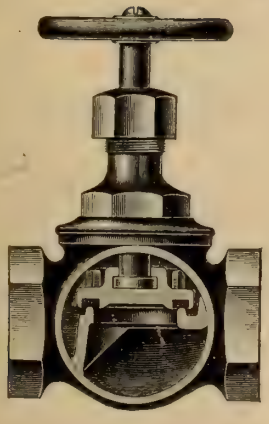
The BOOTH COPPER CO., Limited

119-123 Queen St. East,

TORONTO.

"History repeats itself"

So we are at liberty to again call your attention to



The FAIRBANKS renewable Asbestos DISC VALVES

Do not take cheap substitutes of the "just as good" class.

This is the original Renewable Disc, with all the up-to-date improvements.

SEND FOR OUR CATALOGUE AND PRICES.

The Fairbanks Company

747 and 749 Craig Street MONTREAL.

TRADE IN COUNTRIES OTHER THAN OUR OWN.

COPPER IN LONDON.

REVIEWING the copper situation The London Ironmonger says in its issue of May 24: "In spite of statistical evidence to the contrary, the belief is generally held that the amalgamated company has cleared out its 100,000 tons accumulation in three months or so, and the 'Trust' encourages this by exhibiting a coyness regarding new business and a disinclination promptly to fulfill old contracts, sufficient in themselves to arouse distrust in a market having a memory. As we pointed out last week, if the Amalgamated party has liquidated its stock it has got rid of 123,000 tons of copper to domestic consumers and others during three months. There is no doubt that the stock has been reduced, but we decline to believe that the entire holding has thus disappeared. It is likely enough that some large blocks may be held speculatively, but even if this be the case, the metal so held exists—it is not absorbed—and it may come upon the market at any moment.

PIG IRON SOLD AHEAD.

A despatch from Birmingham, Ala., says: "The statement is made in this district that pig iron manufacturers have received inquiries for iron to be delivered in 1903, but that they will make no lower price than the prevailing figures, $16 for No. 2 foundry. This indicates that the furnacemen anticipate as strong a market as prevails now. There is very little iron to be sold now on account of the furnaces being sold ahead for almost the entire year. The present shipments are equal to the production, a most healthy condition."

IMPLEMENT MAKERS ACTIVE BUYERS.

A significant feature of the market is that the implement makers, who in March bought their bar requirements for the year beginning in July, have since then been almost equally active buyers in other lines of metal needs for the coming year and they may now be said to have covered most of their wants during that extended period. The effect of this large buying is exemplified in the condition of the mills producing merchant steel. Some of the largest have practically disposed of their entire output for the next 13 months, and accumulated business that has rarely if ever been equalled heretofore in that line.—Iron and Steel, Chicago, May 31.

PIG IRON IN ENGLAND.

The recent improvement recorded in the pig iron market has been, if anything, more pronounced this week, though, of course, the holidays have had a rather adverse effect. The prices of Cleveland warrants, indeed, have further advanced, and a price has been realized which not only exceeds anything reported this year, but also is higher than the best of last year; prices equal to those of the current week have not been realized since the latter part of 1900. This degree of strength has also pervaded the Scotch markets, as the operations continue to be greatly dominated by the position in the United States, where the scarcity of raw material for prompt delivery has been reported greater than ever. From the other producing centres similar strong reports come to hand, specially in Staffordshire, where it is considered highly probable that before next quarter day smelters will be able to command higher prices. While exaggerated reports have lately been current respecting American purchases of pig iron in this country, it is understood that further quantities have been contracted for. The following is a statement of the present stocks of pig iron in public stores:—

Public stores stocks, in tons:	Wednesday.
Connal's at Glasgow	52 724
Connal's at Middlesbrough	139,078
Connal's at Middlesbrough, hematite	300
West Coast hematite	....
N.E.R. Stores, Middlesbrough	....

Iron and Coal Trades' Review, May 23.

BRITISH TINPLATE TRADE.

Although the holidays have interfered with business during the past week, the market has been active, and a steady business all round is reported. Raw materials keep firm, and prices for the finished article are well maintained. Common 14 by 20, 112 sheets, 108 lb. Bessemer cokes have been freely done at 13s. 4½d. per box f.o.b. Wales, and in some instances a shade under this figure has been accepted. Makers' quotations, however, run generally 13s. 6d. to 14s. per box, with 1½d. per box extra for Siemens' steel.—Iron and Coal Trades' Review, May 23.

NEW YORK METAL MARKET.

COPPER.—The copper market was weak under pressure to sell and buyers still showing indifference. A lot of 30,000 lb. of spot Lake sold at 12.40c., but that was an exceptional price, the inside asking price at the close being 12.52½c. for any delivery from spot to September, with 12.25c. bid. Of electrolytic, 100,000 lb. sold for June delivery at 12.20c., the closing quotation on that grade being 12c. bid and 12.25c. asked for spot to August delivery. Casting was quoted at the same figures as electrolytic. The closing quotations on standard were 11.65 @ 11.87½c. There was a sharp decline in the London market this morning on free selling, particularly of spot copper. The market closed quiet without recovery, the quotations being 10s. below those of last night.

PIG TIN.—Continued dullness in connection with depressing cables from London had a weakening influence on this market, which closed at a decline of about 25 points, the quotation on spot being 29.50c. bid and 29.75c. asked, and on June 29 @ 29.50c. There were sellers of July delivery at 29c. and of August at 28.75c. There was a break of £1 in spot tin in London before noon and a further decline of £1 15s. later. Futures declined altogether £3 2s. 6d., and the market, as a whole, was weak at the close. The depression there is attributed to the withdrawal of support from this side.

PIG LEAD.—The market continues to decline, to-day's quotation on spot Spanish being 1s. 3d. below that of yesterday. In this market business is on a moderate scale, but prices are maintained at 4.12½c. for lots of 50 tons or more. St. Louis was reported firm at 3.95 @ 3.97½c. bid.

SPELTER.—There was no change in the situation, the market remaining firm under very light supplies. The nominal spot quotations were 4.75 @ 4.87½c. St. Louis was firm, with 4.65c. nominally quoted. London was unchanged.

REGULUS ANTIMONY.—Trading was on a somewhat contracted scale, but prices were maintained at 10¼c. for Cookson's, 8 to 8¼c. for Hallett's, and 7½ to 8c. for other brands.

QUICKSILVER.—There continues a very good demand and the market is firm at $48 for 50 to 100-flask lots.

NICKEL.—The demand is moderate and prices are unchanged on the basis of 50c. in one-ton lots.

OLD METALS.—Trade continued light and the market was easy.

IRON AND STEEL.—Latest advices are to the effect that the strike of furnace workers in the West is extending and threatens to seriously cripple operations in the steel mills of Ohio and Pittsburg district. The situation in foundry iron is unchanged, except that some of the Southern furnaces which have been booking orders for late 1902 delivery have withdrawn from the market. Philadelphia reports that the scarcity of iron increases daily so that new prices are made in almost every transaction. The buying is chiefly for shipment within the next 60 or 90 days, too much uncertainty existing to admit of long contracts. Early deliveries bring $21.50 @ $22.50 for No. 2 foundry. A good deal of foreign iron is being used in that district at prices varying from $20.50 to $21 for Middlesboro and $1 @ $2 per ton more for Scotch brands. Prices, however, are too erratic to be quoted with exactness. In finished materials, continued activity, with no abatement of scarcity is noted in structural steel. Bars and plates, while not quotably changed, command a substantial premium when wanted for early delivery.

TINPLATE.—The situation was without fresh feature. About the only business done was in the way of regular deliveries on existing contracts. Prices were unchanged.—N. Y. Journal of Commerce.

MOTHS IN YOUR BRUSHES.

Hardware and general store merchants should look over their stock of brushes of all kinds and most particularly feather dusters at this season of the year. The moth, or fly, has a yellowish tinge all over its body and wings at this time of the year. It lays its eggs now and these eggs turn into worms which do all the damage, eating brushes away very rapidly if left unmolested. The following articles will answer as a preventative: Tarred paper cut into small pieces and placed into each box, or camphor balls, cedar shavings, yellow insect powder or flake camphor. These are unrivalled as a destroyer to germs. Be sure and place some in each package or box of black bristle brushes above or below the counters. Do not blame the manufacturer if you have moths in your stock of brushes. This advice is given to the trade by The United Factories, Limited Toronto, the largest manufacturers of brushes on this continent, and should be acted upon immediately.

McArthur, Corneille & Co.

MONTREAL

Manufacturers and Importers of . . .

White Lead,
Oils and Colors,
Prepared Paints,
Window Glass,
Varnishes, etc.

Glue and Gelatine

In extensive assortment, to suit all requirements.

WILL BE PLEASED TO SUBMIT SAMPLES AND PRICES.

SELLING AGENTS IN CANADA

For the GENUINE
Imperial French Green
of JOHN LUCAS & CO., PHILADELPHIA.

And CELEBRATED
ENGLISH VARNISHES
of CHAS. TURNER & SON, LONDON.

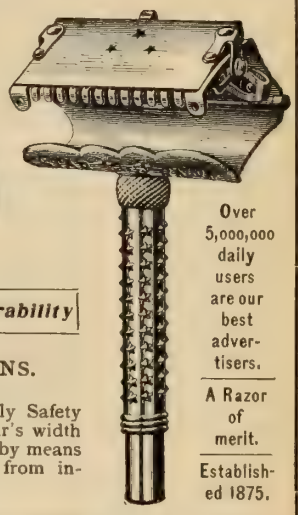
Please mention HARDWARE AND METAL when writing.



Star Safety Razor.

The original and best Safety.

Shaves Clean Saves Time Never Pulls



A Marvel of Simplicity and Durability

BEWARE OF IMITATIONS.

The Three Star Safety is the only Safety Razor that can be adjusted to a hair's width by anybody to suit any face or beard by means of adjusting screws, fully protected from infringers by the U.S. Circuit Court.

Over 5,000,000 daily users are our best advertisers.

A Razor of merit.

Established 1875.

For sale by all leading dealers throughout Canada.
Rock bottom prices upon application to

KAMPFE BROS.,

INVENTORS AND MANUFACTURERS,

8 Reade Street - NEW YORK CITY

ESTABLISHED 1860. INCORPORATED 1895.

Here's Something New FOR . . . SUMMER COOKING

THE HANDIEST, CLEANEST, SAFEST, COOLEST AND MOST ECONOMICAL SUMMER COOK STOVE EVER SOLD.

The "STANDARD" Wickless Blue Flame Oil Stove

(Burns Ordinary Kerosene)



combines the efficiency of the coal range and the convenience and comfort of the gas range at a fraction of the expense of either. An absolutely safe and clean stove ; will not smoke or get greasy ; can't explode. Can be moved anywhere

Made in large and small sizes. Write for catalogue.

THE THOS. DAVIDSON MFG. CO., Limited

General Agents, MONTREAL, CANADA.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

JOSEPH ETHIER, tinsmith, Weymouth Bridge, N.S., is offering to compromise at 20 per cent., secured, 6 and 12 months.

Nap. J. Bertrand, saddler, Coaticook, Que., has assigned.

The creditors of Luc Ducharme, general merchant, Valmont, Que., have held a meeting.

L. H. Timmins & Bros., general merchants, Mattawa, Ont., are offering to compromise.

Miss S. Smith, general merchant and hotelkeeper, Metapedia, Que., is offering to compromise.

Nathaniel Ashton, general merchant, Ecum Secum, N.S., has assigned and his creditors held a meeting on June 2.

The meeting of the creditors of C. T. Bailey & Co., general merchants, Qu'Appelle, N.W.T., has been postponed until July 1.

PARTNERSHIPS FORMED AND DISSOLVED.

The Ontario Rag and Metal Co., Kingston, Ont., have dissolved.

Zozo Co. stove polish manufacturers, Montreal, have dissolved.

Oscar Amiot & Frere, wood and coal merchants, Montreal, have dissolved.

Dyke, Kirkwood & Co., general merchants, Crofton, B.C., have dissolved.

McCrimmon & Co., general merchants, Williamstown, Ont., have dissolved. Donald McCrimmon continues.

Roderick McDonald, general merchant, Louisburg, N.S., admitted J. K. McLean, on June 1, as partner, and they have assumed the style of McDonald & McLean.

SALES MADE AND PENDING.

Chas. Post, blacksmith, Nairn, Ont., is advertising his business for sale.

J. G. Hutchinson, general merchant, Steveston, B.C., has sold out.

R. Maynard, general merchant, Fairfield Plain, Ont., is advertising his business for sale.

James MacArthur, hardware merchant and grocer, Prince Albert, N.W.T., is advertising his business for sale by tender.

The business of the estate of E. F. Kraft, harnessmaker and dealer in trunks, Hamilton, Ont., is advertised for sale by the administrator.

CHANGES.

The National Coal and Wood Co., Montreal, has registered.

S. A. Doupe, general merchant, Lucan, Ont., has sold out to J. S. Gilfillan.

Mrs. E. Marsh, general merchant, Riverville, Man., is succeeded by A. Serkon.

H. & N. Sigouin & Cie, tinsmiths, Montreal, have registered.

J. E. Dupuis & Co., sawmiller, etc., Hereford, Que., have registered.

Brown & Mitchell, hardware merchants, Griswold, Man., are out of business.

P. A. Flaherty, blacksmith, Comber, Ont., has sold out to W. H. Dignan.

Cockling & Escott, blacksmiths, Nanaimo, B.C., have sold out to Escott & Porteous.

Edward Gallanough, general merchant, Thornhill, Ont., has sold out to John Grice.

T. T. Fortune & Son, general merchants, Sydney, N. S., are adding boots and shoes.

A. Campbell & Co., wood and coal merchants, St. Cunegonde, Que., have registered.

T. L. Boyd, lumber merchant, Eastman's Corners, Ont., has added a general store and hotel.

The Dominion Supply Co., Limited, Ottawa, have succeeded The Guyon Pressed Brick and Tile Co.

The stock of James Vair (late) hardware merchant, Kamloops, B.C., has been sold to James P. Dill.

Abercrombie & McEwen, agricultural implement agents, Carlyle, N.W.T., are out of business.

J. A. Levis & Co., general merchant, Sturgeon Falls, Ont., are giving up business.

Smith & McEwan, general merchants, Anaconda, B. C., are succeeded by L. A. Smith.

Silcox & Smith, general merchants, Springfield, Ont., have sold out to D. W. Henry.

James Webster, flour and feed merchant, Dundas, Ont., has sold out to David Auckland.

S. H. Pyle, general merchant, etc., Roylston, N. S., is succeeded in the store business by his son, Charles S. Pyle.

R. H. Benson & Co., general merchants, Markdale & Dundalk, Ont., have sold out their Dundalk branch to A. A. Parks.

J. A. Rosseau has registered for J. A. Rosseau Manufacturing Co., manufacturers of matches, St. Anne de la Perade, Que.

The stock of J. N. Jutras, general merchant, St. Prosper, Que., has been sold at 62½c. on the dollar to J. Gagnon, St. George.

The stock of F. Provencal, general merchant, St. Gervais (Bellechasse), Que., has been sold at 62c. on the dollar to F. Chouinard, St. Pamphille.

FIRES.

Silcox & Smith, dry goods merchants and grocers, Springfield, Ont., have lost by fire.

The planing mill of Haley & Son, St. Stephen, N.B., was damaged by fire. It is insured.

Wm. Stevely & Son, stove and tinware merchants, London, Ont., were burned out. Insured.

Tackaberry & Co., harnessmakers, of London, Ont., have sustained small loss by fire. Loss is made up by insurance.

DEATHS.

William Brodie, general merchant, Dalhousie Station, Que., is dead.

J. W. Munroe, contractor and lumber merchant, Pembroke, Ont., is dead.

E. Crawford, sewing machine dealer, etc., St. John, N.B., is dead.

LIQUID PAINTS

FOR—

BARNS
ROOFS
CHAIRS
FLOORS
HOUSES
FENCES
WAGONS
BUGGIES
VERANDAHS
IMPLEMENTS

—EVERYTHING

The well-known brands are reliable if they bear the label of . . .



THE CANADA PAINT COMPANY LIMITED

Expert Paint and Varnish Makers to the Hardware and Jobbing Trade.

Persons addressing advertisers will kindly mention having seen their advertisement in The Canadian Hardware and Metal Merchant.

Canadian Wringer Co.

Manufacturers of the following

CLOTHES WRINGERS

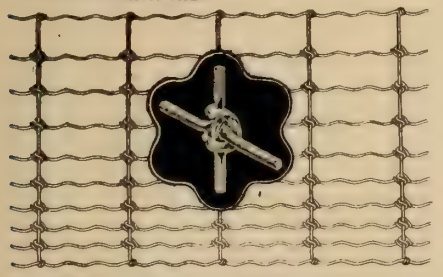
Queen,	Eureka,
Royal Canadian,	New Eureka,
New Metropolitan,	Stone,
New Lightning,	Jubilee Ball Bearing
	Etc., Etc.

All our Rolls are of Solid White Rubber and Vulcanized to Shaft. . . . Send for Catalogue and Discounts.

16 SHEPPARD STREET, TORONTO.

IDEAL WOVEN WIRE FENCING

Complete in the roll. A heavy one-piece stay that will not buckle up and cannot slip. Note the lock. No. 9 hard spring wire throughout. A fence that will last.



The McGregor, Banwell Fence Co., Limited
WINDSOR, ONT.
COILED SPRING AND OTHER FENCE WIRES.

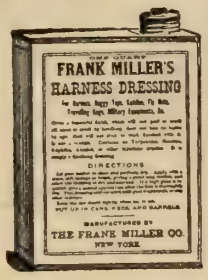
FRANK MILLER'S HARNESS PREPARATIONS.

FRANK MILLER'S

HARNESS DRESSING

Recognized as
"THE STANDARD."

Produces a brilliant jet-black gloss which will not peel or smut and to which dirt will not stick.





Frank Miller's
Harness Soap

Unrivaled for cleaning and softening Harness
Put up in cakes, pans, boxes and tubs.

FRANK MILLER'S

Harness Oil.

Preserves and softens the leather, thus adding life.

The highest quality of oil on the market.



Windsor Mills

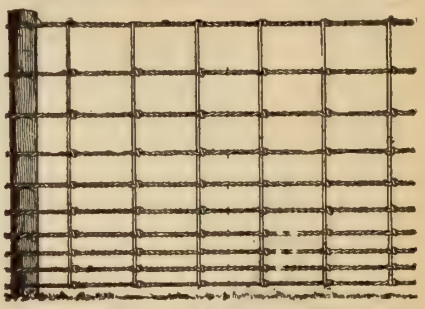
is the favorite writing paper of business and professional men who resolve to use a good writing paper. This paper has a smooth writing surface and of good quality. It is important that every business man should see that he has good quality paper for his correspondence.

CANADA PAPER CO., Limited
TORONTO and MONTREAL.

The Oshawa Wire Fence Co.

OSHAWA, ONT. Limited

Manufacturers of . . .
Woven Wire Fencing, Gates, Etc.
Also Dealers in Galvanized Fence Wire.

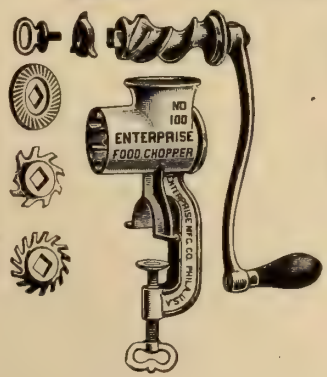


Agents wanted Send for catalogue and prices.

ENTERPRISE on an article is a Guarantee of QUALITY

ENTERPRISE

FOOD CHOPPERS



Four Knives with each Machine

No. 100, *chops 2 lbs. per minute,* **$1.50**
No. 300, *chops 3 lbs. per minute,* **$2.25**

Sell every Day in Year

GUARANTEED TO CHOP RAW MEAT

Illustrated Catalogue FREE *Order through your Jobber*

Bone, Shell & Corn Mill



No. 750, $7.50

Meat Juice Extractor



No. 21, $2.50

Cherry Stoners

5 Sizes & Styles



No. 1, $7.50 doz.

Rapid Grinding & Pulverizing Mills

45 Sizes & Styles for Hand & Power, $1.25 to 300.00



No. 2½, $4.75

New York Branch, 10 Warren Street

The Enterprise Mfg. Co. of Pa., Philadelphia, Pa.

San Francisco Branch 105 Front Street

COLLAPSE OF HARDWARE CONSOLIDATION.

THE combination which was being formed by the leading wholesale hardware houses of the United States has collapsed. This was quite unexpected as it was understood that the undertaking would be successful. Mr. E. C. Simmons, of The Simmons Hardware Co., who was designed for the presidency of the organization, is out with the following letter in regard to the matter :

" While I did not originate the scheme I have no disposition whatever to shirk any responsibility or refrain from giving you a statement of what led up to the disruption of the proposed plan for the hardware merger.

" When I met with the other gentlemen in New York City about the last of March, we had the names of some 56 firms given us as those who were ready and willing to go into this combination. The feeling was also expressed confidently that many others would be glad to come in as soon as they knew that the merger was an assured fact, and from what others said I became sanguine of that myself. For that reason we assented to the proposition and I personally agreed to take the position of president of the new organization. Since that time, however, all efforts to induce other leading houses to join have been unsuccessful. Summing up the situation I saw that we did not have any fair proportion of the distributing power of the country, and unless we did have that I felt convinced that the scheme would not work out to a financial success. A consultation with Messrs. Marshall, of Duluth, and Hill, of Minneapolis, led to the conviction that they were impressed just as I was about it, and therefore agreed that it was our duty to state that fact to those who were going to put up the money and who were promoting the deal and to do so before any money had passed—to do it before it was too late to recover what might have been a serious mistake.

" Therefore, as a matter of conscientious duty our convictions on this subject were laid before those who had been instrumental in getting it up and who were going to do the underwriting. We did not withdraw from the scheme ; we did not ask anything but what had already been outlined. There was no issue between us and the promoters whatever, nor was the compensation that I was to receive as president of the company ever discussed for a moment. We performed a plain and simple duty when we told the promoters and the underwriters that after summing up the situation most carefully we did not think the chances were favorable for financial success, and as soon as we told them that they called the deal off, just as we felt sure they would do, so that while the three houses named—viz., Marshall-Wells Hardware Co., Janney, Semple, Hill & Co., and The Simmons Hardware Co.—were instrumental in terminating this matter, they did not withdraw from it ; at the same time they did state their convictions and that statement caused its abandonment.

" I still believe that a proper union of the large distributing forces of this country will correct a great many evils that have crept into the trade, but unless the scheme is properly constructed it cannot produce financial success, and therefore should never be entered into. Could we have gotten several of the other large houses into the organization I believe we could have influenced the manufacturers in ways that would have redounded to their benefit as well as to the benefit of the retail hardware dealer, and at the same time serve the best interests of the jobber. We had a great many other improvements and economies in contemplation which it is entirely unnecessary to mention here, but suffice it to say that it was impracticable to attempt the introduction of those unless we had at least two-thirds of three-fourths of the distributing power of this country in our organization.

" My own financial interests or the interests of The Simmons Hardware Company were not for a moment considered—the simple question before me was what was my duty in the premises, and it seemed perfectly and absolutely clear that my duty led in the direction of telling these gentlemen who were the financial end of the scheme that as it was developed it was not a sound proposition."

CLEANING UP RUSTED HARDWARE.

What to do with stock that is shop-worn or damaged and which constantly accumulates in spite of the very greatest care, has caused no end of worry to the careful merchant. How many hundreds and even thousands of dollars worth of accumulated soiled, tarnished, and scratched or otherwise damaged goods can be found in every hardware stock. Moore & Orr, of Toronto, have made a specialty of fixing up this class of damaged, rusted, soiled, or tarnished hardware stock. They are well equipped to do the work and can replate, repolish and generally restore damaged stock and tools ; also bicycle parts, and, in fact, any metal goods, to their original brightness at reasonable charges.

Hardware merchants and manufacturers who have new or second-hand goods needing replating or repolishing, will do well to write Moore & Orr, 81 Adelaide street west, Toronto.

CRUCIBLE STEEL COMPANY.

Mr. John J. Barry, who returned from a visit to New York a few days ago, has been appointed manager in the Maritime Provinces for The Crucible Steel Company of America, one of the biggest manufacturing concerns in the United States. The headquarters for these Provinces will be in St. John. This is the first time the company has opened a branch here, and the prospects are that a good business will be done under the effective management of Mr. Barry.

APOLLO BEST BLOOM
GALVANIZED IRON

Galvanized iron ought to be soft flat uniform true to gauge.

Apollo is guaranteed to be so.

American Sheet Steel Company, New York

Representatives for Canada
B. & S. H. Thompson & Company
53 Sulpice Street
Montreal

SOMETHING NEW

Caldwell Lightning Auger Bits.



Patented May 21, 1901.

This bit will bore two holes in less time than it takes to bore one with any other bit.

AGENTS:

Caverhill, Learmont & Co., - - - Montreal.
Wood, Vallance & Co., - - - - - Hamilton.
Geo. D. Wood & Co., - - - - Winnipeg.

CURRENT MARKET QUOTATIONS

June 6, 1902.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag and Straits—		
56 and 28 lb. ingots, 100 lb.	33 00	34 00

Tinplates.

Charcoal Plates—Bright

	Per box
M.L.S. equal to Bradley	
I.C., usual sizes	$6 75
I.X., "	8 25
I.X.X., "	9 75
Famous, equal to Bradley—	
I.C.	6 75
I.X	8 25
I.X.X	9 75
Raven & Vulture Grades—	
I.C., usual sizes	5 00
I.X., "	6 00
I.X.X "	7 00
I.XXX., "	8 00
D.C., 12½x17	4 50
D.X	5 25
D.X.X	6 00

Coke Plates—Bright

Bessemer Steel—	
I.C., usual sizes	4 25
I.C., special sizes, base	4 75
20 x 28	9 00

Charcoal Plates—Terne

Dean or J. G. Grade—	
I.C., 20x28, 112 sheets	8 50
I.X., Terne Tin	10 50

Charcoal Tin Boiler Plates

	Per lb.
Cookley Grade—	
X X., 14x56, 50 sheet bxs " 14x60, " " 14x65, "	0 06½

Tinned Sheets

72x30 up to 24 gauge	8 00
" 26 "	8 50

Iron and Steel.

Common Bar, per 100 lbs	1 95	2 05
Refined " "		2 45
Horse Shoe Iron "		2 40
Hoop steel, 1½ to 3 in. base,		2 90
Sleigh Shoe Steel " base		2 10
Tire Steel	2 30	2 50
Reeled Machinery		3 00
Toe Calk Steel	2 85	3 00
T. Firth & Co's tool steel, per lb	0 12½	0 13
Jessop's tool Steel		0 14
Morton's tool steel	C 12½	0 13
Black Diamond and "B.C," tool steel	0 10	0 11
Chas. Leonard's tool steel	0 08	0 09
Park's "silver" tool steel	0 12	0 14
" "special"	0 15	0 21
Jones & Colver's tool steel	0 08	0 15
" "air hardening"	0 30	0 50
Drill Steel, per lb	0 08	0 10

Boiler Tubes.

	Per foot.
1½, 1¾, and 4 inch	0 1[illegible]
2½ in.	0 17½
3 "	0 14

Steel Boiler Plate.

¼ inch	2 50	2 60
3-16 inch	2 60	2 70
⅜ inch and thicker	2 50	2 60

Black Sheets.

	Com.	D.Fl.
18 gauge	2 85	3 00
20 gauge	2 85	3 00
22 to 24 "	2 95	3 25
26 "	3 05	3 50
28 "	3 15	

Copper Ware.

Discount, 50 per cent.

Canada Plates.

All dull, 52 sheets	3 00
Half polished	3 10
All bright	3 75

Black pipe—

Iron Pipe.

	Per 100 Feet.
⅛ inch	2 90
¼ "	2 40
⅜ "	2 65
½ "	2 85
¾ "	3 65
1 "	5 20
1¼ "	7 35
1½ "	8 95
2 "	12 55
2½ "	24 00
3 "	28 00
3½ "	36 00
4 "	43 00
4½ "	50 00
5 "	57 00
6 "	73 00

Galvanized pipe—

¼ inch	3 20
⅜ "	3 45
½ "	3 85
¾ "	5 00
1 "	7 20
1¼ "	10 05
1½ "	12 20
2 "	16 85

Discount 4 per cent.

Malleable Fittings—Discount 40 p.c.
Cast Iron Fittings—
On all Cast Iron Fittings, including plugs, bushings, unions and nipples, 60 p.c dis.
All others—discount 60 p.c.

Galvanized Sheets.

	G C. Comet.	Amer.	Queen's Head.
16 gauge			
18 to 24 gauge	4 05 3 75		4 05
26 "	4 25 4 00		4 25
28 "	4 50 4 25	*4 40	4 50

Less than case lots 10 to 15c. extra.
*29 gauge.

Chain.

Proof Coil, 3-16 in., per 100 lb		
" ¼ " "	7 85	8 10
" 5-16 " "	5 25	5 50
" ⅜ " "	4 50	4 75
" 7-16 " "	4 25	4 50
" ½ " "	4 20	4 50
" 9-16 " "	4 05	4 50
" ⅝ " "	4 00	4 50
" ¾ " "	4 00	4 50

Halter kennel and post chains, 40 to 40 and 5 p.c.
Cow ties ..... 40 p.c.
Tie-out chains ..... 65 p.c.
Stall fixtures ..... 35 p.c.
Trace chain ..... 45 p.c.
Jack chain, iron, single and double discount 35 p c.
Jack chain, brass single and double, discount 40 p.c.

Copper.

	Ingot	Per 100 lb.
English B S., ton lots		14 00
Lake Superior		

Bars.

Cut lengths round, ½ to ⅞ in.	23 00 25 00
" round and square 1 to 2 inches	23 00 25 00

Sheet.

Plain, 14 oz., and light, 16 oz., 14x48 and 14x60	22 00 22 50
Plain, 14 oz., and light, 16 oz., irregular sizes	22 50 23 00
Tinned copper sheets	24 00
Planished	32 00

Braziers (In sheets.)

4x6 ft. 25 to 30 lbs. ea., per lb.	0 23
" 35 to 45 " "	0 22
" 50-lb. and above, "	0 21

Boiler and T. K. Pitts

Plain Tinned, per lb	0 28
Spun, per lb	0 32

Brass.

Rod and Sheet, 14 to 30 gauge, 15 per cent.	
Sheets, hard-rolled, 2x4	0 23
Tubing, base, per b	0 23½

Zinc Spelter

Foreign, per lb	5 50	6 00
Domestic "		

Zinc Sheet.

5-cwt. casks	6 00	6 25
Part casks	6 25	6 50

Lead.

Imported Pig, per 100 lb	3 50	3 75
Bar, b		0 95
Sheets, 2½ lbs. sq. ft., by		0 06¼
Sheets, 3 to 6 lbs., "		0 06

NOTE.—Cut sheets ½ cent per lb. extra.
Pipe, by the roll, usual weights per yard, lists at 7c. per lb. and 37½ p.c. dis. f.o.b. Toronto.
NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths lists at 7½ cents.

Shot.

Common, $6.50 per 100 lb.; chilled, $7.00 per 100 lb.; buck, seal and ball, $7.50. Discount, 22½ p.c. Prices are f.o.b. Toronto, Hamilton, Montreal, St. John and Halifax. Terms 3 per cent. cash, freights equalized.

Soil Pipe and Fittings.

Discount, 60 p.c. on medium and extra heavy, and 55 p.c. on light soil pipe; 60 p.c. discount on light soil pipe fittings, and 60 and 10 p.c. on medium and extra heavy.

Solder.

	Per lb.	Per lb.
Bar half-and-half, guarant'd		0 20
Bar half-and-half, commer'l		0 19½
Refined		0 19
Wiping		0 18½

Antimony.

Cookson's, per lb		9 50

White Lead.

	Per 100 lb.
Pure	5 87½
No. 1	5 50
No. 2	5 12½
No. 3	4 75
No. 4	4 37½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B. B. Genuine	7 00
" " No. 1	6 00

Red Lead.

Genuine, 560 lb. casks, per cwt.	$4 75
Genuine, 100 lb. kegs, per cwt.	5 00
No. 1 560 lb. casks, per cwt.	4 25
No 1, lb kegs, per cwt	4 50

White Zinc.

Extra Red Seal	0 06	0 08
No. 1	0 05½	0 07
No. 2	0 05	0 06

Dry White Lead.

Pure, casks	5 25
Pure, kegs	5 50
No. 1, casks	5 00
No. 1, kegs	5 25

Prepared Paints

In ¼, ½ and 1 gallon tins.

Pure, per gallon	1 25
Second qualities, per gallon	1 10
Barn (in bbls.)	0 60 0 90
The Sherwin-William Paints	1 40
Canada Paint Co's Pure	1 25
Toronto Lead & Color Co's Pure	1 25
Sanderson Pearcy's Pure	1 20
Stewart & Wood's Champion Pure	1 20

Colors in Oil.

25 lb. tins, Standard Quality.

Venetian Red, per lb	0 04½	0 06
Chrome Yellow	0 12	0 14
Golden Ochre	0 08	0 10
French "		0 06
Marine Black		0 09
Chrome Green		0 10
French Imperial Green		0 12
Sign Writers' Black		0 16
Burnt Umber		0 11
" Sienna		0 11
Raw Umber		0 11
" Sienna		0 11

Colors, Dry.

Common Ochre bbls	1 20	1 30
Yellow Ochre J.F.L.S., bbls		2 00
Yellow Ochre (La Belle)	1 15	1 25
Brussels Ochre		2 00
Venetian Red (best), bbl	1 75	2 00
English Oxides, per cwt.	3 00	3 25
American Oxides, bbls	1 25	2 00
Canadian Oxides, 1 bls	1 25	1 75
Super Magnetic Oxides, 93p.c.	2 00	2 25
Burnt Sienna, pure, per lb		0 10
" Umber, " "		0 10
Raw do		0 09
Drop Black, pure		0 09
Chrome Yellows, pure		0 18
Chrome Greens, pure, per lb.	0 19	0 10
Golden Ochre	0 04	0 05
Ultramarine Blue in 28-lb. boxes, per lb	0 06	0 18
Fire Proof Mineral, per 100 lb		1 00
Genuine Eng. Litharge, per lb		0 07
Mortar Color, per 100 lb	1 25	1 50
Pure Indian Red, No. 45 lb.	0 08	0 10
Whiting, bbl	0 55	0 60
English Vermillion in 30-lb. bags.		0 95

Paris Green.

	per lb.
Petroleum Casks	0 14½ 0 16¾
Arsenic Kegs	0 15 0 17
50-lb. and 100-lb. drums	0 15½ 0 17½
25-lb. drums	0 16 0 18
1-lb packages	0 17½ 0 18½
½-lb. do	0 20 0 21½
1-lb. tins	
½-lb do	

F. O. B. Toronto. Terms—3 p. c. off 30 days, or 4 mos. from date of delivery.

Blue Stone.

Casks, for spraying, per lb	0 07
100-lb. lots, do. per lb	0 08

Putty.

Bulk in bbls.,	1 90
Bulk in less quantity	2 05
Bladders in bbls	2 25
Bladders in kegs, boxes or loose	2 40
Bladders in 25-lb. tins	2 35
Bladders in 12½-lb. tins	2 65
Bladders in bulk or tins less than 100 lb	2 90

Varnishes.

In 5-gal. lots.	Per Gal.	net.
Carriage, No. 1	1 50	1 60
Pale Durable body	4 10	4 25
" rubbing	2 85	3 20
Gold Size, Japan	2 85	3 00
No. 1 Brown Japan	0 85	0 90
Elastic Oak		1 50
Furniture, extra		1 25
" No. 1		1 10
Hard Oil Finish	1 65	1 75
Light Oil Finish	1 40	1 60
Demar	1 70	1 85
Shellac, white	2 30	2 45
" orange	2 25	2 35
Turpentine Brown Japan	1 25	1 0
" Black Japan	0 85	1 20
" No. 1	0 50	0 75

Elastilite Varnish 1 gal. can, each, $2.00.
Granitine Floor Finish per gal., $2.75.
Maple Leaf Coach Enamels; Size 1, $1 20 Size 2, 70c.; Size 3, 40c. each.
Sherwin-Williams' Copal Varnish, assorted cans, from ½ pts. to 1 gal., $2.50.

Castor Oil.

East India, in cases, per lb	0 09½ 0 10
" " small lots	0 10 0 10½

Cod Oil, Etc.

Cod Oil per gal	0 50 0 55
Pure Olive	1 20
" Neatsfoot	90

Glue.

Common	0 08½ 0 09
French Medal	0 14 0 14½
Cabinet sheet	0 12 0 13
White, extra	0 18 0 20
Gelatine	0 22 0 30
Strip	0 18 0 20
Coopers	0 19 0 20
Huttner	0 18

THOS. GOLDSWORTHY & SONS

MANCHESTER, ENGLAND.

EMERY { Cloth / Corn / Flour

We carry all numbers of Corn and Flour Emery in 10-pound packages, from 8 to 140, in stock. Emery Cloth, Nos. OO., O., F., FF., 1 to 3.

JAMES HUTTON & CO., Wholesale Agents for Canada, Montreal.

HARDWARE.

Ammunition.

Cartridges.

B. B Caps Dom. 50 and 5 per cent.
Rim Fire Pistol, dis 40 p. c., Amer
Rim Fire Cartridges, Dom., 5 (and 5 p. c
Central Fire Pistol and Rifle 10 p.c. Amer.
Central Fire Cartridges, pistol sizes Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 per cent.
Central Fire, Military and Sporting, Amer. add 5 p.c. to list. B.B. Caps, discount 40 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 10 p.c. advance on list.
Brass Shot Shells, 55 per cent.
Primers, Dom., 30 per cent.; American, $1.60.

Wads	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb. bags	70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	
Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 20 per cent.

Anvils.

Wright's, 80-lb. and over	0 10¾
Hay Budden, 80-lb. and over	0 09¼
Brook's, " " "	0 11¼

Augers.

Gilmour's discount 65 and 5 p.c. off list.

Axes.

Chopping Axes		
Single bit, per doz	5 50	10 00
Double bit, "	11 00	18 00
Bench Axes, 40 p.c.		
Broad Axes, 25 per cent.		
Hunters' Axes	5 50	6 00
Boys' Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Axle Grease.

Ordinary, per gross	5 75	6 00
Best quality	13 00	15 00

Bath Tubs.

Zinc	6 00
Copper, discount 15 p.c. off revised list	

Baths.

Standard Enameled.

5½-inch rolled rim, 1st quality	24 00
" " " 2nd "	20 00

Anti-Friction Metal.

"Tandem" A per lb.	0 27
" B "	0 21
" C "	0 11½
Magnolia Anti-Friction Metal, per lb	0 25
Frictionless metal, per lb	0 23

SYRACUSE SMELTING WORKS.

Aluminum, genuine	0 41
Dynamo	0 27
Special	0 22
Aluminum, 99 p.c. pure "Syracuse"	0 45

Bells.

Hand

Brass, 60 per cent.
Nickel, 55 per cent.

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Door.

Gongs, Sargant's	5 50	8 00
" Peterboro', discount 45 per cent		

Farm.

American, each	1 25	3 00

House.

American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00
Blacksmiths', discount 40 per cent.		

Belting.

Extra, 60 per cent.
Standard, 60 and 10 per cent.
No. 1, not wider than 6 in., 60 10 and 10 p.c.
Agricultural, not wider than 4 in., 75 p.c.

Bits.

Auger.

Gilmour's, discount 60 and 5 per cent.
Rockford, 50 and 10 per cent.
Jennings' Gen. net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind and Bed Staples.

All sizes, per lb	0 07¾	0 12

Bolts and Nuts.

	Per cent.
Carriage Bolts, common ($1 list)	55
" " full square ($2.40 list)	55
" " Norway iron ($3 list)	50
Machine Bolts, all sizes	50 and 5
Plough Bolts	50 and 5
Blank Bolts	50 and 5
Bolt Ends	50 and 5
Sleigh Shoe Bolts	65 and 5
Coach Screws, cone point	66⅔
Nuts, square, all sizes, 3½c per lb off.	
Nuts, hexagon, all sizes, 3¾c. per lb. off.	
Stove rods, per lb.	5½ to 6c.
Nuts, in 50 lb. lots ¼c. per lb. extra, in less than 50 lb. lots, ½c. extra.	

Boot Calks.

Small and medium, ball, per M	4 25	
Small heel, per M	4 50	

Bright Wire Goods.

Discount 62½ per cent

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent

Henis, No. 8		6 00
Henis, No. 9, "		7 00
Queen City "	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Butcher Knives.

Bailey's, per doz	0 60	6 30

Building Paper, Etc.

Tarred felt, per 100 lb	1 70
Ready roofing, 2-ply, not under 45 lb. per rol	85
Ready roofing, 3-ply, not under 65 lb. per roll	1 10
Carpet felt, per ton	45 00
Dry sheathing, per roll, 400 sq ft	35
Tar sheathing, " " "	45
Dry fibre " " "	50
Tarred fibre, " " "	60
O.K. & I.X.L., " " "	65
Resin-sized, " " "	40
Oiled sheathing, " 600 "	1 10
" " " 400 "	70
Roof coating, in barrels, per gal	17
" " small packages	25
Refined tar, per barrel	4 50
Coal tar, "	4 00
Coal tar, less than barrels, per gal	15
Roofing pitch, per 100 lb	85

Bull Rings.

Copper, $2.00 for 2½ in. and $1.90 for 2 in.

Butts.

Wrought Brass net revised list.

Cast Iron.

Loose Pin, dis., 60 per cent.

Wrought Steel

Fast Joint, dis. 65, 10 and 2½ per cent.
Loose Pin, dis. 65, 10 and 2½ per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.

Gen. Bronzed, per pair	0 40	0 65

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	8 50	9 50

Cement.

Canadian Portland	1 90	2 75
English "	3 00	3 15
Belgian "	2 50	2 75
Canadian hydraulic	1 25	1 50
Arrow		2 25
Buffalo		2 00

Chalk.

Carpenters Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 70 per cent.
Warnock's, dis. 70 per cent.
P. S. & W. Extra 60, 10 and 5 p.c.

Churns.

Revolving Churns, metal frames—No. 0, $8—No. 1, $8.50—No. 2, $9.00—No. 3, $10.00—No. 4, $12.00—No. 5, $16.00 each. Ditto, wood frames—20c. each less than above.
Discounts: Delivered from factories, 56 p.c.; from stock in Montreal, 54 p.c.
Terms, 4 months or 3 p.c. cash in 30 days

Clips.

Axle dis. 65 per cent.

Closets.

	Net.
Plain York or Ontario Syphon Jet.	$9 60
Emb. York or Ontario Syphon Jet.	10 20
Fittings	1 00
Plain Elgin or Teu. Syphon Washout	6 00
Emb. Elgin or Teu. Syphon Washout	6 60
Fittings	1 25
Low Down Elgin or Teutonic, plain	9 60
" " " " emb.	10 20
Plain Richelieu	4 00
Emb. Richelieu	4 25
Connections	1 25
Low Down Ont. Sy. Jet, plain	11 70
" " " " " emb'd.	12 30
Closet connection	1 25
Basins P.O., 14 in.	0 70
" oval 17 x 14 in.	1 50
" " 19 x 15 in.	2 25

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Conductor Pipe.

Plain or Corrugated.

2-inch, per 100 feet	3 00
3 " " "	4 00
4 " " "	5 25
5 " " "	6 75
6 " " "	9 00

Cradles, Grain.

Canadian, dis. 25 to 33⅓ per cent.

Crosscut Saw Handles.

S. & D., No. 3, per pair	17½
" " 5, "	22½
" 6, "	15
Boynto pattern "	20

Door Springs.

Torrey's Rod, per doz	(15 p.c.	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Coach and Wagon, dis. 50 and 10 per cent.
Carpenters, dis. 70 per cent.

Drills.

Hand and Breast
Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis., 37½ to 40 per cent.
Standard dis. 50 and 5 to 55 per cent.

Faucets.

Common, cork-lined, dis. 35 per cent.

EAVE TROUGH.

10-inch, per 100 ft	$3 10

ELBOWS. (Stovepipe.)

	per doz.
5 and 6-inch, common	1 20
7-inch	1 35
Polished, 15c. per doz. extra.	

ESCUTCHEONS.

Discount, 40 per cent.

ESCUTCHEON PINS.

Iron, discount 40 per cent.

FACTORY MILK CANS.

Discount off revised list, 40 per cent.

FILES AND RASPS.

Great Western	70 and 10	per cent.		
Arcade	70	"	10	"
Kearney & Foot	70	"	10	"
Disston's	70	"	10	"
American	70	"	10	"
J. Barton Smith	70	"	10	"
McClellan	70	"	10	"
Eagle	70	"	10	"
Nicholson, 60 and 10 to 6), 10 and 5				"
Royal	80			"
Globe	70 to 75			"

Black Diamond, 60 and 10 to 60, 10 and 5 p.c.
Jowitt's, English list, 25 to 27½ per cent.
Nicholson File Co.'s "Simplicity" file handle per gross, 85c. to $1.50.

GLASS—Window—Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	D. Diamond Per 50 ft.	D. Diamond Per 100 ft.
Under 26	2 20	4 25	....	6 25
26 to 40	2 40	4 65	....	8 75
41 to 50	....	5 10	....	7 50
51 to 60	....	5 35	....	8 50
61 to 70	....	5 75	....	9 75
71 to 80	....	6 25	....	11 00
81 to 85	....	7 00	....	12 55
86 to 90	....	7 75	..	15 00
91 to 95	..	....	...	17 50
96 to 100	.. ..	....	..	20 50

GAUGES

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's Nos. 26 to 33, each	1 65	2 40

HALTERS.

Rope, ⅜ per gross	....	....
" ½ "	....	9 00
" ⅝ to ¾ "	....	14 00
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

Maydole's, dis. 5 to 10 per cent 25 to 27½ per cent.	Can.	dis.

Tack.

Magnetic per doz	1 10	1 20

Sledge.

Canadian per lb	0 07½	0 08⅓

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz. net	1 50	2 00
Store door, per doz	1 00	1 50

Fork.

C. & B., dis. 40 per cent. rev. list.

Hoe.

C. & B., dis. 40 per cent. rev. ist.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 7.

Hammer and Hatchet.

Canadian, 40 per cent.

Cross-Cut Saws.

Canadian, per pair	13¾

HANGERS.

	doz. pairs.	
Steel barn door	5 85	6 00
Stearns, 4 inch	....	5 00
" 5 inch	....	6 50
Lane's covered—		
No. 11, 5-ft. run	....	8 40
No. 11½, 10-ft. run	....	10 80
No. 12, 10-ft. run	....	12 60
No. 14, 15-ft. run	....	21 00
Lane's O.N.T. track, per foot	....	4½

HARVEST TOOLS

Discount, 60 per cent.

HATCHETS

Canadian, dis 40 to 42½ per cent.

Progress

Twenty-five years ago we commenced making Tarred Paper in Montreal, using a hand-power machine, with a daily output of about 100 rolls. To-day we have Paper Mills at Portneuf and St. Bazile; Factories at Toronto, Montreal and Halifax in which we are running **six** Steam Power Tarring Machines, **three** Machines for making Wire Edged Ready Roofing, and **five** Stills for the manufacture of Roofing Pitch.

Our daily capacity is **fifteen** tons Dry Paper, **two thousand** rolls Tarred Paper, **eighteen hundred** rolls Wire Edged Ready Roofing and **twenty** tons Roofing Pitch.

The Paterson Mfg. Co., Limited

Toronto. Montreal. St. John. Halifax.

HINGES.

Blind, Parker's, dis. 50 and 10 to 60 per cent.
Heavy T and strap, 4-in., per lb.... 0 06½
" " " 5-in., " 0 06¼
" " " 6-in., " 0 06
" " " 8-in., " 0 05¾
" " " 10-in., " 0 05½
Light T and strap, dis. 65 and 5 per cent.
Screw hook and hinge—
6 to 10 in., per 100 lbs.... .... 4 50
12 in. up, per 100 lbs..... .... 3 25
Per gro. pairs
Spring..... .... 12 00

HOES.

Garden, Mortar, etc., dis. 60 p.c.
Planter, per doz..... 4 00 4 50

HOLLOW WARE

Discount,..... 45 and 5 per cent.

HOOKS.

Cast Iron.

Bird Cage, per doz.....	0 50	1 10
Clothes Line, per doz.....	0 27	0 63
Harness, per doz.....	0 72	0 88
Hat and Coat, per gross.....	1 00	3 00
Chandelier, per doz.....	0 50	1 00

Wrought Iron.
Wrought Hooks and Staples, Can. dis. 47½ per cent.
Wire.
Hat and Coat, discount 45 per cent.
Belt, per 1,000 ..... 0 60
Screw, bright, dis. 55 per cent.

HORSE NAILS.

"C" brand 50 and 7½ p.c. off new list } Oval-
"M" brand 50, 10 and 5 per cent. } head
Countersunk, 60 per cent.

HORSESHOES.

F.O.B. Montreal

Iron Shoes.	No. 2 and larger.	No. 1. and smaller.
Light, medium and heavy...	3 50	3 75
Snow shoes.....	3 75	4 00
Steel Shoes.		
Light.....	3 60	3 85
Featherweight (all sizes).....	4 85	4 85

F.O.B. Toronto, Hamilton, London and Guelph, 10c. per keg additional.
Toe weight steel shoes..... 6 70

JAPANNED WARE.

Discount, 45 and 5 p.c. off list, June 1899.

ICE PICKS.

Star per doz..... 3 00 3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.
Copper, per lb..... 0 30 0 50
American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 45 p.c.
Cabinet, trunk, and padlock, Am. per gross 60

KNOBS.

Door, japanned and N.P., per doz..... .... 1 50 2 50
Bronze, Berlin, per doz..... 2 75 3 25
Bronze Genuine, per doz.... 6 00 9 00
Shutter, porcelain, F. & L screw, per gross 1 30 4 00
White door knobs—per doz. 95 1 00

HAY KNIVES.

Discount, 60 per cent.

LAMP WICKS.

Discount, 60 per cent.

LANTERNS.

Cold Blast, per doz..... 7 00
No. 3 "Wright's"..... 8 50
Ordinary, with O burner..... 4 00
Dashboard, cold blast..... 9 00
No. 0..... 5 75
Japanning, 50c. per doz. extra

LEMON SQUEEZERS.

Porcelain lined, ...per doz. 2 20 5 60
Galvanized..... 1 87 3 85
King, wood..... 2 75 2 90
King, glass..... 4 00 4 50
All glass..... 1 20 1 30

LINES.

Fish per gross..... 1 05 2 50
Chalk " 1 90 7 40

LOCKS

Canadian, dis 40 p.c.
Russel & Erwin per doz.... 3 00 3 25
Cabinet.
Eagle, dis. 30 p.c.

Padlocks.

English and Am. per doz.... 50 6 00
Scandinavian, " 1 00 2 40
Eagle, dis. 20 to 25 p.c.

MACHINE SCREWS. Iron and Brass.

Flat head discount 25 p.c.
Round Head discount 20 p.c.

MALLETS.

Tinsmiths' per doz..... 1 25 1 50
Carpenters', hickory, per doz. 1 25 3 75
Lignum Vitae, per doz.. .... 3 85 5 00
Caulking each..... 60 2 00

MATTOCKS.

Canadian, per doz..... 5 50 6 50

MEAT CUTTERS.

American, dis. 25 to 30 p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are:	Cut.	Wire.
2 d and 3d	$3 45	$3 55
3 d	3 10	3 22
4 and 5d.....	2 85	3 05
6 and 7d.....	2 75	2 90
8 and 9d.....	2 60	2 70
10 and 12d.....	2 55	2 65
16 and 20d.....	2 50	2 60
30, 40, 50 and 60d. (base).....	2 45	2 55

Wire nails in carlots are $2.50
Galvanizing 2c. per lb. net extra.
Steel Cut Nails 10c. extra.
Miscellaneous wire nails, dis. 75 p.c.
Coopers' nails, dis. 30 per cent.
Flour barrel nails, dis. 25 per cent

NAIL PULLERS.

German and American..... 1 85 3 50

NAIL SETS.

Square, round, and octagon per gross..... 3 38 4 00
Diamond..... 12 00 15 00

POULTRY NETTING.

2-in. Mesh, 19 w.g., dis. 50 and 5 to 50 and 10 p.c.
2-in. Mesh, 18 w.g. and heavier, 50 p.c.

OAKUM. Per 100 lb

Navy 6 00
U.S. Navy..... 7 25

OILERS.

McClary's Model galvan. oi can, with pump, 5 gal. per doz..... .... 10 00
Zinc and tin, dis. 50, 50 and 10.
Copper, per doz..... 1 25 3 50
Brass, " 1 50 3 50
Malleable, dis. 25 per cent.

GALVANIZED PAILS.

Dufferin pattern pails, dis. 45 p.c.
Flaring pattern, discount 45 per cent.
Galvanized washtubs discount 45 per cent.

PIECED WARE.

Discount 40 per cent. off list, June, 1899.
10-qt. flaring sap buckets, dis. 40 p.c.
6, 10 and 14-qt. flaring pails, dis. 40 p.c.
Creamer cans, dis. 40 p.c.

PICKS.

Per doz..... 6 00 9 00

PICTURE NAILS.

Porcelain head, per gross... 1 75 3 00
Brass head " 0 40 1 00

PICTURE WIRE.

Tin and gilt, discount 75 p.c.

PINE TAR.

½ pint in tins, per gross. 7 80
1 " " " 9 60

PLANES.

Wood, bench, Canadian dis. 40 per cent. American dis. 50.
Wood, fancy Canadian or American 7½ to 40 per cent.

PLANE IRONS.

English per doz..... 2 00 5 00

PLIERS AND NIPPERS.

Button's Genuine per doz pairs, dis. 37½ 40 p.c.
Button's Imitation, per doz.. 5 00 9 00
German, per doz..... 0 60 2 60

PLUMBERS' BRASS GOODS.

Standard Compression work, dis. 60 p.c.
"J.M.T." Cushion work. dis. 50 p.c.
Fuller work, dis. 65 p.c.
6 doz. lots and over of the above, extra dis. 10 p c.
Lever Handle Stops and Waste, discount 60 p.c. With, in lots of 2 doz. and over, an extra dis. of 10 p.c.
"J.M.T." Globe, Angle and Check Valves, dis 55 p.c.
Standard Globe, Angle and Check Valves, dis. 65 p.c.
"J.M.T." Radiator Valves, dis. 55 p c.
Standard " " dis., 65 p.c.
Patent Quick Opening Valves, dis. 70 p.c.
No. 1 compression bath cock, net .. 2 00
No. 4 " " " 2 00
No. 7, Fuller's 2 20
No. 4½, " 2 35
Patent Compression Cushion, basin cock, hot and cold, per doz 15 00
Patent Compression Cushion, bath cock, No. 2208..... 2 25
Square head brass cocks, 60 p.c.
" " iron " 60 p.c.
Competition Globe, Angle and Check Valves discount, 70 p. c.
Competition Quick Opening Radiator Valves, discount, 70 p.c.

PRESSED SPIKES.

Discount 22½ per cent.

PULLEYS.

Hothouse, per doz.....	0 55	1 00
Axle.....	0 22	0 33
Screw.....	0 27	1 00
Awning.....	0 35	2 50

PUMPS.

Canadian cistern.....	1 80	3 60
Canadian pitcher spout.....	1 40	2 10

PUNCHES.

Saddlers', per doz.....	1 00	1 85
Conductors's '	9 00	15 00
Tinners', solid per set.....	0 00	0 72
" hollow per inch	0 00	1 00

RANGE BOILERS.

	Net.
Dominion, 30 gal.	5 75
Dominion, 35 "	6 75
" 40 "	7 75
Ronald's Galvanized, 30 gallons	6 50
" " 35 "	7 50
" " 40 "	8 50
Copper, 30 gallons.....	20 00
" 35 "	23 20
" 40 "	26 40

RAKES.

Wood, per doz. net 110

RAZORS.

	per doz.	
Elliot's	4 00	18 00
Geo. Butler & Co.'s.....	4 00	18 00
Boker's.....	7 50	11 00
" King Cutter.....	12 50	50 00
Wade & Butcher's	3 60	10 00
Theile & Quack's.....	7 00	12 00
Bailey's.....	6 00	12 00
Carbo Magnetic Razor	....	15 00
Griffon Barbers' Favorite	....	10 75
Griffon No. 65.....	....	13 50
Griffon Safety Razors.....	....	13 50
" Stropping Machines. ...		13 50

All other razors 50 p.c. off catalogue price.

REGISTERS.

Discount ..... 40 per cent

RIVETS AND BURRS.

Iron Rivets, black and tinned, discount 60 and 10 per cent.
Iron Burrs, discount 55 per cent.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets with usual proportion burrs, 45 and 10 dis., cartons, 1c. per lb. extra, net.
Copper Burrs only, 30 and 10 p.c.
Extras on Tinned or Coppered Rivets, ½-lb. cartons, 1c. per lb.

RIVET SETS.

Canadian, dis. 35 to 37½ per cent.

ROPE, ETC.

Sisal	13
Pure Manilla.....	16
"British" Manilla.....	14½
Cotton, 3-16 inch and larger.....	16
" 5-32 inch.....	21
" ⅛ inch	22
Russia Deep Sea.	15
Jute	8
Lath Yarn	

Sisal bed cord, 48 ft.....	per doz.	65
" " 60 ft.....	"	80
" " 72 ft.....	"	95

RULES.

Boxwood, dis. 55 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS. per set.

Mrs. Potts, No. 55, polished. 70
" No. 50, nickle-plated. 75

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 5 per cent.
Emery, 40 per cent.
Garnet (Rurton's), 5 to 10 p.c. advance on list

SAP SPOUTS.

Bronzed iron with hooks, per doz. 9 50

SAWS.

Hand Disston's, dis. 12½ p.c.
S. & D., 40 per cent.
Crosscut, Disston's, per ft.. 0 35 0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3
Hack, complete, each 0 75 2 75
" frame only 0 75

SASH WEIGHTS.

Sectional, per 100 lbs..... 2 25 2 50
Solid, " 1 75 2 00

SASH CORD.

Per lb..... 0 23 0 30

SAW SETS.

Lincoln and Whiting, per doz. 4 75
Hand Sets, No. 1 Woodyatt (Morrill) 4 25
X-cut Sets, No. 3 Woodyatt (Morrill) 9 50

SCALES.

Burrow, Stewart & Milne—
Imperial Standard, 45 per cent.
Weigh Beams, 35 per cent.
Champion Scales, 55 per cen
Fairbanks Standard, 35 p.c.
" Dominion, 55 p.c.
" Richelieu, 55 p.c.
Warren's new Standard 45 p c.
" " Champion 55 p.c.

SCREW DRIVERS.

Sargent's per doz..... 0 65 1 00

SCREWS.

Wood, F.H., bright and steel, 87½ and 10 p.c.
Wood R. H., " dis. 82½ and 10 p.c.
" F. H., brass dis. 80 and 10 p.c.
Wood, R. H., " dis. 75 and 10 p.c.
" F.H., bronze, dis. 75 p.c.
" R.H. " 70 p.c.
Drive Screws, 87½ and 10 per cent.
Bench, wood, per doz. 3 25 4 00
" iron, " 4 25 5 00
Set, Case hardened, 60 per cent.
Square Cap, 50 and 5 per cent.
Hexagon Cap, 45 per cent.

SCYTHES.

Per doz., net..... ..... 5 00 8 00

SCYTHE SNATHS.

Canadian, dis. 45 p.c.

SHEARS.

Bailey Cutlery Co., full nickeled, dis. 60 and 2½ p.c.
Bailey Cutlery Japan handles, 67½ p.c.
Seymour's, dis. 50 and 10 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SINKS.

Steel and galvanized, discount 45 per cent

SNAPS.

Harness, German, dis. 25 p.c.
Lock, Andrews'..... 4 50 11 50

SOLDERING IRONS.

1, 1½ lb., per lb..... 0 37
2 lb. or over, per lb..... 0 34

SQUARES.

Iron, No. 493, per doz..... 2 40 2 55
" Mo. 494, " 3 25 3 40
Steel, dis. 60, 10 and 5 p.c.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.

Plain, dis., 75 and 12½ p.c. off revised list.
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized..... 3 25 3 50
Plain..... 2 90 3 15
Coopers', discount 45 per cent.
Poultry netting staples, 40 per cent.

STANDARD CHAIN CO., PITTSBURGH, U. S. A.

MANUFACTURERS OF **CHAIN** OF ALL KINDS.

Proof Coil, B.B., B.B.B., Crane, Dredge Chain, Trace Chains, Cow Ties, etc.

ALEXANDER GIBB, Montreal. —Canadian Representatives— A. C. LESLIE & CO., Montreal.

For Provinces of Ontario and Quebec. For other Provinces.

STOCKS AND DIES.

American dis. 25 p.c.

STONE.	Per lb.	
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip,	0 09	0 09
Labrador	....	0 13
" Axe	....	0 15
Turkey	....	0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind. 2 in. 40 to 200 lb. per ton	....	25 00
" under 40 lb. "	....	28 00
Grind. under 2 in. thick "	....	29 00

STOVE PIPES.

5 and 6 inch Per 100 lengths	....	7 00
7 inch " "	....	7 50

ENAMELINE STOVE POLISH.

No. 4—3 dozen in case, net cash	$4 80
No. 6—3 dozen in case, "	8 40

TACKS, BRADS, ETC.

Cheese-box tacks, blued .....80 & 12½
Trunk tacks, black and tinned 85
Carpet tacks, blued .....80 & 15
" " tinned .....80 & 20
" " (in kegs) 40
Cut tacks, blued, in dozens only ..80
" ¼ weights.....60
Swedes cut tacks, blued and tinned—
In bulk.....80 & 10
In dozens.....75
Swedes, upholsterers', bulk....85, 12½ & 12½
" brush, blued & tinned, bulk..70
" gimp, blued, tinned and japanned .....75 & 12½
Zinc tacks 35
Leather carpet tacks 55
Copper tacks 50
Copper nails 5 1½
Trunk nails, black.....65 and 5
Trunk nails, tinned.....65 and 10
Clout nails, blued .....65 and 5
Chair nails 35
Patent brads 40
Fine finishing.....40
Lining tacks, in papers 10
Lining tacks, in bulk 15
" " solid heads, in bulk.... ...75
Saddle nails in papers.....10
" " in bulk.....15
Tufting buttons, 22 line, in dozens only 60
Tin capped trunk nails.....25
Zinc glazier's points..... 5
Double pointed tacks, papers.....90 and 10
" " " bulk 40
Shoe nails 60
Clinch and duck rivets ... .45

TAPE LINES.

English, ass skin, per doz....	2 75	5 00
English, Patent Leather....	5 50	9 75
Chesterman's each.....	0 90	2 85
" steel, each	0 80	8 00

TINNERS' SNIPS.

Bailey's, dis. 25 p.c.

THERMOMETERS.

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TRAPS. (Steel.)

Game, Newhouse, dis. 25 p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's discount 10 per cent.

German, per doz.....	4 75	6 00

S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb.....	....	0 27
Wrapping, cotton, 3-ply.....		0 19
" 4-ply.....	....	0 23
Mattress, per lb.....	0 33	0 45
Staging, "	0 27	0 35

VISES.

Wright's	....	0 13½
Brook's	....	0 12¾
Pipe Vise, Hinge, No. 1.....	....	3 50
" " " No. 2	....	5 50
Saw Vise	4 50	9 00

ENAMELLED WARE.

White, Princess, Turquoise, Blue and White, discount 50 per cent.
Diamond, Famous, Premier, 50 and 10 p.c.
Granite or Pearl, Imperial, Crescent, 50, 10 and 10 per cent.

WIRE.

SMOOTH STEEL WIRE.

No. 0-9 gauge.....		$2 60
10 "	6c.	extra.
11 "	12c.	"
12 "	20c.	"
13 "	30c.	"
14 "	40c.	"
15 "	55c.	"
16 "	70c.	"

Add 60c. for coppering and $2 for tinning

Extras net per 100 lb. — Oiled wire 10c. spring wire $1.25, special hay baling wire 30c. best steel wire 75c., bright soft drawn 15c. charcoal (extra quality) $1.25, packed in casks or cases 15c., bagging and papering 10c., 50 and 100-lb. bundles 10c., in 25-lb. bundles 15c., in 5 and 10-lb. bundles 25c., in 1-lb. hanks 50c., in ½-lb. hanks 75c., in ¼-lb. hanks $1.

Fine Steel Wire, dis. 22½ per cent List of extras : In 100-lb. lots : No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, 7.65—No. 24, $8—No. 25, $9—No. 26 $9.50—No. 27, $10—No. 28, $11 No. 29. $12—No. 30, $13—No. 31, $14—No. 32 $15, No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31 $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles, 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.50 to $3.85—No. 9, $3.85 to $3.15—No. 10, $3.60 to $3.95—No. 11, $3.70 to $4.10—No. 12, $3 to $3.30—No. 13, $3.10 to $3.40—No. 14, $4.10 to $4.50—No. 15, $4.60 to $5.05—No. 16, $4.85 to $5.35. Base sizes, Nos. 6 to 9 $2.52½ f.o.b. Cleveland.
Clothes Line Wire, regular 7 strand. No. 17, $4.65; No. 18, $2.90; No. 19, $2.60. Hollow 6 strand, No. 17, $4.30; No. 18, $2.70, No. 19, $2.35; No 20, $2.30, f.o.b. Hamilton, Toronto Montreal.

WIRE FENCING.

Galvanized barb	....	$ 00
Galvanized, plain twist.....	....	3 00

Galvanized barb, f.o.b. Cleveland, $2.77½ in less than carlots, and $2.65 in carlots

WIRE CLOTH

Painted Screen, per 100 sq. ft., net.. 1 37½
Terms, 3 per cent. off 30 days.

WASTE COTTON.

	per lb.
Colored.....	6
White	8

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 60 p.c.
Coe's Genuine, dis. 20 to 25 p.c.

Towers' Engineer, each.....	2 00	7 00
" S., per doz.....	5 80	6 00
G. & K.'s Pipe, per doz.....	....	3 40
Burrell's Pipe, each.....	....	3 00
Pocket, per doz.....	0 25	2 90

WRINGERS.

Leader..... per doz.	$30 00	33 00
Royal Canadian.. "	...	24 00
Royal American., "	....	24 00
Sampson..... "	....	24 00

Terms 4 months, or 3 p.c. 30 days

WROUGHT IRON WASHERS.

Canadian make, discount, 40 per cent.

ADVERTISING in WESTERN CANADA

will be Carefully Efficiently, and Promptly attended to, by

The Roberts Advertising Agency,

WINNIPEG CANADA.



"Pullman" Lawn Sprinkler

IS YOUR ORDER IN ?

Send for Folder No. 14.

Pullman Sash Bal. Co.
Rochester, N.Y., U.S.A.

Persons addressing advertisers will kindly mention having seen their advertisement in The Canadian Hardware and Metal Merchant.

Standard Paint & Varnish Works. Limited
Makers of High Grade Varnishes, Japans, Paints, Colors & Enamels.
Windsor, Ont.

STEVENS ALL STEEL TOOLS

— ARE —

STANDARD FOR QUALITY.

Your stock is not complete without a full line of our **Rifles, Shotguns, Pistols, Tools and Victor Bicycles.**

Handled by the Leading Jobbers.

J. Stevens Arms & Tool Co., P.O. Box 217 **Chicopee Falls, Mass., U.S.A.**

CELEBRATED **HEINISCH** SHEARS.

Tailors' Shears, Trimmers, Scissors, Tinners' Snips, etc.



ACKNOWLEDGED THE BEST.

R. HEINISCH'S SONS CO. NEW YORK OFFICE, 90 Chambers St. NEWARK, N.J., U.S.A.

Not connected with any Shear Combination.



Ontario Nut Works, Paris

BROWN & CO.

Manufacturers of

All sizes of Hot Pressed Nuts, Square and Hexagon.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker,

13 St. John Street, Montreal

Representing British and American Manufacturers. Correspondence invited from firms wishing to be represented in Canada.

"THE EMLYN" SAW BENCH

Made in 6 sizes. Best value obtainable. Specially designed for export. With or without "Emlyn" Patent Guard. Sole maker—

CHARLES D. PHILLIPS,

Cables—"Machinery," Newport. Emlyn Engineering Works, NEWPORT, MON., ENGLAND.

ONTARIO SILVER CO.,

Limited,

NIAGARA FALLS, CANADA.

Manufacturers of **FLATWARE, CUTLERY and ELECTRO PLATE. . . .**

Ask for our Catalogue and Quotations.

THE OAKVILLE BASKET CO.,



Manufacturers of

1, 2, 3 Bushel

Grain

AND

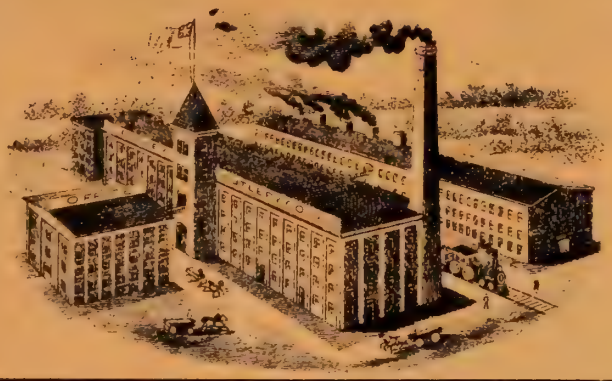
Root

BASKETS

THE OAKVILLE BASKET CO.

OUR LARGE NEW FACTORY

WHERE



Shears, Scissors, Razors, Butcher Knives and other Cutlery are made by

BAILEY CUTLERY CO., Limited

BRANTFORD, ONT.

Write for catalogue and prices.

CHAS. F. CLARK, President. **JARED CHITTENDEN, Treasurer.**

...ESTABLISHED 1849...

BRADSTREET'S

Capital and Surplus, $1,500,000. **Offices Throughout the Civilized World.**

Executive Offices: Nos. 346 and 348 Broadway, New York City, U.S.A.

THE BRADSTREET COMPANY gathers information that reflects the financial condition and the controlling circumstances of every seeker of mercantile credit. Its business may be defined as of the merchants, by the merchants, for the merchants. In procuring, verifying and promulgating information, no effort is spared, and no reasonable expense considered too great, that the results may justify its claim as an authority on all matters affecting commercial affairs and mercantile credit. Its offices and connections have been steadily extended, and it furnishes information concerning mercantile persons throughout the civilized world.

Subscriptions are based on the service furnished, and are available only by reputable wholesale, jobbing and manufacturing concerns, and by responsible and worthy financial, fiduciary and business corporations. Specific terms may be obtained by addressing the Company at any of its offices. **Correspondence Invited.**

——OFFICES IN CANADA——

HALIFAX, N.S.	HAMILTON, ONT.	LONDON, ONT.	MONTREAL, QUE.
OTTAWA, ONT.	QUEBEC, QUE.	ST. JOHN, N.B.	TORONTO, ONT.
VANCOUVER, B.C.	VICTORIA, B.C.	WINNIPEG, MAN.	

THOS. C. IRVING, Gen. Man. Western Canada, Toronto. JOHN A. FULTON, Gen. Man. Eastern Canada, Montreal.



Established 1832. Cable Address, "BLISS."

MANUFACTURERS

Wood Turnings, Hand Bench and other Screws Mallets, Handles, Vises Clamps, Tool Chests Croquet, Lithographs Wood Toys, Novelties

and also the celebrated

Wood's Patent Car Gate

For Street and Steam Railroad Cars.

The R. BLISS MFG. CO.

Pawtucket, R.I., U.S.A.

Canadian Representative: ALEXANDER GIBB, 13 St. John St., MONTREAL.

75 YEARS. ESTABLISHED 1825. 75 YEARS

BEAMS CHANNELS ANGLES PLATES

1,500 TONS FOR SALE

All of this material in lengths from 40 to 60 feet.
We can ship promptly, and should be pleased to receive your order.
Prices and stock lists on application.

STEEL FRAME BUILDINGS and ROOF TRUSSES.

Also Steel Bridges for Railways and Highways.

THE HAMILTON BRIDGE WORKS COMPANY LIMITED

Long Distance Telephone, Hamilton 630. **HAMILTON, CANADA.**

Est. 1865 — Inc. 1895

Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve Medals

Awarded
By **JURORS** at
International Expositions
Special Prize
Gold Medal at Atlanta, 1895

RUBBER HOSE

FOR

Water	Air	Suction
Steam	Acids	Fire Protection
Gas	Brewers	Pneumatic Tools

SUPERIOR IN QUALITY.
SATISFACTORY IN SERVICE.

When you want anything made of rubber, write to us.

THE GUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

Head Office and Warerooms—
45-47-49 West Front St.

TORONTO,

Factories—115-165 West Lodge Ave.
124-148 O'Hara Ave.

CANADA.

CASTOR OIL

BRITISH MANUFACTURED.

We have a full stock of

Pharmaceutical
First Pressure
Second Pressure

In Barrels and Cases.

Prices from stock and to import on application.

B. & S. H. THOMPSON & CO.

LIMITED

53 St. Sulpice Street,

MONTREAL.

VARNISHES AND JAPANS

McCASKILL, DOUGALL & CO.

Manufacturers — MONTREAL



Standard Railway and Carriage Varnishes
Standard Boat and Spar Varnishes
—Wont turn white from the effects of water and sun.
Standard Piano, Furniture and Decorative Varnishes
Zanzerine Transparent Wood Finishes and Varnishes
Architectural Varnishes

OFFICES:

161 Summer St., BOSTON, Mass., U.S.A.
30 St. John St., MONTREAL.

The Best Value for all Machinery Bearings,
LANGWELL'S BABBIT
MONTREAL.

CANADIAN
HARDWARE
AND METAL MERCHANT

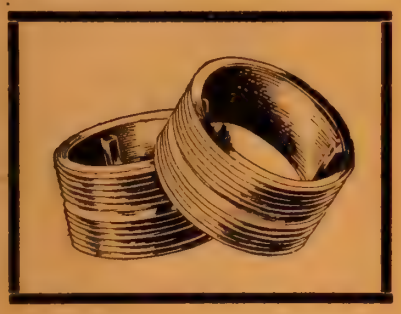
The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XIV. MONTREAL AND TORONTO, JUNE 14, 1902 NO. 24.

ANVILS BITS
HENRY BOKER
MANUFACTURER OF
ARROW BRAND
REGISTERED TRADE MARK
HARDWARE
SPECIALITIES OF ALL DESCRIPTIONS
PLIERS VICES
For Sale by Leading Wholesale Hardware Houses.

Canadian Branch:
JOHN LYSAGHT, Limited,
509-512 Merchants Bank Building,
MONTREAL, QUE.
A. C. LESLIE & CO., Managers.

"That Made the Hit"



This is a drawing of the Patent Connection that made the "SAFFORD" famous the world over; that revolutionized radiator building; that made it possible to put a radiator together without bolts, red lead, rods or packing.

The "SAFFORD" is the only radiator on the market for hot-water and steam heating. It means satisfaction every time—is easy to handle for the contractor.

If you have not our Catalogue, write to us.

THE DOMINION RADIATOR CO., Limited
Head Office and Works: DUFFERIN ST. TORONTO, CAN.

GARDEN
—VASES
—BENCHES
—BARROWS
—HOSE

RICE LEWIS & SON
LIMITED
Write for Prices. —TORONTO.

COTTON WASTE

WHITE COLORED

Prompt shipment. Prices right.

M. & L. SAMUEL, BENJAMIN & CO.
27 Wellington St. West, —TORONTO, ONT.
English House: SAMUEL, SONS & BENJAMIN, 164 Fenchurch St., LONDON, E.C.

James Cartland & Son

Manufacturers of every description of **Limited**

CABINET, BUILDERS', FURNISHING AND NAVAL BRASSFOUNDRY

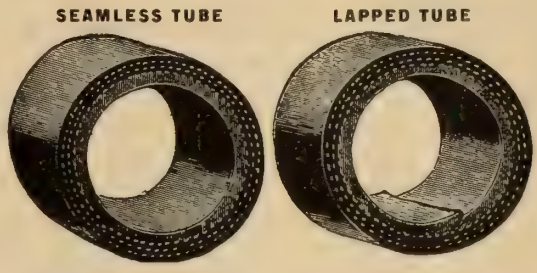
BIRMINGHAM, ENGLAND.



London Showrooms: 57 Holborn Viaduct, E.C.

GARDEN HOSE

Seamless Tube



All brands of our **GARDEN HOSE** are made with our

Patent Seamless Tube

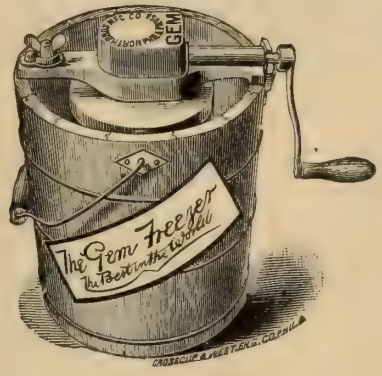
WRITE FOR DISCOUNTS.

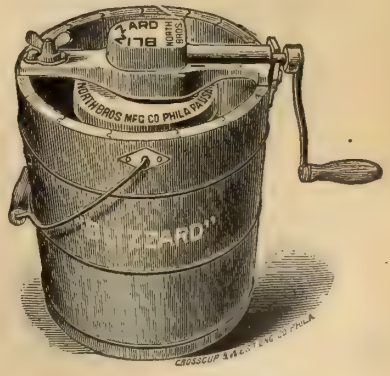
The Canadian Rubber Co.

MONTREAL **TORONTO** **WINNIPEG**

Lightning, Gem Blizzard . . . FREEZERS







ARE

Well Advertised.
In Demand.
Easily Sold.
Satisfactory in Use.
Of Known Reputation.

HAVE

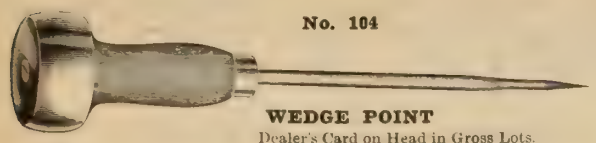
Cedar Pails with Electric Welded Wire Hoops.
Cans of Heavy Tin with Drawn Steel Bottoms.
AUTOMATIC Twin Scrapers.
"The Ice Cream Freezer Book" tells all about these and our other Freezers, mailed free.

EXCEL IN

Easy Running.
Quick Freezing.
Economy.
Convenience.
Practical Results.

North Bros. Mfg. Co., Philadelphia, Pa., U.S.A.

1/3 SIZE.



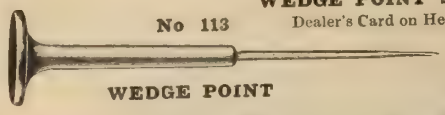
No. 104

WEDGE POINT
Dealer's Card on Head in Gross Lots.



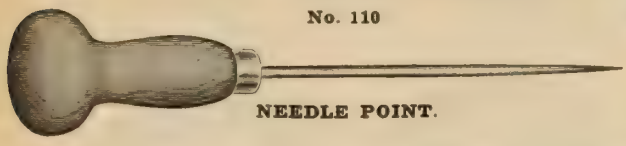
No. 112

WEDGE POINT SPRING PICK.
Dealer's Card on Head in Gross Lots.



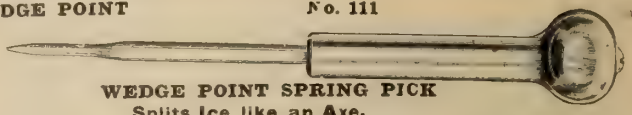
No 113

WEDGE POINT



No. 110

NEEDLE POINT.



No. 111

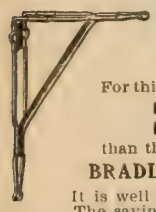
WEDGE POINT SPRING PICK
Splits Ice like an Axe.

WALKER'S QUICK AND EASY ICE PICKS.

ANTI-RUST NICKEL-PLATED.

Steel Tempered; will not Bend, Break or Rust

ERIE SPECIALTY CO., Erie, Pa., U.S.A.

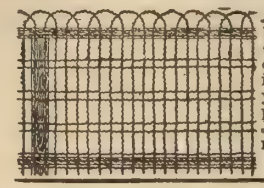


Will Hold Up a Shelf!

That's what a shelf bracket is for.
For this purpose there can be
NOTHING BETTER
NOTHING CHEAPER
than the . . . .
BRADLEY STEEL SHELF BRACKET
It is well **Japanned, Strong** and **Light,** The saving in freight is a good profit, aside from the **lower price** at which the goods are sold

☞ Order direct or through your jobber.

ATLAS MFG. CO., New Haven, Conn., U.S.A.



Page Metal Ornamental Fence. We now make fence that is ornamental, very showy and surprisingly cheap. It is just what is wanted for door yards, division fences in town lots, grave yards, orchards, etc. It is painted and retails at only **20 cts. PER RUNNING FOOT.** Just think of it. Let us send you full particulars. We also make farm fence, poultry netting, nails and staples.

The Page Wire Fence Co., Limited, Walkerville, Ont. 8

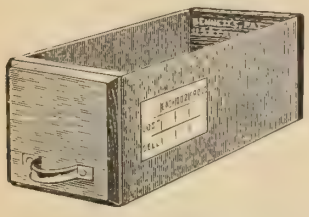
GALVANIZING

Our plant is modern, and capacity large. Prices O.K. Other branches:

WINDMILLS, PUMPS, TANKS, FOUNDRY WORK, ETC., ETC.

Ontario Wind Engine & Pump Co., Limited, 505 Atlantic Ave., Toronto.

More Bennett's Patent Shelf Boxes.



The best testimonals are second orders.

"Chicoutimi, P.Q., May 24th, 1902—Please send us 212 more shelf boxes like the last.—Cote, Boivin & Co."

Write for prices to **J. S. BENNETT, TORONTO**

Stove Bricks.

We have them in every variety and at closest prices. Prompt shipment. Write for Catalogue.

JONES BROS., Bracondale, P.O., Ont.

Lace Leather

Send direct to us for the celebrated "NIAGARA" Brand Lace Leather, best produced in this country. Yellow and White in Sides or Cut Strings. Prices and Samples on application.

WOOD BROS.
Tanners of High-Class Leathers,
ST. CATHARINES, ONT

BISHOP & CO.

Established 1850.

27 and 28 Little Trinity Lane, - LONDON, ENG.

54 Scotland St., SHEFFIELD — Table Cutlery, all qualities.

23 Vittoria St., BIRMINGHAM — Wrought Steel Pots, round or oval. Tinned inside or enamelled.

Samples on view at the following Agencies:—

Alex. Thurber, 446 St. Paul St., - - MONTREAL.
E. Fielding, 34 Yonge St., - - TORONTO.
E. L. Denoncourt, 74 St. Joseph St., - QUEBEC.

WIRE ROPE

Wire Rope. OF

GREENING

All Kinds and Sizes AND FOR All Purposes.

PRICES RIGHT. PROMPT SHIPMENTS.

The B. GREENING WIRE CO., Limited

Hamilton, Ont. Montreal, Que.

THE ZANZIBAR PAINT CO., LIMITED

TORONTO

Sole Manfrs.

ZANZIBAR HOUSE PAINTS.

Strong Colors, Durable Gloss, Uniform and Smooth.

ZANZIBAR FLOOR PAINTS.

Easily Spread, Elastic and Durable—Dry Quickly and Hard.

ZANZIBAR ROOF AND BARN PAINTS.

Low Priced, Smooth Body, Weather-Proof.

Zanzibar Shingle Stains contain no anilines, but best pigments—Permanent Colors, Strong Preservative.

NOTE:—We're a strictly Canadian house, buying all we can in Canada, quality being equal, and we will appreciate your patronage or an opportunity to tell you more about ourselves and our goods.

A GOOD HANGER IS HALF THE LIFE OF THE DOOR.

HANG IT !

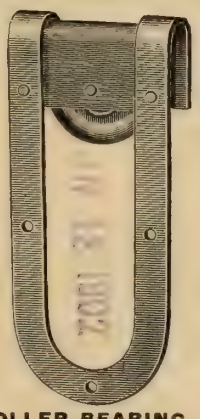
WITH ANY OF OUR POPULAR STYLES OF

Barn Door Hangers

They are all practical, all good sellers, it being only a matter of choice with your customer.



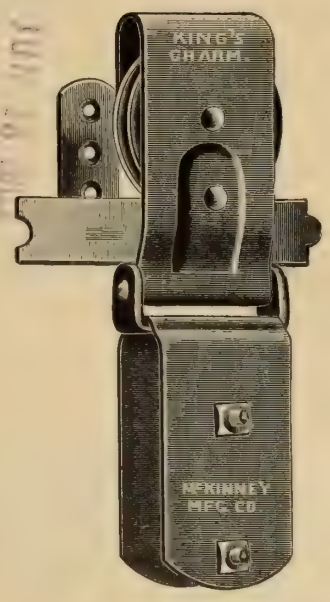
LANE'S.

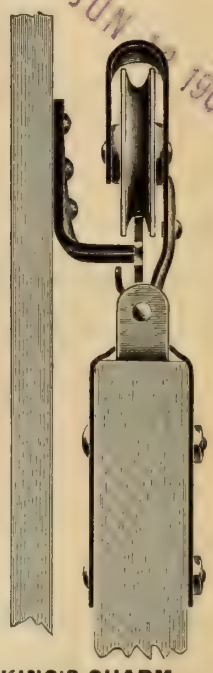


ROLLER BEARING.

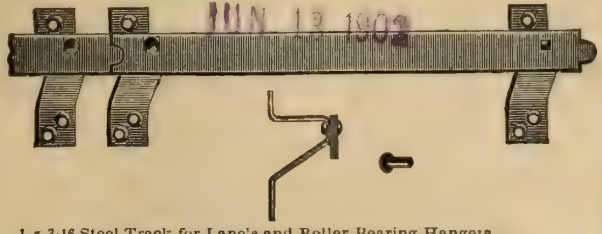
Lane's	No.	11	11½	12 (heavy)	13
	Slides, feet	5	10	10	15
Roller Bearing	No.			1	2
	Wheel, inches			3½	4

King's Charm—Heavy and well made, the hinge joint allows the door to swing in or out to any desired angle.



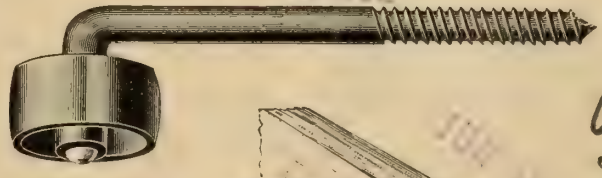


KING'S CHARM.

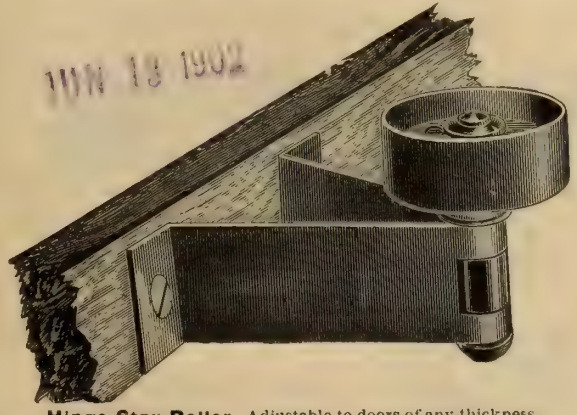


1 x 3/16 Steel Track for Lane's and Roller Bearing Hangers, in 4, 5, 6, 8 and 10-ft. lengths.

King's Charm Track, 1¼ x 1¼ in., in 4, 6, 8 and 10-ft lengths.

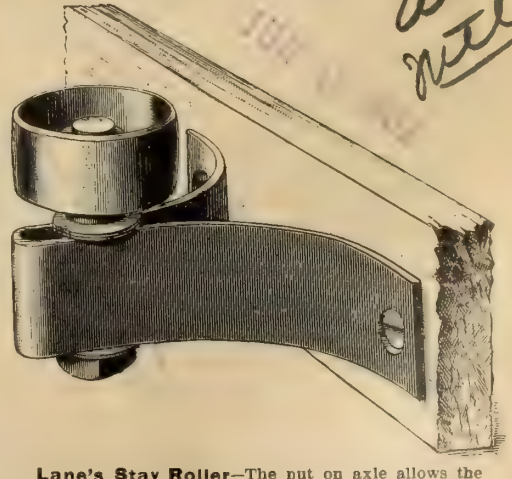


No. 2—Stay Roller, extra heavy, with screw end.



Hinge Stay Roller—Adjustable to doors of any thickness.

PERFECT EQUIPMENT for making QUICK SHIPMENT



Lane's Stay Roller—The nut on axle allows the roller to be adjusted to doors of any thickness.

Toronto: 87 York St.

LEWIS BROS. & CO.

Ottawa: 54 Queen St.

MONTREAL.

HENRY ROGERS, SONS & CO.,

SHEFFIELD, ENGLAND

Manufacturers of the celebrated



H R S&C°

Barb and Plain Galvanized Wire

—AND—

Vulcan and Forth Firebricks.

For Sale on Wharf - - MONTREAL.

Canadian Office:

6 ST. SACRAMENT ST., MONTREAL

F. A. YORK, Manager.

STANDARD TIN WORKS

MANUFACTURERS OF

TINWARE AND TIN CANS

Fruit Cans, Meat Cans,
Jacketed Oil Cans,
Baking Powder Cans,
Lard Pails, Etc.

JAS. A. McGOLPIN

156-162 Duke Street, TORONTO.

KNOX HENRY

Heavy Hardware and Metal Broker
Room 32 Canada Life Bldg., MONTREAL.



Samples sent free on application.

HORSE NAILS—"C" Brand Horse-Nails
Canada Horse Nail Co.

"BRASSITE" GOODS — Gunn Castor Co. Limited, Birmingham, Eng.

THE ALABASTINE CO., Limited, PARIS, ONT.

Are still doing business at the old stand, manufacturing and selling **Land** and **Calcined Plaster**; **Paristone**—the best Cement Wall Plaster; Church's **Bug Finish** that kills Potato Bugs with one application; and **best of all**

ALABASTINE

so well and favorably known "The World Over." The Wall Coating that has proof of origin, and sells on its own merits. No substitute or imitation about ALABASTINE; it is the original product, made adapted for use in Cold Water by the inventor, Mr. M. B. Church, the first and only person who ever developed a practical Cold Water compound with Calcined Gypsum as a base.

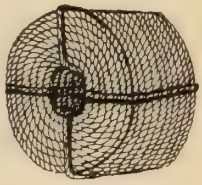
ALABASTINE is patented in Canada and other Countries. Our patents, like our goods, are genuine, and practical for making a wall coating in the manner perscribed. **Facts are indeed stubborn things.**

—The Trade supplied by—

Sanderson Pearcy & Co., Toronto, Ont.
Wood, Vallance & Co., Hamilton, Ont.
Hobbs Hardware Co., London, Ont.
Vancouver Hardware Co., Vancouver, B C.
William Hill, Montreal, P.Q.
W. H. Thorne & Co., St. John, N.B.
G. F. Stephens & Co., Winnipeg, Man.
Miller, Morse & Co., Winnipeg, Man.

THE INDEPENDENT CORDAGE CO., Limited,

TORONTO.



Highest Award Pan-American Exposition.

MANUFACTURERS OF ALL KINDS OF

SISAL MANILA **ROPE,** Lath Yarn, Shingle Yarn, Hide Cord, Pulp Cord, Clothes Lines **BINDER TWINE**

Transmission Rope a Specialty.

THE BATTY STOVE & HARDWARE CO.

. . . Successors to . . .

The Toronto Branch of THE COPP BROS. CO., Limited.

—WHOLESALE DEALERS IN—

Mantels, Grates, Tiles, etc. Coal Grates. Gas Grates. Gas Logs.

HOT-AIR REGISTERS A SPECIALTY.

Stove repairs for the Copp Bros'. make of Stoves and Furnaces.

New Address—76 York St., TORONTO.

FREE INSURANCE AGAINST FIRE

PLASBESTER

AGENTS WANTED IN EVERY TOWN.

the BEST ASBESTOS WALL PLASTER

Fire Proof
Frost "
Sound "
Will not crack.

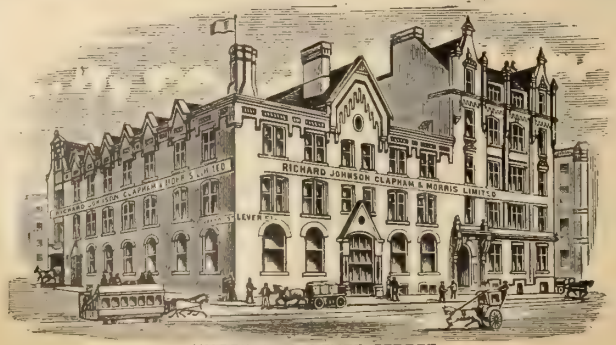
RICHARD JOHNSON, CLAPHAM & MORRIS, Ld., Manchester AND LIVERPOOL, ENG.

CABLE ADDRESS—"Metallicus," Manchester.
CODES USED—ABC, AI, Liebers and Private Code.

Manufacturers and Metal Merchants

GALV'D SHEETS
GALV'D CANADAS
BLACK SHEET IRON
BLACK CANADAS
Range & Furnace SHEETS

TINPLATES, TERNES
TINNED SHEETS
PIG TIN, PIG LEAD
WIRE NETTING
GALV'D BARB WIRE



WAREHOUSE LEVER STREET

MONTREAL OFFICE:
Messrs. Copland & Co., Imperial Buildings.

HALIFAX OFFICE:
Messrs. Grant, Oxley & Co., 68 Bedford Row.

There is large profit to the enterprising dealer if he handles

Indeliblo Cold Water Paint

Weatherproof Fireproof Sanitary

(Copy)

ARMOUR & COMPANY,
GENERAL OFFICES, 205 LA SALLE STREET
CHICAGO, ILLINOIS.

Purchase Department.

THE MURALO COMPANY,
New Brighton, New York. DECEMBER 21st, 1901.

GENTLEMEN :—

Referring to your favor of recent date, beg to say that we have used large quantities of Indeliblo Fireproof Paint, and are pleased to say that it gives very good satisfaction.

We are now painting the inside of our new Lard Refinery, a building five-stories high, 380 feet long by 85 feet deep.

We have just finished painting the interior of the Chipping Platforms of our new Ice House at Round Lake, a building 400 feet long, by 40 feet high, by 60 feet wide.

Heretofore we have used whitewash, but find your Indeliblo gives much better satisfaction, and adheres to the finish a great deal better than any whitewash we have ever used.

In our Felt Works, which burned down a few years ago, the interior was painted with Indeliblo, and the windows were glazed with Wire-Ribbed Glass. The Wire Glass held the fire intact for two hours, and the timbers that were painted with Indeliblo were simply charred and not burned through.

We think it a first-class paint for factories, and will give satisfactory service to those using it. We are using it throughout our entire works.

Yours truly, ARMOUR & COMPANY.

D. J. SIMPSON, Purchasing Agent.

COLOR CARDS AND FURTHER INFORMATION CHEERFULLY FURNISHED BY THE MANUFACTURERS, OR THE TRADE SUPPLIED BY

A. Ramsay & Son, - - - Montreal
J. H. Ashdown Hardware Co., Limited, Winnipeg
McLennan, McFeely & Co., - Vancouver

The Demand for our

IMPERIAL OXFORD

Kitchen Range increases daily.

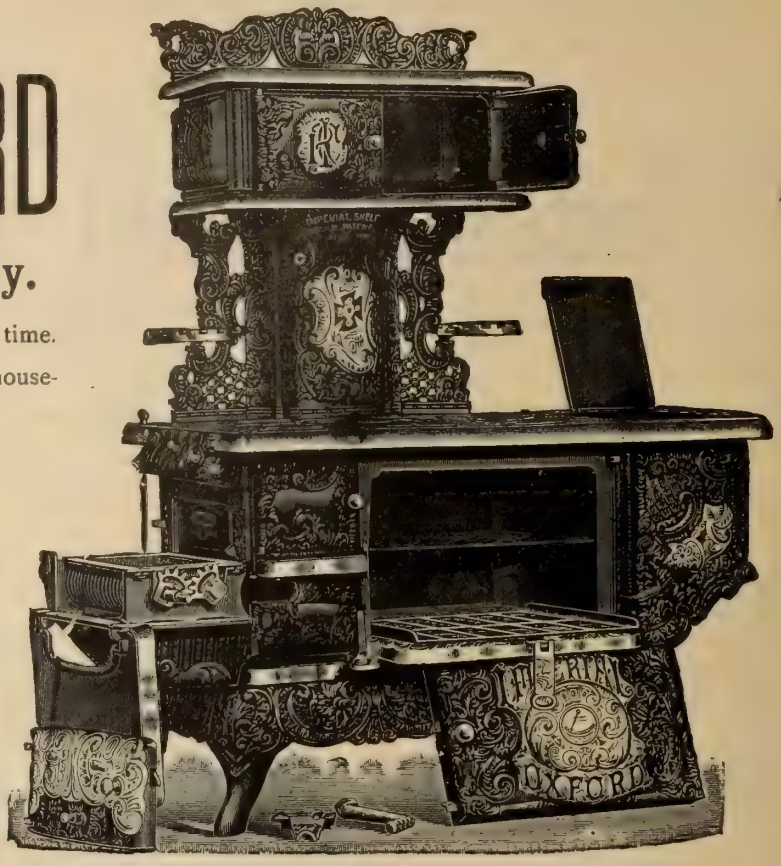
We are kept busy all year round trying to fill orders on time.

Every one sold causes other sales, so enthusiastic are householders over its improved features.

ITS EASE OF REGULATION
ECONOMY IN USING FUEL
ITS DIFFUSIVE FLUE CONSTRUCTION
FRONT DRAW-OUT GRATE
OVEN THERMOMETER
DRAW-OUT OVEN RACK

and other conveniences, give it a superiority quickly appreciated.

You're sure of speedy sales when handling the Imperial Oxford. Write us for full information and price list if you have none in stock.



THE GURNEY FOUNDRY CO., Limited

TORONTO. WINNIPEG. VANCOUVER.

THE GURNEY-MASSEY CO., LIMITED, MONTREAL.

What do you require in the way of

CANS?

We manufacture the very best quality of

Paint and Color Cans, round and square.
Varnish and Oil Cans. Paint Irons
Paint Packages. Lye Tins.

and every description of Tin or Can required by the trade. We shall be pleased to send you quotations for anything you need in our line.

The Acme Can Works,

OFFICE AND FACTORY:

Ontario St. and Jeanne D'Arc Ave.,

MONTREAL.

JAS. B. CAMPBELL. WILLIAM PRATT.

CANADA FOUNDRY CO. LIMITED.

WE LEAD

IN THE MANUFACTURE OF:

Cold Pressed Nuts,
Square and Hexagon,
Finished and Semi-Finished,
Cap Screws,
Set Screws,
Thumb Screws, Bolts,
Special Milled Work, etc.

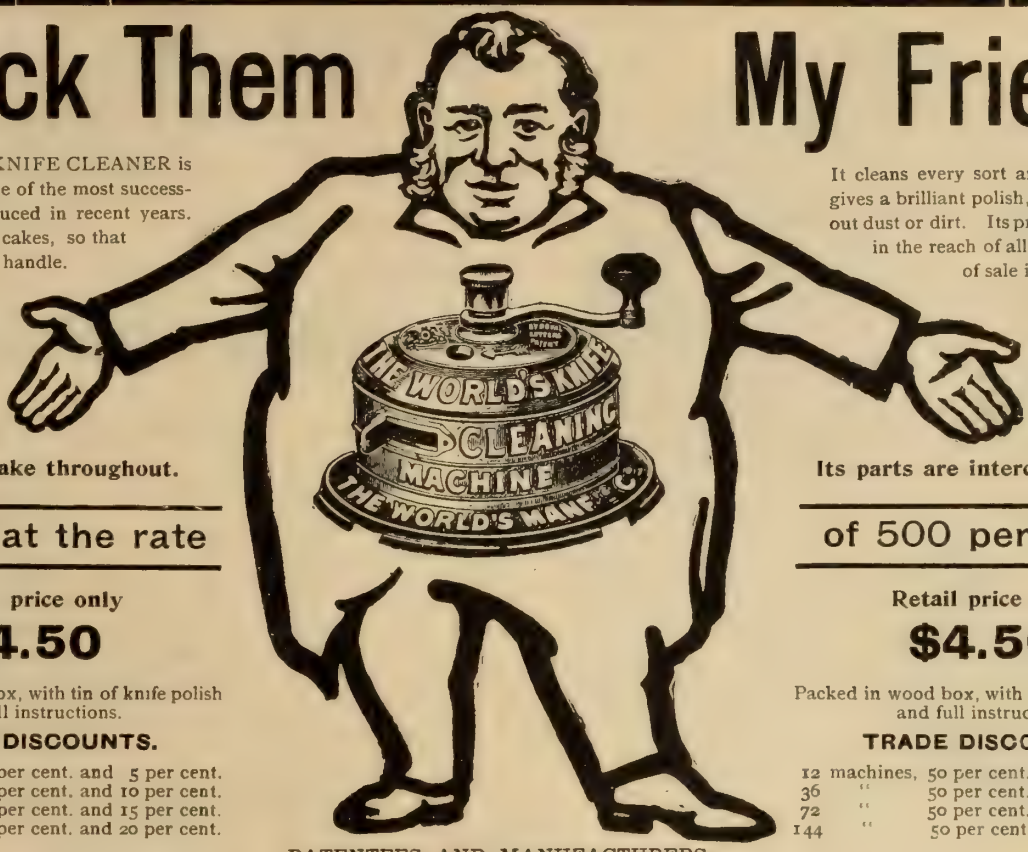
CANADA FOUNDRY COMPANY.
LIMITED.

14-16 King St. East, TORONTO.

Stock Them My Friend.

The WORLD'S KNIFE CLEANER is unquestionably one of the most successful articles introduced in recent years. It's going like hot cakes, so that now is the time to handle.

It cleans every sort and size of knife, gives a brilliant polish, and works without dust or dirt. Its price brings it within the reach of all. The possibility of sale is, therefore, only limited by the number of your customers.



English make throughout.

Its parts are interchangeable.

Cleans at the rate

of 500 per hour.

Retail price only

$4.50

Packed in wood box, with tin of knife polish and full instructions.

TRADE DISCOUNTS.

12	machines,	50 per cent. and 5 per cent.
36	"	50 per cent. and 10 per cent.
72	"	50 per cent. and 15 per cent.
144	"	50 per cent. and 20 per cent.

Retail price only

$4.50

Packed in wood box, with tin of knife polish and full instructions.

TRADE DISCOUNTS.

12	machines,	50 per cent. and 5 per cent.
36	"	50 per cent. and 10 per cent.
72	"	50 per cent. and 15 per cent.
144	"	50 per cent. and 20 per cent.

PATENTEES AND MANUFACTURERS,

THE WORLD'S MANUFACTURING CO., 66-68 (Offices No. 68) Victoria S., London S.W., Eng.

BRISK BUSINESS BUILDERS.

Seybold's **500** Axes, Hand Made

Once Used, Always Used. Money-Makers for the Retailer.

Seybold's **GOLDEN STAR** Cross Cut Saws

Good Quality. Medium Priced. Sure Sellers.

Seybold's **KEARNEY & FOOTE** Files

Mechanics' and Lumbermen's Favorite File Sell the Best.

Write us or use our Long Distance Telephone.

428 St. Paul St., MONTREAL **The SEYBOLD & SONS CO.,** 22 D'Youville Sq., MONTREAL



To Whom it May Concern :

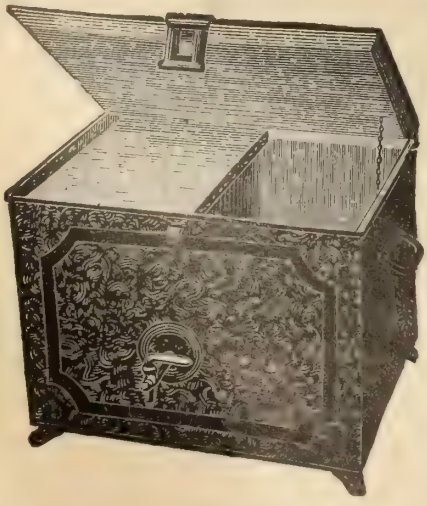
The Canada Paint Company, Limited, beg to advise the trade that the words and device,

KING EDWARD

brand, as applied to White Lead, Colors, Paints and Varnishes, has been registered as a Trade Mark by this company in the Department of Agriculture at Ottawa, and the public is hereby respectfully cautioned against any infringement of the same.

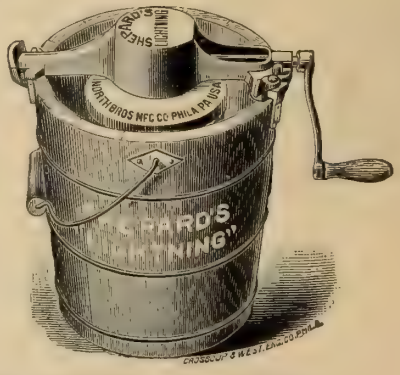
THE CANADA PAINT COMPANY,
Limited,
MONTREAL and TORONTO.

Seasonable Goods



Novelty Refrigerators and Water Coolers Combined . .

An article of utility.
Preserves meats and other articles of food as well as any refrigerator made.
Consumes but a small quantity of ice.
Has Nickel-Plated Faucet attached to Ice Chest, and will supply ice water if required without using an extra quantity of ice.
Substantially made of galvanized iron, and finished in oak.
Low in price and inexpensive in operation. Within the reach of everybody.



Ice Cream Freezers

"LIGHTNING" and "BLIZZARD"
Equal to the Best. None Better.

A FULL LINE CARRIED IN STOCK.

We Will be Pleased to Quote You.

KEMP MANUFACTURING CO., TORONTO, CANADA.

HARDWARE AND METAL

VOL. XIV. MONTREAL AND TORONTO, JUNE 14, 1902. NO. 24.

President:
JOHN BAYNE MacLEAN,
Montreal.

The MacLean Publishing Co.
Limited

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P.E. Island and Newfoundland.

OFFICES.

MONTREAL - - - 232 McGill Street. Telephone 1255.
TORONTO - - - 10 Front Street East. Telephones 2701 and 2702.
LONDON, ENG. - - 109 Fleet Street, E.C. W. H, Miln.
MANCHESTER, ENG. - - 18 St. Ann Street. H S. Ashburner.
WINNIPEG - - - Western Canada Block. J. J. Roberts,
VANCOUVER, B.C. - - - Flack Block. J. A. Macdonald.
ST. JOHN, N.B. - - No. 3 Market Wharf. J. Hunter White.
NEW YORK - Room 443 New York Life Bldg.

Subscription, Canada and United States, $2.00.
Great Britain and elsewhere - - 12s.

Published every Saturday.

Cable Address { Adscript, London. / Adscript, Canada.

WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

STORAGE AND SALE OF POWDER.

A NEW by-law has just been drawn up in Montreal intended to regulate the storage and sale of explosives. This will likely be presented before the city council shortly after the holidays, to be discussed, and, if right, adopted.

An interesting clause is that dealing with the storage of powder, in which it is stated that powder must be kept in iron carts, so that in the event of fire breaking out in the building it could be quickly wheeled into the street and out of danger by the firemen. With this end in view, the fire department must be informed as to where the powder is kept in the stores. An official will be appointed whose duty will be to keep watch over all places where there are any explosives stored.

The suggestion in regard to the storing of powder in carts is ingenious and sensible, and if adopted by those who handle explosives in other places as well might some time be found of practical value to themselves. The danger in storing powder in a place where it would be impossible or, at least, very difficult to remove it in case of fire is certainly great. It is surprising that more attention has not been given to the subject by both civic authorities and dealers in such goods, and that better means have not been devised for the protection of life and property, a great loss of which could hardly be prevented from following such an explosion.

GOOD TRADE SIGNS.

The bank clearing returns for the Dominion are of a most reassuring character, showing, as they do, an active business in the country. During May the total clearings were $212,593,555, against $169,651,783 the same month last year. This means that the clearings during May were 25.3 per cent. in excess of the same month last year, while for the five-month period they show an increase of 28.2 per cent.

As our readers are well aware, the bank clearing returns are one of the most reliable of our trade barometers.

It is also satisfactory to note that the failures in May were more satisfactory than for the same month a year ago, there being 20 per cent. less and the liabilities 37 per cent. smaller.

THE SECRET OF SUCCESS.

THE man who is to-day probably more in the public eye than any other is Lord Kitchener, who, as Commander-in-Chief of the British forces in South Africa, has brought about the much-desired peace.

The success of this man is due not to what might be termed genius. His predominating characteristic is common sense, backed up by a determined will which no obstacles can thwart. As a result of this common sense of his, Lord Kitchener is a determined opponent of red-tapeism, and he follows no set rule, but acts as emergencies demand.

A London journal a few days ago, in an article on this successful Commander-in-Chief in South Africa, said: "His usefulness lays in the faculty possessed in a remarkable degree of bringing an open mind unbiased by pre-conceived notions to the human problem before him. He will use the iron hand or the velvet glove exactly as the occasion requires. He was a Dervish to the Dervishes; he was a Frenchman to Major Marchand, and a Boer to the Boers."

Although a military man, Lord Kitchener has really been successful because he has employed what are practically business methods during the whole of his career.

A business man to be successful cannot afford to be prejudiced, neither can he allow himself to be influenced by traditions or by methods which might have been successfully employed by his father or grandfather. He must have the faculty of being able to act as emergencies demand. This is what Lord Kitchener did. And this is what business men do who are successful in their particular sphere.

THE IRON AND STEEL SITUATION.

THE iron and steel situation on this continent continues strong. The strike of the furnace men in the Mahoning and Shenango Valleys, to which reference was made last week, has been settled and the men are returning to work. There are thirty-three furnaces in the two valleys, and of these more than one-half were closed down on account of the strike. Although so many of these furnaces are again starting up, the price of pig iron in the United States is by no means any easier. On the contrary, the changes that have taken place during the past week have been in an upward direction, and there is still considerable scarcity. It is said that more business has already been done in the United States in pig iron for next year than has been done up to October first in any previous year, while some furnaces, it is claimed, are oversold for the balance of the year.

In Canada the demand still exceeds the supply, and, while quotations are $21 for No. 1 and $20.50 for No. 2 foundry iron on track Toronto, premiums on these figures are being paid in order to get delivery. It is claimed by the furnace men that even at these prices they are not making money on account of the high cost of wages, material and other incidental charges. As to what truth there is in this, however, we cannot say.

The scarcity of the pig iron in Canada is not because there is not the furnace capacity in the country; it is because the makers have not been able to secure the fuel in sufficient quantities to keep the furnaces going, it having been necessary to bank them down from time to time on account of the shortage in this particular. The shortage in the supply of fuel in turn was caused by the inability of the furnace men to get sufficient transportation to bring on the necessary coke. However, there is some improvement in this respect now, although it is said one railway, the Grand Trunk, is some 4,000 cars short, and has been unable to secure these because of the difficulty of getting pig iron from which to manufacture the wheels.

Advices from Connellsville say that the coke production in that district during the first week in June eclipsed all previous records, being nearly 250,000 tons. The same despatch also said that within the last month hundreds of new steel cars had been turned out of the shops.

It is evident, therefore, that the railways are getting into a better position to carry the necessary fuel to the furnaces. While this will relieve the pig iron situation to some extent, it must be remembered that there are still a number of small foundries in the United States which have not placed their orders ahead for pig iron, the chief purchasers who have anticipated their wants being the large consumers. This will obviously tend to keep prices steady for some time to come.

In Great Britain the demand for iron and steel on United States account has kept the prices up on these lines, and at present the market there rules steady.

A WARNING NOTE FROM BANKERS.

THE general tone of the 84th annual meeting of the Bank of Montreal, held on June 2, 1902, was decidedly optimistic. Both the general manager, Mr. E. S. Clouston, and the Hon. George A. Drummond, chairman of the meeting, referred to the numerous features in Canadian industrial life, which seemed to portend great things for the future of the country. The marked increase in foreign trade, the development of home manufactories, the activity in the carrying trade, the increased immigration, were all made subjects of gratulation.

However, both these gentlemen sounded a note of warning, which finds visible expression in probably the most significant portion of the bank's statement for the past year. While circulation and deposits show a healthy increase, and the general business of the bank is in excellent condition, it is worthy of note that the rest has been increased by $1,000,000. As an act of prudence under existing circumstances this increase is commendable. Reference was made by Mr. Clouston to the dangers of excessive speculation, which at present seems to threaten Canadian stockholders, and he warned investors to look carefully into the intrinsic value of the securities they purchased. Mr. Drummond commented on the yet unknown effects of the present centralization of capital, which problem economic theory has not yet solved, and drew attention to the fact that four new banks had been incorporated. On the whole, caution seemed to be the watchword of the meeting.

STEEL RAIL TRADE IN CANADA.

MR. F. H. CLERGUE, commercial magnate of the "Soo," was in Toronto on May 10. The steel plant established there is now in active operation, turning out 500 tons of rails per day. This, after Monday next, will be increased to 600. The company during the present season will supply the Government with 35,000 tons of steel rails.

They have Canadian orders booked to the amount of 100,000 tons. They are not making any foreign shipments; the Canadian business will keep them busy for some time.

Mr. Clergue stated that the American ironmasters were underselling the Canadian market to the extent of $7 per ton in the hope of killing Canadian competition.

The Dominion last year imported 2,514,785 cwt. of steel rails, valued at $3 329.919, for use on steam railways. For the past 10 months of the present fiscal year the quantity imported was 1,764,404 cwt., and the value $1,993,790.

NON-PHOSPHORUS MATCHES.

The United States Consul at Brussels under date of May 5, writes: "In 1898, an international competition for a paste for matches not containing white sulphur was announced, and a prize of 50,000 francs ($9,650) was offered by the Belgian Government to the inventor. The commission appointed to judge results has now declared that, after four years of careful experiment and analysis, it has been found that none of the products so far submitted fill the required conditions, being defective in inflammability, igniting on all surfaces, or, in igniting, ejecting inflammable matter containing some poisonous substances. The sum already expended in the matter amounts to 8,178 francs ($1,578.35). This covers cost of printing, correspondence with foreign countries, purchase of material, analysis and experiments."

BANK OF MONTREAL.

ANNUAL GENERAL MEETING.

THE eighty fourth annual meeting of the shareholders of the Bank of Montreal was held in the board room of the institution at one o'clock on June 2.

There were present: Hon. George A. Drummond, Sir William C. Macdonald, Messrs. R. B. Angus, A. F. Gault, E. B. Greenshields, Alex. T. Paterson, R. G. Reid, James Ross, Hon. James O'Brien, G. F. C. Smith, Donald Macmaster, K.C., F. E. Meredith, K.C., H. Dobell, George R. Hooper, Henry Spragge, Thomas Irving, B. A. Boas, George Filer, C. M. Holt, C. J. Fleet, G. A. Greene, M. S. Lonergan, A. E. Ogilvie, Bartlett McLennan, M. S. Foley, A. T. Taylor, W. R. Miller, J. B. Learmont, W. J. Morrice, Alex. McArthur, Huntley Drummond, W. H. Evans and John Morrison.

On the motion of Mr. John Morrison, Hon. George A. Drummond, Vice-President, was unanimously voted to the chair, in the absence of the president, the Right Hon. Lord Strathcona and Mount Royal.

On the motion of Mr. B. A. Boas, seconded by Mr. H. Dobell, it was agreed: "That the following gentlemen be appointed to act as Scrutineers: Messrs. G. F. C. Smith and F. E. Meredith, K.C., and that Mr. James Aird be the secretary of the meeting."

DIRECTORS' REPORT.

The report of the Directors to the Shareholders at their 84th annual general meeting was then read by Mr. E. S. Clouston, general manager, as follows:

The Directors have pleasure in presenting the 84th annual report, showing the result of the Bank's business of the year ended 30th April, 1902.

Balance of Profit and Loss Account, 30th April, 1901		$ 764,703 19
Profits for the year ended 30th April, 1902, after deducting charges of management, and making full provision for all bad and doubtful debts		1,601,152 90
		$2,365,856 09
Dividend 5 p. c. paid 1st December, 1901	$600,000	
Dividend 5 p. c. payable 2nd June, 1902	600,000	
		1,200,000 00
Amount credited to Rest Account		1,000,000 00
Balance of Profit and Loss carried forward		$ 165,856 09

Since the last annual meeting a branch of the bank has been opened at Glace Bay, N.S., and suitable premises for its occupation are now being erected at that point.

The premises which were announced at the last annual meeting as in course of erection at Point St. Charles, are now completed, and occupied by the bank.

The head office and all the branches have passed through the usual inspection during the year.

STRATHCONA AND MOUNT ROYAL,
President.

Bank of Montreal, Head Office, 2nd June, 1902.

THE GENERAL MANAGER.

Mr. Clouston then said:—

There is nothing of unusual interest calling for comment in the statement we lay before you this year. It shows a steady increase in our business, and a corresponding increase in our profits. The following are the principal changes as compared with last year. Our circulation has increased $525,000, and the deposits $14,139,000, making our total deposits here and in other countries $86,825,633; quite a respectable amount, but still not large as compared to the deposits of banks with smaller capital in Great Britain and the United States. Our readily available assets have increased about $10,000,000, and our loans and discounts $4,360,000. The overdue debts, secured and unsecured, are $77,000 greater, but we believe that we have amply provided for any possible loss. The profits show an increase of $63,630, after paying all charges of management, all additions and repairs to our bank premises, and making provision for bad and doubtful debts. I think you will agree with me that the statement is a fairly satisfactory one.

Nor have I anything of importance to say on matters outside our own statement. Generally speaking, the past year has been a prosperous one for Canada, and so far the hand of the commercial barometer still stands at "fair." The revenues of the country are large; railway earnings are steadily increasing; farmers are prosperous; the outlook for lumber is improving, and the tide of immigration has set in with greater volume, insuring to Western Canada, and, indeed, to the whole country, more rapid progress in population and material prosperity. The natural resources of the country are being steadily developed; the output of coal is increasing; and it looks as if we were on the eve of important results in the iron and steel industry. There are indications also that the recent consolidation of Atlantic steamship lines by an American syndicate will compel Canada, in self defence, to take up the question of a fast Atlantic service, and if we wish to secure immigration, retain the traffic properly belonging to our own ports, and safeguard the interests of our commerce, we must see that the service, both passenger and freight, is second to none in speed and equipment. There have been exceptions, and some industries have not shared in the general prosperity, but these can, in most cases, be traced to undue competition and bad management. Mining in British Columbia is still highly unsatisfactory, and it may be some time yet before it recovers from the collapse of the last two or three years.

The stock exchanges of Canada have shown an activity unexampled in the history of the country, and though speculation has been rife, there has been a certain foundation for the advance in the quotations of securities, and it is not entirely the wild, reckless state of affairs that foreign critics profess to believe exists here. Still, there is danger of speculation being carried beyond legitimate bounds, and we have probably reached a point where investors and lenders would do well to look more closely into the intrinsic value of the securities they purchase or accept as collaterals.

If there are any questions relative to the business of the bank on which the

GENERAL STATEMENT, 30TH APRIL, 1902.

LIABILITIES.

Capital Stock		$ 12,000,000 00
Rest	$ 8,000,000 00	
Balance of Profits carried forward	165,856 09	
	$ 8,165,856 09	
Unclaimed dividends	2,670 01	
Half-yearly Dividend, payable 2nd June, 1902	600,000 00	
		8,768,426 10
		$20,768,526 10
Notes of the Bank in circulation	$ 7,007,321 00	
Deposits not bearing interest	22,899,086 32	
Deposits bearing interest	63,926,547 31	
Balance due to other Banks in Canada	69,172 53	
		93,902,127 16
		$114,670,653 26

ASSETS.

Gold and Silver coin current	$ 3,057,465 94	
Government demand notes	4,068,281 00	
Deposit with Dominion Government required by Act of Parliament for security of general bank note circulation	340,000 00	
Due by agencies of this bank and other banks in Great Britain	$ 3,101,578 15	
Due by agencies of this bank and other banks in foreign countries	1,945,483 83	
Call and short Loans in Great Britain and United States	29,220,983 00	
	34,268,044 98	
Dominion and Provincial Government Securities	819,860 36	
Railway and other Bonds, Debentures and Stocks	6,152,393 20	
Notes and cheques of other Banks	1,826,190 58	
		50,532,236 06
Bank Premises at Montreal and Branches		600,000 00
Current Loans and discounts in Canada and elsewhere (rebate interest reserved) and other assets	$63,211,068 94	
Debts secured by mortgage or otherwise	232,471 83	
Overdue debts not specially secured (loss provided for)	94,876 43	
		63,538,417 20
		$114,670,653 26

Bank of Montreal,
Montreal, 30th April, 1902.

E. S. CLOUSTON.
General Manager.

Shareholders wish explanation, I shall be pleased to answer them.

THE CHAIRMAN'S ADDRESS.

Hon. George A. Drummond then said :

Gentlemen,—The statements presented by Mr. Clouston will, no doubt, be received by you with satisfaction, showing, as they do, the prosperity and progress of the bank.

That it has made substantial progress you may gather from the figures periodically submitted to you.

In 1873, when the capital was raised to its present amount of $12,000,000, and the rest stood at $5,000,000, the assets were about $35,250,000.

In 1880 they were nearly 45 millions ($44,661,681).

In 1890 they were over 46 millions ($46,166,448).

In 1900 they were nearly 79 millions ($78,852,197).

And in the present year over 100 millions ($114,000,000).

The keen competition among banks necessitates a greatly enlarged business to maintain dividends, and the public gets its financial business done much more cheaply now than formerly.

The increase of our rest by one million of dollars will, no doubt, commend itself to your judgment as a prudent step, and should enhance the value of our property.

The large addition to our Head Office Building, now in progress, was rendered necessary by the inconvenient overcrowding of our present premises. The addition is on a considerable scale, and will, it is hoped, suffice for the wants of the bank for years to come. Large as it is, however, it is not more in advance of our present wants than our present structure was when erected to the conditions then existing.

The beautiful facade of our present building will not be impaired ; but the interior will be remodelled to adjust it to the new premises and make it fireproof.

The marked increase in the general banking business of the Dominion is an evidence of the prosperity of the country. Since April, 1897, the total assets of all the banks have increased from $243,400,000 to $448,300,000 ; the deposits alone having risen from $196,700,000 in the former year to $339,000,000, and the note circulation from $30,800,000 to $50,700,000.

The Bank of Montreal has fully shared in the great improvement in business above noted, the general increase in the public deposits in the last five years being equal to 72½ per cent., and that of our bank alone considerably exceeds 100 per cent.

The conservative course of your directors in continuing to strengthen the resources of the bank will, I am sure, meet with your approval, for while the general prosperity of the country shows no signs of abatement, it seems an undeniable proposition to say that bad times may be expected sooner or later.

In commercial matters generally nothing is so striking as the growth of the foreign commerce of the Dominion. In the first nine months of the current fiscal year, that is to March 31, the aggregate foreign trade has reached $302,500,000, as compared with $282,300,000 in the corresponding period of the preceding year, while only five years ago our foreign commerce for the entire period of 12 months barely reached $249,000,000, a figure which in the fiscal year ending this month will probably be exceeded by more than 50 per cent. This expansion covers both exports and imports.

The most gratifying feature of the trade returns is the increased sales abroad of Canadian products, which from 1st of July to 1st April amounted in value to $144,547,000, and for the full period of twelve months will probably exceed $190,000,000 ; whereas six years ago the value of our shipments was only $110,000,000.

Products of the soil still constitute much the largest portion of this trade, but it is satisfactory to note that in manufactures the increase is about 30 per cent., or, as $12,800,000 to $9,800,000 ; and I need scarcely refer to the enormous activity in the production of iron, steel, nickel, etc., to say nothing of the extraction of the precious metals, which for the present is under a cloud.

Meanwhile the carrying trade of the country has been in an unprecedented state of activity and prosperity ; the great railways are spending liberally on track improvements and rolling stock to meet the demands on them, and new trunk lines are under construction.

Immigration is increasing rapidly, and will have a favorable influence in every direction. Lands, especially in the Northwest, which have for years been in little demand, have latterly been actively sought for and taken up.

Turning to general conditions outside the Dominion, the immense aggregations of capital in the hands of corporations and individuals is bringing about economic results of the most startling character. The control of railway lines, the absorption of ocean transport, the consolidation of industries, all fly directly in the face of economic theories based on unlimited competition, and he would be bold who attempted to predict the outcome.

No fewer than four new banks were incorporated during the present session of Parliament.

Questions of vital importance to ourselves and the Empire are to be considered by the Imperial Government and the Premiers of the colonies, at the conference to be held in London ; its decisions will be watched with absorbing interest and involve momentous possibilities.

The present moment seems to be most favorable for securing an independent line of steamships to a Canadian port. They should in speed and equipment be equal to any afloat, and the prospects of financial success for the undertaking were never, in my opinion, so bright as now, while its realization would be of enormous benefit to this country.

It is with the highest satisfaction and gratitude that we receive to-day the news of peace in South Africa.

Compared with the proud satisfaction we feel at having had a share in bringing the harassing and protracted struggle to a successful termination, all the sacrifices made by the country are trival. But the gratitude we owe to those who fought and bled for us will never, I trust, be forgotten. The glorious record of courage and endurance made by her sons has lifted Canada into a higher plane of national life.

The auspicious visit last autumn to this country of Their Royal Highnesses the Duke and Duchess of Cornwall and York was the occasion of the unanimous display of loyal welcome from one end of the Dominion to the other, and was happily marked by the absence of misadventure of any kind.

The approaching Coronation of our Gracious Sovereign will, we trust, be succeeded by a long and prosperous reign.

I move that the report of the Directors be adopted and printed for distribution among the shareholders.

THE REPORT ADOPTED.

Mr. A. T. Paterson, in seconding the motion for the adoption of the report, said that it was quite unnecessary to add anything to the remarks which had fallen from the chair and to the statement made by the General Manager, beyond stating that he entirely concurred in them, and endorsed them. There was one thing, however, to which he might refer, and that was that on that day he had come of age, not personally, but as a director of the bank, and he wished to take the opportunity of thanking the shareholders for their long continued confidence in him. He also wished to say that his many years' experience as a director enabled him most thoroughly to endorse the statements made as to the improvement in the position of the bank.

After a few remarks by Mr. John Morrison, the motion for the adoption of the report was unanimously agreed to.

Hon. James O'Brien moved :—

"That the thanks of the meeting be presented to the President, Vice-President and Directors for their attention to the interests of the bank."

This was seconded by Mr. Donald Macmaster, K.C., and having been adopted unanimously, was acknowledged by the Chairman.

Mr. E. B. Greenshields moved :—

"That the thanks of the meeting be given to the General Manager, the Inspector, the Managers and other officers of the bank, for their services during the past year."

The motion was seconded by Mr. James Ross, and the Chairman having added that he fully concurred in it, and thought it was exceedingly well deserved, it was unanimously carried, and was acknowledged by the General Manager.

Mr. George R. Hooper moved :—

"That the ballot now open for the election of Directors be kept open until 3 o'clock, unless fifteen minutes elapse without a vote being cast, when it shall be closed, and until that time, and for that purpose only, this meeting be continued."

This was seconded by Mr. C. J. Fleet, and unanimously agreed to.

On the motion of Mr. John Morrison, seconded by Mr. A. F. Gault, a hearty vote of thanks was accorded the Chairman for his conduct of the business of the meeting, and he acknowledged the same.

THE DIRECTORS.

The ballot resulted in the election of the following Directors :—

R. B. Angus, Esq.
Hon. George A. Drummond.
A. F. Gault, Esq.
E. B. Greenshields, Esq.
Sir William C. Macdonald.
A. T. Paterson, Esq.
R. G. Reid, Esq.
James Ross, Esq.
Right Hon. Lord Strathcona and Mount Royal, G.C.M.G.

At a meeting of the new Board on Tuesday, the 3rd inst., the Right Hon. Lord Strathcona and Mount Royal, G.C.M.G., was reelected President, and Hon. George A. Drummond, Vice-President.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

THE creditors of The Ingersoll Metallic Mfg. Co., Limited, founders and brass bedstead manufacturers, Ingersoll, Ont., had a meeting on June 12.

The referee of The People's Heat and Light Co., Limited, Halifax, N. S., is advertising for claims.

PARTNERSHIPS FORMED AND DISSOLVED.

R. E. Gordon, lumber merchant, Arcola, Man., has admitted J. E. Jamieson.

SALES MADE AND PENDING.

Hill Bros., sawmill owners, New Denver, B.C., have sold out to a syndicate.

The stock of the estate of E. L. Knight, harnessmaker and dealer in trunks, etc., Hamilton, Ont., has been sold.

The stock of A. Snyder & Co., crockery and tinware merchants, St. Thomas, Ont., has been sold at 72c. on the dollar.

There will be a sheriff's sale of the real estate of The Mineral Products Co., Dawson Settlement, N.B., on September 11.

CHANGES.

The Sunlight Gas Co., Limited, Montreal, has registered.

Lemoine, Martineaux & Fils, contractors, Montreal, have registered.

J. W. Jack, stove merchant, Truro, N.S., is succeeded by J. E. Jamieson.

David Ross, sawmill owner, Whitemouth, Man., is succeeded by Ross Bros. & Co.

Ovide Amiot has registered for Oscar Amiot & Frere, wood and coal merchants, Montreal.

John F. Moder has registered for Charles Cushing & Co., harnessmakers, Mahone Bay, N.S.

FIRES.

K. B. Demill, blacksmith, Wellington, Ont., was burned out.

C. S. Cunningham, hardware merchant, Wellington, Ont., has been burned out.

STRIKE OF BOILERMAKERS.

The boilermakers of Inglis & Sons, The Bertram Engine Works, and Polson & Co., all well-known Toronto establishments, have quit work in sympathy with the striking boilermakers' helpers. The boilermakers number 70, their helpers about 160. The demand of the helpers is for a ten per cent. increase all around on day work, time and a quarter from 6 to 8 p.m., and time and a half after 8 p.m., with double time for repair work after regular hours. The employers consider the demand unreasonable. They claim they are now paying more than outside places with which they have to compete in tendering on contracts. If increase was universal no objection would be felt.

What's in a Name?

It all depends on the man or the concern back of it. A good name is worth much in business. It's one of the most valuable assets a business man can have. It's an asset that can't be measured by money value.

The Sherwin-Williams Agency

brings with it a paint with a name known everywhere for all that is good and true in paint. It brings with it a reputation for straightforward business methods—a reputation that has been gained by over 30 years of business life.

We are looking for wide-awake dealers everywhere whose good name we can help promote, whose business we can help increase.

We are particularly interested in establishing a Sherwin-Williams Agency in your town if we are not represented there now. We would like to show you what we can do to help you make good money out of the paint business, and if you will write asking for the "B-13" booklet we shall explain our plan in detail.

THE SHERWIN-WILLIAMS CO.

PAINT AND VARNISH MAKERS.

CLEVELAND.

CHICAGO, NEW YORK, NEWARK, MONTREAL, BOSTON, TORONTO, SAN FRANCISCO. KANSAS CITY

CATALOGUES, BOOKLETS, ETC.

HARDWARE LISTS.

Jaffe & Sons, Manchester, Eng., are now sending out monthly lists of all English hardware lines. These are complete, and will be valued by all who are fortunate enough to receive copies.

CATALOGUE OF VISES AND HANDLES.

The catalogue of the Columbian Hardware Co., Cleveland, Ohio, manufacturers of vises and anvils, is a handsome booklet. It is printed on paper of superior quality, and contains steel engravings of the articles and their parts described therein. There is also a large engraving of the works of the company at Cleveland. This firm succeeds the Van Wagoner & Williams Hardware Co., and the Trenton Vise & Tool Co. The goods of these concerns have always been of high repute on account of their superior quality and this their successors are determined to maintain.

REGARDING THE $4 NOTE.

In connection with the request of the Montreal Retail Grocers' Association that the $4 bills now issued by the Dominion Government be withdrawn from circulation, it is interesting to know that, according to the statement of the Finance Department, there was at the close of last April in circulation $9,487,345 in $1 and $2 notes, and, however this combination be obtained, only $526,923 in $4 notes. To as high as $892,273 has the circulation of the $4 note risen within a year, and at that time the value of the smaller notes in circulation reached nearly $10,500,000.

CANADA'S CORONATION ARCH.

The grand triumphal arch, emblematical of the agricultural resources of the Dominion, and at the same time a demonstration of loyalty, is in Whitehall, opposite the bronze statue of James II., and below the Horse Guards. It is designed on unconventional yet decorative lines. The height is 56 feet, and the width 60 feet; the arched opening in the centre being 25 feet, flanked on either side by open octagonal features draped and festooned, the whole structure being capped by an open lantern with roof of crown formation.

In the centre of the structure and under the lantern the word "Canada" appears in large letters, and immediately over the arched opening are inscribed the words, "The Future Granary of the Empire."

An illumination scheme has been designed whereby the main features of the structure, as well as the mottoes, will stand out in bold and effective manner after dark.

The design is by Messrs. Walker & Ramsay, of Glasgow, the architects for the Wolverhampton Exhibition.

HALIFAX MERCHANTS DISCUSS HOLIDAYS.

THE Retail Merchants' Association of Halifax does not like the idea of having so many holidays. At a meeting of that organization, held on the evening of June 5, the consideration of the many public holidays coming together was the main business of the evening. A communication from the Halifax Board of Trade was received, asking the Association to send members to form part of a delegation to wait on the Governor and Mayor regarding the number of proposed holidays coming so close together. A. W. Reddan was the occupant of the chair, and W. E. Hebb was secretary.

A resolution was unanimously adopted setting forth that Thursday, June 26, and the afternoon of Friday, June 27, be recognized as public holidays, providing a programme of sports be provided, and that June 21 and July 1 be not observed this year. A resolution was also passed recommending that June 21 and July 1 be combined into one holiday, to take effect in 1903, the holiday to be on the latter date. June 21 has always been recognized there as Natal Day.

The association had a thorough discussion of the travelling auctioneer and pedlar grievance, and a committee was appointed to wait on the city council and ask that some means be provided for protection against these people.

The early closing committee reported having had much success in obtaining signatures to the early closing agreement and the law will soon go into force regarding the different businesses represented.

It was reported that a number of shops in the north end of the city were kept open all day Sunday, and the Mayor is to be interviewed on the subject. The membership of the association now numbers 150.

NEW FORGE COMPANY.

The Buffalo Forge Co. have recently applied for and obtained a charter to do business in Ontario under the name of The Canadian-Buffalo Forge Co., Limited, with $100,000 of capital fully subscribed. W. F. and H. W. Wendt, of Buffalo, owners of The Buffalo Forge Co. are the chief stockholders in the Canadian company. They are two of the provisional directors, the third being Geo. F. Burton, of Toronto. The head office will be Toronto, but the company will manufacture in the Niagara Peninsula.

PERSONAL MENTION.

Geo. Phillips, a hardware merchant of Havelock, Ont., was in Toronto this week.

SPECIAL

IVER JOHNSON'S ARMS AND CYCLE WORKS
HONEST CYCLES AT HONEST PRICES
FITCHBURG, MASS.

SPECIAL

IVER JOHNSON — A Special Model at a Special Price — Standard and Reliable

REMEMBER

The best bicycle value ever offered. Never in our history have we made so good a bicycle for so little money.

This Model 74 S is straight, standard goods, and not the product of a now dismantled factory, or the last of a soon-to-be-forgotten name plate.

Write for particulars and prices.

IVER JOHNSON'S ARMS & CYCLE WORKS,
New York Salesroom: 99 Chambers St. FITCHBURG, MASS.

THE LONDON SCALE WORKS
GEORGE M. FOX
(Successor to John Fox)
Manufacturer of Railroad, Hay and Platform Scales.
91 York Street, LONDON, ONT.

SEED CORN
FIELD VARIETIES ONLY.
ALSO WHITE BEANS
IN CARLOTS AND LESS.
Write FRED. B. STEVENS & CO., Chatham, Ont.

New Telephone Directory.

The Bell Telephone Company of Canada, Limited, is about to issue a new Subscribers' Directory for the

CITY OF TORONTO.

Orders for new connections, changes of equipment, changes of name or address should be handed in before June 15th to ensure insertion in this book.

K. J. DUNSTAN,
Toronto, May 31st, 1902. Local Manager.

WESTERN ASSURANCE COMPANY
Incorporated 1851
Fire and Marine

Capital -	$2,000,000.00
Assets, over -	2,900,000.00
Annual Income	3,000,000.00

Head Office: TORONTO, ONT.

Hon. Geo. A. Cox, President. J. J. Kenny, Vice-President.
C. C. Foster, Secretary.

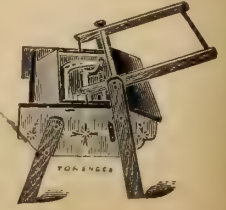


"DAISY" CHURN

Has tempered steel cased bicycle ball bearings, strongest, neatest and most convenient frame. Only two bolts to adjust in setting up. Steel Bow Levers, suitable for either a standing or sitting posture. Has four wheels and adjustable feet to hold stand steady while churning. When churn is locked to stand the bow can be used as handles to move it about on the front wheels as handy as a baby carriage. Open on both sides to centre, giving free space for pail. Made with wood or steel stands, with Cranks only, or Bow Levers as desired.

Vollmar Perfect Washer

Has a most enviable record. A perfection of its kind—will wash more clothes in less time, do it better and easier, with less wear and tear, than any other machine.



THE Wortman & Ward Mfg. Co., Limited
LONDON, ONT.
Eastern Branch, 60 McGill Street, Montreal, Que.

H. S. HOWLAND, SONS & CO.

WHOLESALE ONLY

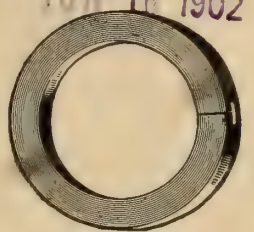
37-39 Front Street West, **Toronto.**

ONLY WHOLESALE

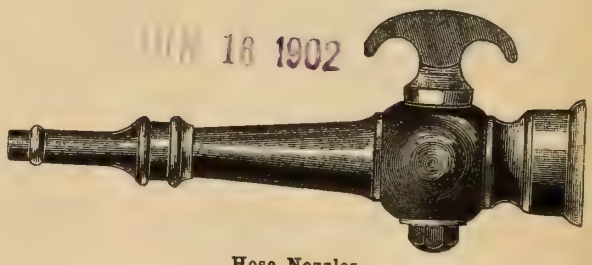
GARDEN SUNDRIES.



RUBBER HOSE.
"COMPETITION," no couplings.
"IDEAL," complete with couplings.



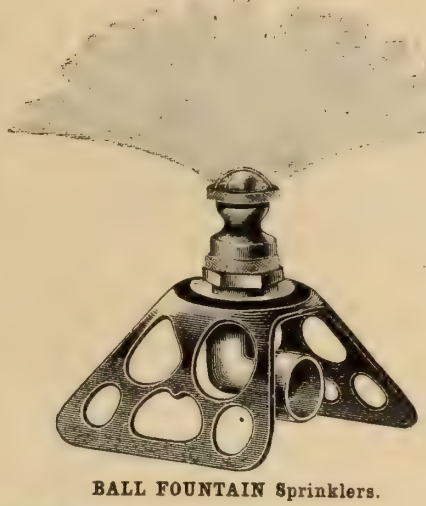
Hose Washers.



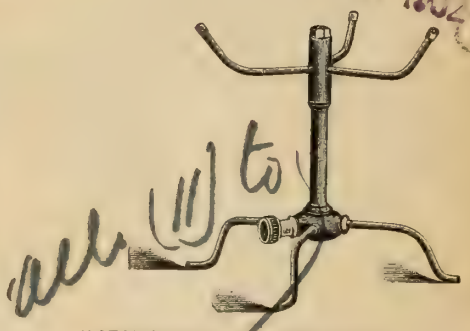
Hose Nozzles.



"ONTARIO" Lawn Sprinklers.



BALL FOUNTAIN Sprinklers.



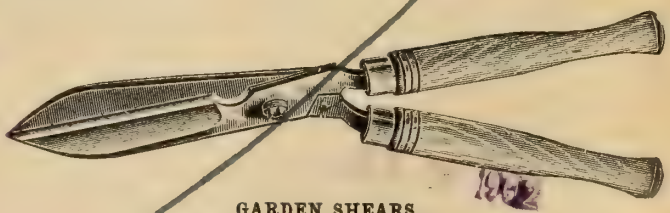
"CRESCENT," Revolving Head, 3 Arms.



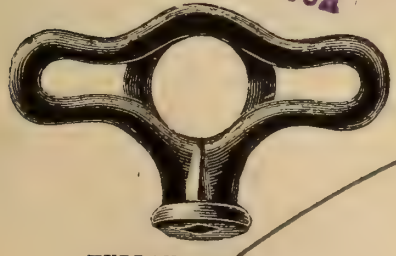
"HUDSON" Hose Ties



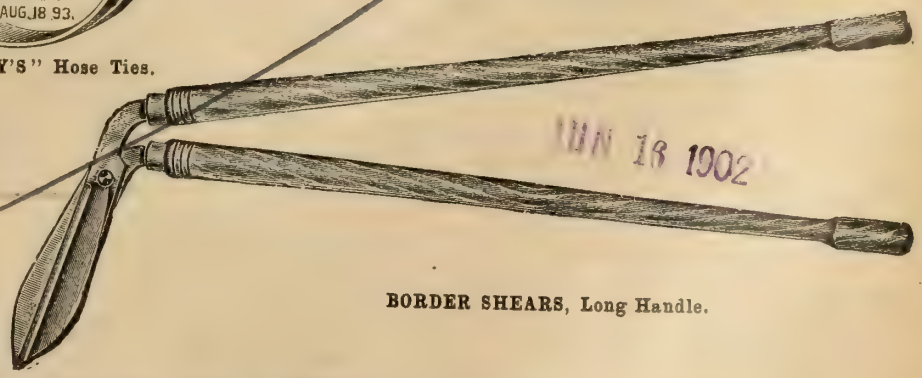
"CLANCY'S" Hose Ties.



GARDEN SHEARS.



HYDRANT KEYS.



BORDER SHEARS, Long Handle.

FOR OTHER LINES SEE OUR HARDWARE CATALOGUE.

H. S. HOWLAND, SONS & CO., Toronto.

OUR PRICES ARE RIGHT

Graham Nails are the Best.

Factory: Dufferin Street, Toronto.

WE SHIP PROMPTLY

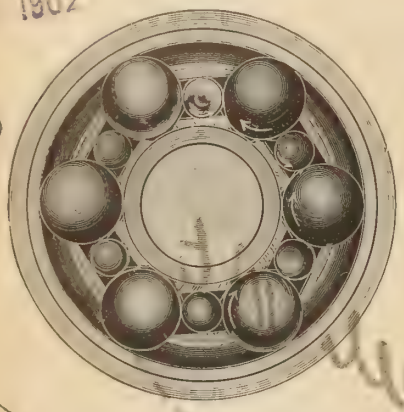
MACHINERY AND ELECTRICAL SUPPLY DEPARTMENT

DOUBLE BALL BEARING FOR MACHINERY.

FOR years inventors have endeavored to discover something which would do away with friction. After a large number of tests, it is claimed that The Chapman Double Ball Bearing Co., of Canada, Limited, does away with 98 per cent. of it.

The Chapman double ball bearing, as shown in the cut, consists of placing an idler ball between each carrier ball in such a manner that it removes all cross

JUN 18 1902



Chapman Double Ball Bearing.

friction and insures a positive revolution of the balls under all loads and conditions.

For railway car bearings the Chapman compound type is used. This comprises the Chapman double ball bearing in combination with the standard car type of straight journal bushing, or sleeve bearing, requiring no changes whatever in the axle or shaft. This combination provides for the lateral or side movement due to inequalities of the tracks, or the "throw" of the car on the trucks, which is necessary for the successful operation of a car-truck.

The durability of the bearing has been demonstrated by running under 5,000 lb. pressure for two years and four months, about 10 hours for seven months, and about eight hours for the remaining 2 months, at a speed as high as 525 revolutions per minute, without the use of oil as a lubricant. No perceptible wear can be found of the cups, balls and cones. The Chapman double ball bearing has run in an electric motor 1,800 turns, and grinding machines, 16,000 turns per minute; also on an electric car, light and heavy wagons, paper calendar rolls, etc.

Mr. Henry Souther, M.E., for years mechanical expert in the testing department of Col. A. A. Pope's Bicycle Works, at Hartford, Conn., on Thursday evening, January 16, 1902, in the course of a lecture before the Toronto members of the Canadian Manufacturers' Association, in the rotunda of the Board of Trade, said: "I believe that by so-called frictionless bearings the greatest savings possible from any one element of transmission devices can be made. The Chapman type is the best as regards wear."

Under instructions from Hon. A. G. Blair, Minister of Railways, Mr. J. L. Muhlfeld, of Moncton, N.B., the superintendent of machinery and rolling stock of the Intercolonial Railway, visited Boston in March, 1902. After a thorough investigation, under date of March 17, 1902, he made a detailed report to Mr. E. G. Russell, the general manager of the system. He notes as advantageous features as compared with the present bearings, the following: A reduced friction, resulting in less power required to haul the equipment; less liability for failure and delay; less wear and tear on the parts; less liability and cost for renewals; no cost for oil, waste and labor for packing and lubrication; no dust guards required to be maintained; less stock in the way of repair parts to keep on hand at intermediate stations; no depreciation of axles on account of wear and tear on journals. On passenger-train equipment, the greatest advantage will be from the less liability for failure and delay to trains on account of the heating of the bearings; reduced friction will facilitate the prompt starting of the trains, and to make up lost time; less fuel consumption in the locomotive to handle the same tonnage, and the entire elimination of all cost for labor and material and inspection which is involved on account of lubrication. In freight-train equipment the greatest advantage will be the reduced friction, which will enable an increased tonnage to be hauled with the one train. In locomotive service, the greatest benefit will be from the reduced liability to the heating of the driver boxes and other journal bearings, and the consequent delay and expense."

A contract has been given by the Intercolonial Railway Co. to equip a whole train of passenger cars, including locomotive. A street car equipped with the bearing, which has run over 16 months by actual tests, has shown a saving of over 60 per cent. of power. The office of the company is at 39 Scott street, Toronto.

A $30,000 ELECTRIC POWER CONTRACT.

Despite the fact that the new electric motor pump will not be ready for operation till December or January, steps are already being taken by Montreal to get the electric contract ready. The contract will specify a period of five years. As about 400 horse power will be required, at about $15 per horse power per annum, an outlay of about $30,000 will be necessary. Thus, some of the electric companies of Montreal will secure a nice little contract.

At the meeting of the Water Committee the other day the matter came up for discussion. On the advice of City Attorney Ethier, tenders will be asked for. The committee are anxious to have the builders of the electric pump informed as to the exact nature of the connection to be made for the motive power. The aldermen do not wish to wait till the fall estimates are voted.

HAVE A NEW MANAGER.

Mr. J. Laishly, of Winnipeg, has taken the position of president and general manager of The Gas Engine Company, Limited, of Toronto Junction, and intends to increase their plant at once.

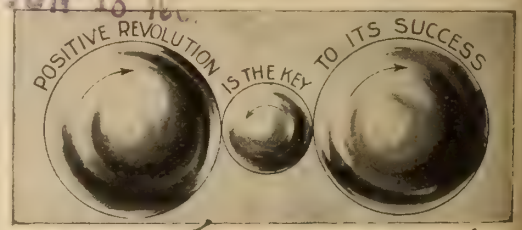
They have recently supplied McDonald & Co., brickmakers, Caulfield, Ont., with a 25 H. P. gasoline engine to operate a new brick machine made by H. C. Brandt & Son, Parkhill, Ont., and have found them to work successfully. With four men they now turn out the phenomenal average of 18,800 bricks a day, and have made as many as 20,400 a day.

This company are also equipping a 24-ft. launch for Mr. Fred. Addison, of P. W. Ellis & Co., with one of their 5 H.P. gasoline engines.

WILL EXTEND THEIR PLANT.

The Quebec Jacques Cartier Electric Company will extend their plant at Quebec within a few months at a cost of $170,000. They have awarded the contract for the installation of water-tube boilers and other necessary equipment to The Heine Safety Boiler Co., Toronto. These boilers are to be located in the new steam power house of the company at the extremity of St. Sauveur. The

JUN 18 1902



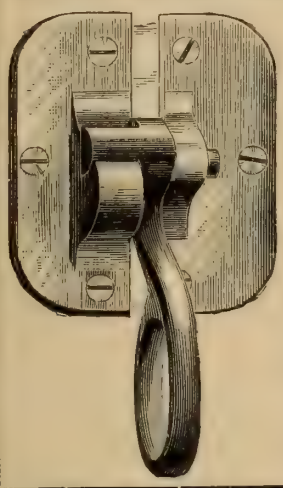
Chapman Double Ball Bearing.

steam engines will be supplied by The Robb Engineering Company, of Amherst, N.S. This whole plant will cost about $100,000 and will be used solely as a reserve steam plant, and kept in constant readiness for any emergency that may arise.

This firm are also building an arc light station in rear of the company's main building. The cost of this structure will be about $75,000, and it is expected to be ready for work by November next.

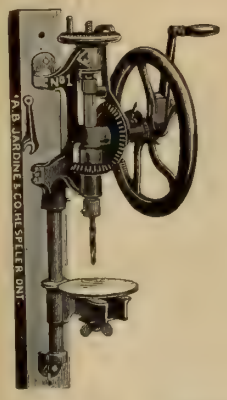
JONAS & COLVER CO.
Limited
Sheffield, England
STEEL WIRE DRILL RODS,
PIANO WIRE, ETC.
WILLIAM ABBOTT, Agent.
63 St. John Street, MONTREAL.

P. J. CONROY, Manufacturer of
REFRIGERATOR HARDWARE



Paschall Station, Phila., Pa.

The "Conroy" Refrigerator Door Fastener.



TRADE MARK J REGISTERED

Blacksmiths' Hand Drills.

The very best.

A. B. JARDINE & CO.
HESPELER, ONT.

THE ADAMS STOVE PIPE REGISTER.



Design Patented June 29, 1897.

Design Patented August 31, 1897.

Made by
The Adams Company
Dubuque, Iowa, U.S.A.



"The Peerless" is the best Bolster Spring ever produced. A fine line for the hardware trade. Write Us For Prices.



James Warnock & Co. = Galt, Ont.



G. A. Crosby & Co. of Ontario,
SARNIA, ONT. LIMITED
Manufacturers of
Patent Automatic Can Making Machinery, Presses, Dies and Special Machinery for Working Sheet Metal.

STANYON ENGINEERING CO.
402 McKINNON BUILDING,
Phone Main 2177. TORONTO
CONTRACTING AND CONSULTING ENGINEERS.
Steel Works, all kinds of Rolling Mills, Wire Mills, etc., all built complete. Machinery designed for any purpose
General Offices, PITTSBURG, Pa.

American Steel & Wire Co.

New York: Empire Building.
Montreal: New York Life Building.
Chicago: The Rookery.

BARB WIRE. GALVANIZED PLAIN WIRE.
PLAIN TWIST CABLE FENCING.

Telegraph and Telephone Wire, Mattress, Broom, Weaving Wires of every description, Rail Bonds, Bale Ties, Special Wires for all purposes. Springs, Horse Shoes, Wire Rope, Cold Drawn Steel Shafting.

ELECTRIC CAR LIGHTING IN GERMANY.

IN Germany the methods of lighting railway postal and passenger cars have for some time been matters of considerable interest to the public, according to the advance sheets of the Consular reports issued by the Bureau of Foreign Commerce, Department of State, Washington, D.C.

Some time ago a railway accident occurred at Offenbach-on-Main, in which the wrecked carriages and imprisoned passengers were burned by gas escaping from a reservoir of the Pintch system. At that time electric lighting by the Bose accumulator system was in use on nearly all German postal cars and the stone electric apparatus had been installed as an experiment on an express train running regularly between Berlin and Cologne.

During the past 15 months the Prussian railway engineers have been experimenting with various forms of electric lighting. In an address before the monthly meeting of April 22 last of the Association of German Mechanical Engineers, Chief of Construction Wichert related the results of these trials to the members and representatives of the Imperial Railway Bureau and the Department of Public Works. Herr Wichert gave details of the experience of the Prussian Administration with the several methods of car lighting from candles to electricity, and then dwelt on the difficulties and advantages that had been found in practice with the different systems of current supply. Three methods were mentioned, by storage batteries charged at permanent stations, generators placed in each car and worked from an axle of its running gear, and a plant located in the baggage car and supplying the whole train by means of conductors connecting the different cars.

The dynamos located in each car, driven from the axle, and capable of a run of any length or duration would seem the ideal system. In addition to the dynamo only a small battery is required to feed the lights when the car is not in motion, and a regulator to equalize the current during the different rates of speed at which the train would run. The defects of this system are that the power it borrows from the axle, repeated in every car of a long train, considerably increases the heavy load upon the locomotive; a large space is occupied and much dead weight added by the dynamo regulator and accumulator; and there is always a jarring, grinding noise from the dynamo that very often annoys and awakens nervous passengers.

The Prussian Administration have carefully tested the second method, that of large storage batteries located in each car and fed from electric plants and terminal and other principal stations. It does not consume any power from the locomotives and does away with the noise and vibration of the first system. But storage batteries of sufficient capacity to carry a current supply for a long distance are heavy and costly, and the process of changing them at terminal and intermediate stations requires a special apparatus, and involves delay and technical difficulties that altogether much impair the working value of the system.

A compromise between these two systems has finally been settled by the Prussian Government. A steam-driver dynamo is placed on the locomotive under the control of the driver, and current is supplied from it to a small regulating storage battery in each car of the train. Thus an independent and separate lighting system is given to each car, the lamps being fed from its own accumulator, deriving its supply from the generator at the head of the train. According to Herr Wichert this is the most satisfactory system of all as it meets most perfectly the requirements of simple, economical and efficient construction, maintenance and attendance in regular service. On the Swedish express, a high-class vestibuled daily train between Berlin and Stralsund, the first practical tests in this method were made. It has proved so satisfactory that other trains are being equipped with similar apparatus and all appearances indicate, the State engineers feel confident, that they are on the right road to a system for lighting passenger carriages successfully and satisfactorily. In the distribution of lights, a ceiling lamp is given to each compartment in a first or second-class car, under control of the attendant, and four lamps on the sides that can be turned on or extinguished at will by the passengers.

The dynamos, conductors, storage batteries and lamps for this purpose have been specially designed by Chief Engineer Wichert and his associates, and this equipment is accepted as marking a definite epoch in the history of railway car lighting in Germany.

MACHINERY AND ELECTRICAL NOTES.

The Gee Electrical Co., of Colborne street, Toronto, report trade to be brisk. They have recently secured the contract for one 25 H.P. motor and one 8 H.P. motor for Lever Bros., of The Sunlight Soap Co. They have also a contract for one 8 H.P. motor for The William Davies Co., and besides this they have closed about one-half dozen other contracts.

The McLachlan Gasoline Engine Co., Limited, 201 Queen street east, Toronto, have just sold a gasoline launch equipped with one of their 2½ H.P. gasoline engines to James Keggie, of the Board of Trade Building, Toronto, and a 22-ft. gasoline launch, equipped with a 5 H.P. gasoline engine to B. D. Wood, of New Orleans. The latter vessel is handsomely fitted up with a canopy top, side seats, and Ostermoor patent cushions.

The Dominion Government have had one of The Jones & Moore Electric Company's new type direct-connected sets placed on their cruiser at Vancouver, B.C. A similar outfit is just completed on the Midland Queen, one of the Georgian Bay and Lake Huron fleet. The steamer Canada, to run from Owen Sound to Balmy Beach Resort, is fitted with a complete lighting outfit manufactured by The Jones & Moore Electric Company.

The Jones & Moore Electric Co. report sales of motors to The T. Eaton Co.; Toronto Lithograph Co.; Singer Manufacturing Co.; The Rocko Manufacturing Co.; Toronto Pharmacal Co.; Sexton & Co.; Strachan Bros.; Toronto Leather Goods Co.; Polson Iron Works.; Dr. Foster, C. E. Walker & Son, G. Bedford, Wm. Stock, of Peterboro'; Apostle & Montsateon, G. Pratt & Co., Sault Ste. Marie; Darling Bros., of Montreal; J. Shipton, Vancouver, B.C.

The Meteor Cycle and Electric Machine Company, King street, Toronto, are working on contracts for the renovating of the wiring and fixtures of the branch of the Imperial Bank at the corner of York and King streets, installing an electric wiring and fixture system in the premises of A. Clubb & Sons, King street west; the installing of electric wiring and fixtures in the building of The Canada Permanent and Western Canada Mortgage Corporation, 72 King street east: the putting in of wires, electric fixtures, electric bells, etc., in the house of Mr. Walter Clubb, at 38 Manning avenue: and the wiring and electric fixtures of two houses for John B. Smith, on Brunswick avenue. They have just completed equipping the steamer Montreal with annunciators, electric bells, wiring, etc., and the renovation of the annunciators, etc., of the steamer Kingston.

MOTORS AND DYNAMOS FOR YACHT LIGHTING.

"Hardware and Metal" is enabled to illustrate a new line of small power motors and generators lately placed on the



Small Power Dynamos.

market by The Toronto Electrical Works Co., Limited, 42 Adelaide street west, Toronto. This company has also placed on the market a small dynamo and storage battery outfit to be used on yachts for the ignition of gasoline engines. It furnishes not only light for port and starboard lights, but also a powerful searchlight and lights for the general illumination of the yacht.

A valuable feature is that the running of the engine has no influence on the availability of the light. No longer is a separate engine necessary.

The outfit is compact; it will be equally appreciated on a steam yacht.

The company has contracts for fitting out Fred. B. Fetherstonhaugh's gasoline yacht, Ed. Leadley's steam yacht; also in gasoline yachts for E. E. Smalley, Beaumaris, Ont., for J. M. Robertson, Tweed, Ont., and Wilbur Lawless.

WINDOW GLASS —TO IMPORT.

Prompt Deliveries

EVERY KIND OF PLATE AND WINDOW GLASS IN STOCK.

BEST GLASS of all kinds, our own manufacture. Closest Prices.

TORONTO PLATE GLASS IMPORTING CO.,

Hill & Rutherford

Warerooms and Offices—135 to 143 Victoria St.
Bending Works—209 to 213 Victoria St.

TORONTO

Use Syracuse Babbitt Metal

IT IS THE BEST MADE.



For Paper and Pulp Mills, Saw and Wood Working Machinery, Cotton and Silk Mills, Dynamos, Marine Engines, and all kinds of Machinery Bearings.

Wire, Triangular and Bar Solder, Pig Tin, Lead, Ingot Copper, Ingot Brass, Antimony, Aluminum, Bismuth, Zinc Spelter, Phosphor Tin, Phosphor Bronze, Nickle, etc., always in stock.

Canadian Works, Montreal, P.Q.
American Works, Syracuse, N.Y.
Head Office American Works, 94 Gold Street, New York.

Syracuse Smelting Works

It Pays the Dealer



Will freeze cream in 4 minutes.

TO HANDLE THE

White Mountain Freezer

BECAUSE

It is the best acting, best looking, strongest, most durable and best selling freezer manufactured.

There is not a weak point about it or a waste part to it.

It embraces all the good features to be found in all other freezers, and many more besides that are peculiar to itself.

SOLE AGENTS FOR CANADA:

THE McCLARY MANUFACTURING CO.,

London, Toronto, Montreal, Winnipeg, Vancouver, St. John, N.B.

CORDAGE

ALL KINDS AND FOR ALL PURPOSES.

Manila Rope	Lathyarn
Sisal Rope	Shingleyarn
Jute Rope	Bale Rope
Russian Rope	Lariat Rope
Marline	Hemp Packing
Houseline	Italian Packing
Hambroline	Jute Packing
Clotheslines	Drilling Cables
Tarred Hemp Rope	Spunyarn
White Hemp Rope	Pulp Cord
Bolt Rope	Lobster Marlin
Hide Rope	Paper Cord
Halyards	Cheese Cord
Deep Sealine	Hay Rope
Ratline	Fish Cord
Plow Lines	Sand Lines

"RED THREAD" Transmission Rope from the finest quality Manila hemp obtainable, laid in tallow.

CONSUMERS CORDAGE COMPANY, Limited

Western Ontario Representative—
WM. B. STEWART,
Tel 94. 27 Front St. West, TORONTO.

MONTREAL, QUE.

MANITOBA MARKETS.

Winnipeg, June 10, 1902.

As far as prices are concerned the feature is an advance of 5c. in building paper and of 4c. in No. 8 copper rivets and of 2c. in No. 12. Crop conditions are favorable throughout the entire country. The fact that cooler weather has marked the end of the week is regarded with favor in grain circles, as it was feared that should the extreme heat continue the amount of moisture would make the growth of straw too rank, and delay the ripening of the grain. The growth made during the week is enormous, and the whole country looks beautiful. Having had so much rain in May farmers are hoping for a comparatively dry June. The sowing of flax and barley has practically been completed this week. Jobbing houses report good sales, but collections are still rather slow.

The price list for the week is as follows :

Barbed wire, 100 lb	$3 30
Plain twist	3 40
Staples	3 95
Oiled annealed wire, 10	3 85
" 11	3 90
" 12	3 95
" 13	4 10
" 14	4 25
" 15	4 35
Galvanized wire, 6 to 8 gauge	4 00
" 9 "	3 50
" 10 "	4 05
" 11 "	4 20
" 12 "	3 65
" 13 "	3 75
" 14 "	4 45
" 15 "	4 60
" 16 "	4 75
Wire nails, 30 to 60 dy, keg	3 25
" 16 and 20	3 35
" 10	3 35
" 8	3 45
" 6	3 50
" 4	3 65
" 3	3 90
Coil chain, 3-16 inch	10½
" ¼ inch	8¾
" 5-16 inch	5½
" ⅜ inch	5¼
" 7-16 inch	5
" ½ to ¾ inch	4¾
Cut nails, 30 to 60 dy	3 10
" 20 to 40	3 15
" 10 to 16	3 20
" 8	3 25
" 6	3 30
" 4	3 60
" 3	3 75
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to No 1	4 65
No. 2 and larger	4 40
Snow shoes, No. 0 to No. 1	4 90
No. 2 and larger	4 40
Steel, No. 0 to No. 1	4 95
No. 2 and larger	4 70
Bar iron, $2.70 basis.	
Swedish iron, $5.00 basis.	
Sleigh shoe steel	3 25
Spring steel	3 25
Machinery steel	3 75
Tool steel, Black Diamond, 100 lb	8 50
Jessop	13 00
Sheet iron, black, 10 to 20 gauge, 100 lb.	3 50
20 to 26 gauge	3 75
28 gauge	4 00
Galvanized American, 16 gauge	2 79
18 to 22 gauge	4 75
24 gauge	5 00
26 gauge	5 25
28 gauge	5 50
Genuine Russian, lb	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 75
26 gauge	8 00
28 gauge	8 50
Tinplate, IC charcoal, 20 x 28, box	11 00
" IX "	13 00
" IXX "	15 00
Ingot tin	33
Canada plate, 18 x 21 and 18 x 24	3 25
Sheet zinc, cask lots, 100 lb	7 00
Broken lots	7 50
Pig lead, 100 lb	6 00
Wrought pipe, black up to 2 inch....50 and 10 p.c.	
" Over 2 inch....	50 p.c.
Rope, sisal, 7-16 and larger	$13 50
" ⅜	14 00
" ¼ and 5-16	14 20
Manila, 7-16 and larger	17 00
" ⅜	17 55
" ¼ and 5-16	18 00
Solder	20
Cotton Rope, all sizes, lb	17
Axes, chopping	$ 7 50 to 12 00
" double bitts	12 00 to 18 00
Poultry netting, 24 in	1 35
Screws, flat head, iron, bright	87½
Round " "	82½
Flat " brass	80
Round " "	75
Coach	57½ p.c.
Bolts, carriage	50 p.c.
Machine	50 p.c.
Tire	60 p.c.
Sleigh shoe	65 p.c.
Plough	40 p.c.
Rivets, iron	50 p.c.
Copper, No. 8	30
" No. 12	32
Bluestone, cask lots	$5 50
Spades and shovels	40 p.c.
Harvest tools	60 p.c.
Axe handles, turned, s. g. hickory, doz.	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 75
No. 1	1 25
Files common	70, and 10 p.c.
Diamond	60
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	30 p.c.
" military	15 p.c.
American R.F.	30 p.c.
C.F. pistol	5 p.c.
C.F. military	10 p.c. advance.
Loaded shells:	
Eley's soft, 12 gauge black	16 50
chilled, 12 gauge	18 00
soft, 10 gauge	21 00
chilled, 10 gauge	23 00
Shot, Ordinary, per 100 lb	6 25
Chilled	6 75
Powder, F.F., keg	4 75
F.F.G.	5 00
Tinware, pressed, retinned	75 and 2½ p.c.
" " plain	70 and 15 p.c.
Graniteware, according to quality	50 p.c.

PETROLEUM.

Water white American	25½c.
Prime white American	24c.
Water white Canadian	22c.
Prime white Canadian	21c.

BINDER TWINE.

Sisal and Standard f.o.b. Winnipeg	$ 12
Manila, 550 feet	13½
Manila, 600 feet	14½
Pure Manila	16
Five-ton lots ½c. less per lb., and car-lots ¼c. less.	

SCRAP.

No. 1 cast iron	$13 to $14 per ton
No. 2 "	5 to 6 "
Wrought iron scrap	5 "
Copper (heavy)	7c. per lb.
Yellow brass (heavy)	8c. "
Light brass	5c. to 6c. "
Lead pipe, or tea lead	2c. to 2½c. "
Zinc scrap	1c. "

PAINTS, OILS AND GLASS.

Turpentine, pure, in barrels	$ 75
Less than barrel lots	80
Linseed oil, raw	85
Boiled	88
Lubricating oils, Eldorado castor	29
Eldorado engine	28½
Atlantic red	29½
Renown engine	41½
Black oil	20
Cylinder oil (according to grade)	55 to 74
Harness oil	65
Neatsfoot oil	90
Steam refined oil	85
Sperm oil	2 00
Pure castor oil, East India	11
Lubricating	10
Glass, single glass, first break, 16 to 25 united inches	2 50
26 to 40 per 50 ft.	2 75
41 to 50 " 100 ft.	6 00
51 to 60 " " "	6 50
61 to 70 per 100-ft. boxes	7 00
Putty, in bladders, barrel lots per lb.	2½
kegs "	2¾
White lead, pure per cwt.	6 50
No. 1 "	6 00
Prepared paints, pure liquid colors, according to shade and color, per gal. $1.30 to $1.90	

DETACHABLE SHELF.

THE Bradley detachable shelf is claimed to be an entirely new article. It has recently been gotten out by The Atlas Manufacturing Co., New Haven, Conn., and with its supports is complete in

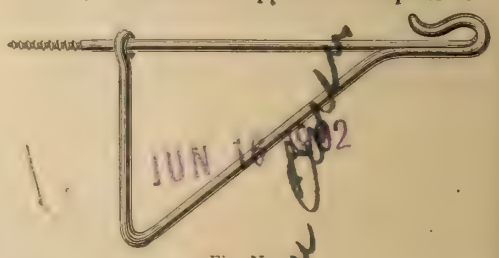


Fig. No. 1.

itself, no screws, nails, or tools being required to put it up. Figure 1 shows the bracket before it is put up ; figure 2, the shelf crowded into place, and figure 3, the shelf up all ready for use. This article is

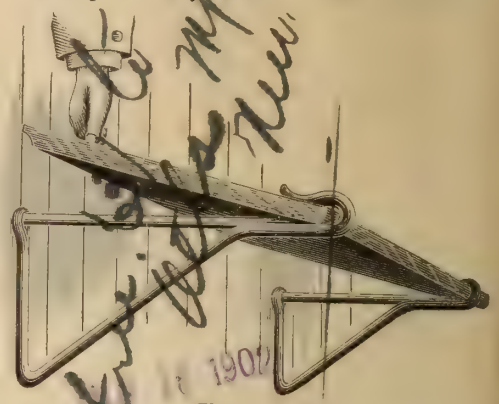


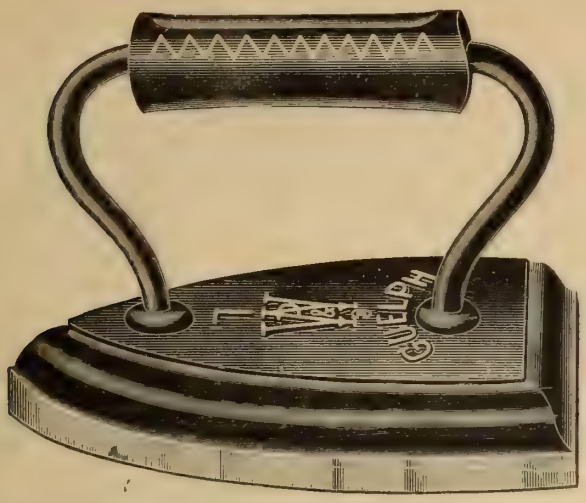
Fig. No. 2.

sold ready for putting up, and is so simple as to be easily put in place. There are two styles of this shelf and two lengths of each style, namely, japanned brackets with whitewood board, and nickel brackets with

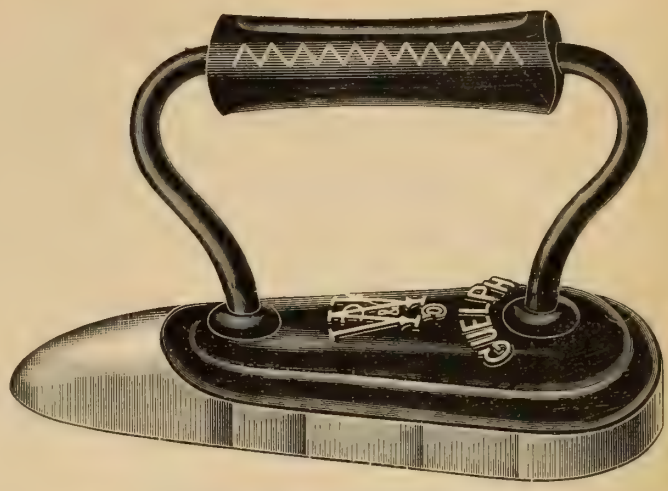


Fig. No. 3.

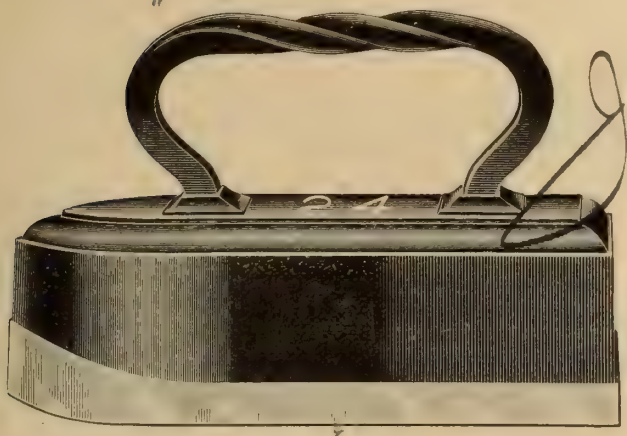
an oak board in sizes 4½ x 17 and 4½ x 21. The shelves are ⅝ in. thick and strong. Full particulars may be had by writing to the manufacturers, The Atlas Manufacturing Co., New Haven, Conn.



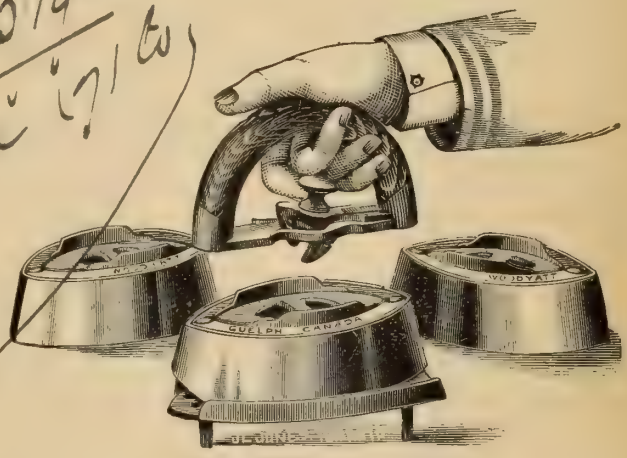
COMMON SAD IRONS, 5 to 9 lbs.
Japanned or Nickelled.



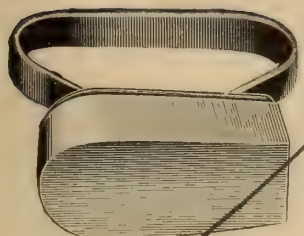
SLEEVE OR FLOUNCE IRON.
Plain, Polished or Nickelled.



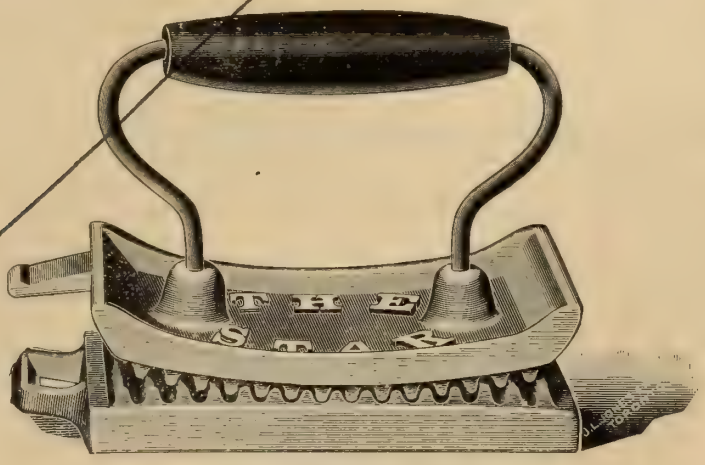
TAILORS' GEESE, 12 to 24 lbs.
Japanned or Nickelled.



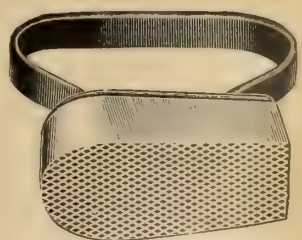
MRS. POTTS SAD IRONS.
Plain, Polished or Nickelled.



TROY POLISHING IRONS.
Plain Face.



STAR FLUTING IRONS.
Nickelled.



TROY POLISHING IRONS.
Corrugated Face.

Manufactured by

A. R. Woodyatt & Co., GUELPH, ONT.

SOLD ONLY THROUGH THE WHOLESALE TRADE.

NOVA SCOTIA MARKETS.

Halifax, June 10, 1902.

THERE is the same to report this week with reference to hardware, as in every other line—business has slackened off considerably, yet the various dealers are all fairly busy and do not seriously complain. Orders are coming in regularly, though smaller than has been the case for the last two months. The spring business opened early and it is quite natural that it should ease off earlier. On the whole, the season's business will be quite up to the average, if not beyond it. The latter is claimed by the majority of dealers in both the wholesale and retail lines. Payments are being met quite as well as formerly, and business is evidently on a sound basis, both here and throughout the Provinces generally.

* * *

Though the foreign markets have been noted as making advances, and in some cases declines, the local quotations have, in most cases, not responded. In fact, the dealers are recognizing that to some extent these fluctuations are only nominal, and in the line of "stock market" changes. They generally wait until an advance or decline is clearly apparent. This is no doubt the principle on which the smaller markets should be gauged, and it has a tendency to strengthen business. The only notable change in the market to report is an advance in horseshoes of about 15c. all round. There has also been an advance in the primary market of 5c. a roll in sheathing papers, which, as yet, has not affected the local market.

* * *

The demand for large quantities of builders' materials is not so great now as it has been for some weeks, as the contractors generally bought their supplies for the greater part of the season in quantity, so as to get the benefit of trade discounts. There are, however, numerous small orders going out, which keeps business fairly active in this line. All kinds of paints and oils are still in demand, and the retailers are doing a fair trade with those who are doing small jobs of repairing and brightening up their premises. Screen doors and windows are now more in demand as the last week has brought us, if only for a day or two, the first signs of real summer weather.

* * *

Linseed oil and turpentine are still an unsettled feature in the trade. Reports come from the producers that the market price has advanced. Even at Savannah, where linseed oil dropped $4 a barrel some weeks ago, there is a call for even a greater advance. There is no change in the local market yet, but as small stocks only are available in both these articles, the price will, no doubt, soon advance, unless the reported advance in the primary market proves unwarranted.

* * *

The exports, which to a great extent denote the state of business here as well as give an idea of Provincial trade, are keeping up to the lead on previous years which we have previously indicated. For the last week the amount was $186,559. The several countries are represented as follows: Great Britain, $66,551; West Indies, $56,555; France, $23,127; United States, $21,275; Belgium, $7,453; Newfoundland, $6,498; Brazil, $3,000; Italy, $2,100. The exports from September 1, 1901, to date are $7,098,517 as compared with $6,430,750 in the same period of the preceding year.

R. C. H.

HANDY TOOLS.

Below are illustrations of two new and handy contrivances made by North Bros. Manufacturing Co., Philadelphia, U.S.A., the "Yankee" automatic drill No. 43, and the "Yankee" spiral-ratchet screwdriver, No. 31.



The "Yankee" automatic drill No. 43 is designed for the use of carpenters, cabinetmakers and others. It is for boring wood for various purposes, such as setting screws, brads, and nails. The drill is made to revolve by pushing down the handle, and a spring in the handle pushes it back in its place, the drill point revolving during the return movement and clearing away chips and dust. It is made of the best materials and highest workmanship, all parts, excepting the handle and spiral spindle, being nickleplated and highly finished. The tool is handsome as well as useful. It is made for three sizes of drill, 1-16, 1 5-64 and 3-32.

The "Yankee" spiral-ratchet screwdriver No. 31 is a heavy pattern of their No. 30. It is for use in carshops and other places where heavy screws are to be driven or drawn, and its length is 17½ inches when closed and 26¼ inches when extended. It is right and left handed, and rigid, and is highly finished.



POLSON WORKS' CONTRACTS.

The Polson Iron Works, Sherbourne street, Toronto, report a brisk business. At present they are building an 8 cubic yard dipper dredge for Mr. W. J. Poupore, contractor, for harbor improvements for Montreal, to be used in the Montreal harbor; also a ¾ cubic yard dipper dredge for the Dominion Government, to be used near Nakusp, B.C. The hull was built there and launched on June 2. They also have contracts for machinery for a marl dredge for The National Portland Cement Co., at Durham, Ont.

In the boat line they have just completed a steam launch for A. McDonald, bridge builder, of New York, to be used on the St. Lawrence.

At present they are building a steam barge for The Hudson's Bay Co., to be sailed from Toronto by way of the River St. Lawrence, to be used on the coast of Labrador. Besides, this firm has secured the contract from the Dominion Government for machinery for a sea going hopper dredge.

VICTORIOUS AMMUNITION.

The following letter received by The Canada Hardware Co., Montreal, will be found interesting and useful to retailers handling the goods referred to:

THE CANADA HARDWARE CO.:

GENTLEMEN,—Knowing that you and your salesmen are always looking for talking points, we take pleasure in reporting a few things accomplished with our ammunition during the past few weeks.

The great victories of our metallic cartridges continue. For the fifth consecutive year they have won the world's championship record. They are constantly winning other events also. For instance, last week, in the Telegraphic Match between 25 picked men from the Chicago Metropolitan Police Force and the same number from the St. Louis force, the St. Louis men won by 87 points, and they ascribe their good fortune to the fact that all but two or three of them used Peters' cartridges; only a little more than one-half of the Chicago team used our goods.

The record of Peters' loaded shells bids fair to be as brilliant as that of its metallic ammunition. Since we began loading Ideals and New Victors with King's, Du Pont, Hazard, E. C. and Schultz powders, the number of trap-shooters using our loads has greatly increased. The fine work accomplished not only by experts, but also by amateurs, has attracted widespread attention.

In the Grand American Handicap Tournament (live birds) at Kansas City, Charles G. Spencer won the second place in a field of 454 entries. He scored 89 consecutive kills, shooting four days without a miss. Fifty-two shooters used Ideal and New Victor shells in this event. The same ammunition won the State Trophy at the Kansas State Tournament last month; also the first six averages, excepting part of the first at the Peru, Indiana, Tournament, and high averages without number everywhere. The Grand American Handicap Target Tournament, Interstate Park, L. I., May 6 to 9, was the last scene of special success. In the preliminary handicap 26 out of 93 contestants used Peters' factory-loaded shells with the various powders. Out of 20 prize-winners 11 using Peters' shells were in the money, including the winners of the first and second, tying for the third and fourth, or four out of the first six prize-winners. In the Grand American Handicap nine out of the twenty-one prize-winners used our shells, including winners of the second, third and fifth. The Consolation Handicap on the third day resulted in another victory, Peters' ammunition winning the cup; a total of two out of three of the big handicaps. In these three events one-half of the prize-winners used Peters' ammunition.

At the Natchez, Miss., Tournament recently, Walton, Sessions and Wilson won the trophy, using our loaded shells.

We could give you a very long list of recent victories, but the above, we believe, will be appreciated and put to best use. Shall be pleased to write a similar letter to each of your salesmen if you will give us name and address. Now is the time to use it and the result will be—orders. The retail dealer and his clerks want all these pointers. Thanking you for past favors, and hoping we may help you to largely increase your trade, we are,

THE PETERS CARTRIDGE CO.

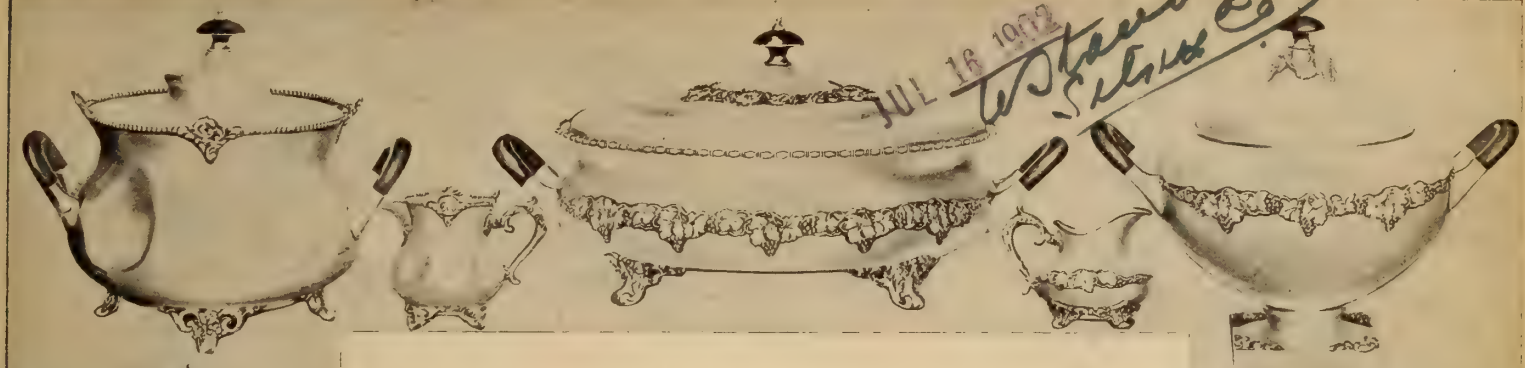
May 20, 1902.

WIRE NAILS
TACKS
WIRE

Prompt Shipment.

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

JUL 16 1912



To the Trade:

We make the best selling line of high-class Silverplate that is sold in Canada. This is rather a broad assertion, but we contend that it is strictly in accordance with the facts of the case.

An order placed with us will not only prove to you the truth of our claim but will also demonstrate to you the money-making properties of

SILVERWARE THAT SELLS.

Our motto has ever been **EXCELSIOR,** and our aim to produce as fine goods as are made anywhere.

The articles shown here are some of our new goods, our own original designs, and are, we think, as high-class goods as are made. We trust that you will agree with us when you see them.

The base metal of all our goods is a specially prepared hard white metal and is, we believe, the hardest and best Britannia Metal on the market.

Write for our Catalogue—it is worth having.

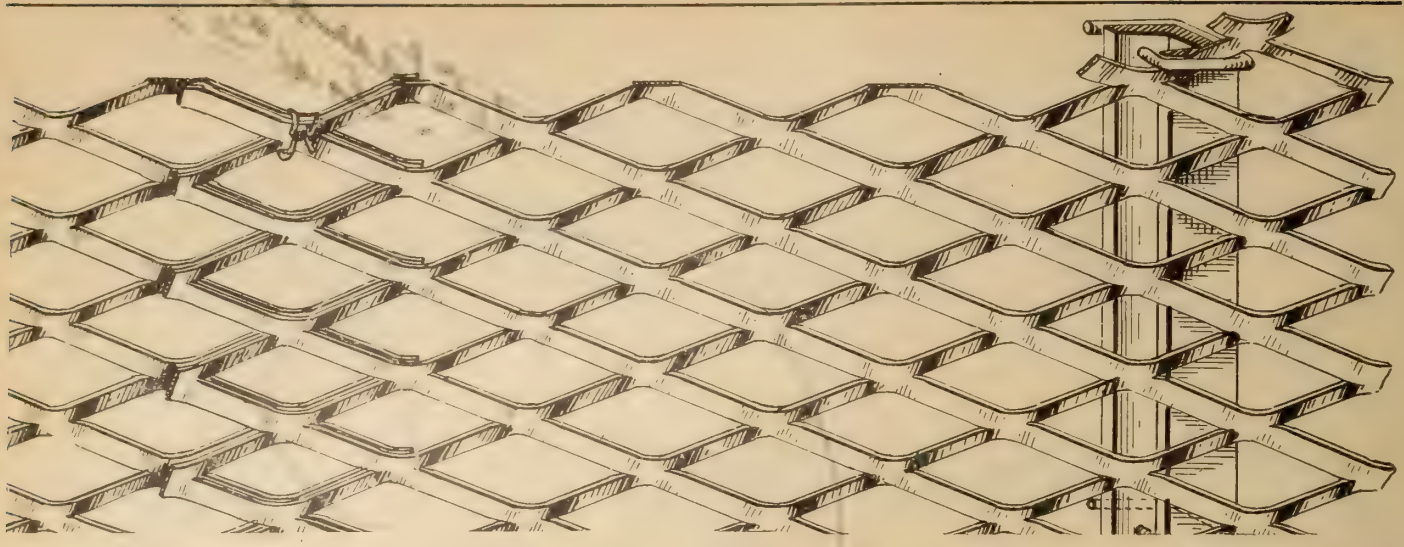
STANDARD SILVER CO.

LIMITED

Makers of "Silverware that Sells"

33-41 Hayter St., Toronto, Can.





Expanded Metal Lath

FOR FIREPROOF PARTITIONS, CORNICES, FALSEWORK.

Cheapest and Best in the Market.

PERFECT KEY.

Write for Prices and Discounts.

EXPANDED METAL & FIREPROOFING CO., Limited, 100 King West, TORONTO



STANLEY RULE & LEVEL CO.,

NEW BRITAIN, CONN., U.S.A.

IMPROVED CARPENTERS' TOOLS

SOLD BY ALL HARDWARE DEALERS.

THE **"GLOBE"** POLISH HAS COME TO **STAY** AND ALL **DEALERS** CAN STOCK IT WITHOUT HESITATION.

TRY "GLOBE" AND YOU WILL USE NO OTHER. IT IS THE BEST.

"GLOBE" METAL POLISH

Write for a supply of
Show cards and Advertising Novelties.

—WE SHALL BE PLEASED TO ANSWER ALL ENQUIRIES.—

RAIMES & CO., 164 DUANE ST., NEW YORK CITY.

John Bowman

HARDWARE & COAL CO.

LONDON, ONT.

Our stock of goods for the spring trade is now complete, and we can fill all orders promptly on the following lines :

Wire, Nails, Cordage, Window Glass, White Lead, Paints, Whiting, Churns, Linseed Oil, Spades and Shovels, Screen Doors, Wove Wire, Poultry Netting, Builders' Hardware, Guns and Sporting Goods. Finest stock in the Province of Cutlery.

Prompt Shipment. Prices Right.

DOMINION WIRE MANUFACTURING COMPANY

LIMITED

MONTREAL and TORONTO

WORKS AT

DOMINION

NEAR MONTREAL

GOODS MARKED DOMINION ARE GUARANTEED

Locks and Builders' Hardware.

We have a most complete line of all these goods, including the very newest ideas in

Bronze and Brass Knobs, Door Sets and Escutcheons.

LOCKS AND LATCHES OF ALL KINDS.

Any dealer asking for a catalogue will be sent full prices, discount sheets, etc., etc. Drop a card.

ESTABLISHED 1843. INCORPORATED 1893.

THE Gurney-Tilden Co., LIMITED

Hamilton. Toronto. Montreal.

AGENCIES :—ST. JOHN, N. B., VANCOUVER, B. C.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

Montreal, June 13, 1902.

HARDWARE.

THE situation in the hardware trade as well as in other lines of business, in Montreal, is somewhat brighter than last week, though in comparison with former years the market is not as active as it might be, owing in a measure to the cold, rainy weather. The settlement of the three or four strikes, however, has had a good effect on business. Building contracts can now be taken with assurance of their being carried out, and operations are in rapid progress. The manufacturers are all busy, many of them having difficulty in keeping up with the demand. Chisels have advanced this week. The discount on socket firmer, socket framing, socket corner and carpenters' slick is now 67 per cent. instead of 70 per cent. Paring chisels are now discounted at 12½ and 5 per cent. instead of 20 per cent.

SCYTHES.—There is a fair movement in scythes this week, although the trade has been in most places well supplied. The prices here quoted are unchanged from those of last week. They are as follows: Lance, No. 80, $5.50; Hurd's Clipper, $6.50; concave, $7.50; Sibley, $8.50; Cradle scythes, cast steel, $8.50; silver steel, $9.50; "Harvest King," $10.50. Bush scythes, $6.50.

BARB WIRE.—There are a few orders still coming in, and the price per 100 lb. f.o.b. Montreal is $3.

GALVANIZED WIRE.—Business in galvanized wire is still quiet, and sales are made at unchanged figures. We quote: Nos. 6, 7 and 8 gauge, $3.45; No. 9, $2.80; No. 10, $3.55; No. 11, $3.65; No. 12, $2.95; No. 13, $3.05; No. 14, $4.05; No. 15, $4.55; No. 16, $4.80; No. 17, $5.20; No. 18, $5.45.

SMOOTH STEEL WIRE.—The inquiry continues light, and the market is quiet but steady. Quotations are as follows: Bright iron and annealed on a base of $2.60 per 100 lb. f.o.b. Montreal, Toronto, Halifax, London, Hamilton and St. John. Net extras per 100 lb. are as follows: Coppered wire, 60c.; tinned wire, $2; oiling, 10c.; spring wire, $1.25; best steel wire, 75c.; bright soft drawn, 15c.; special hay-baling wire, 30c.

FINE WIRE.—There is little doing in fine wire. Discount, 22½ per cent.

BRASS AND COPPER WIRE.—Trade in these lines is still quiet. Discount, 60 per cent.

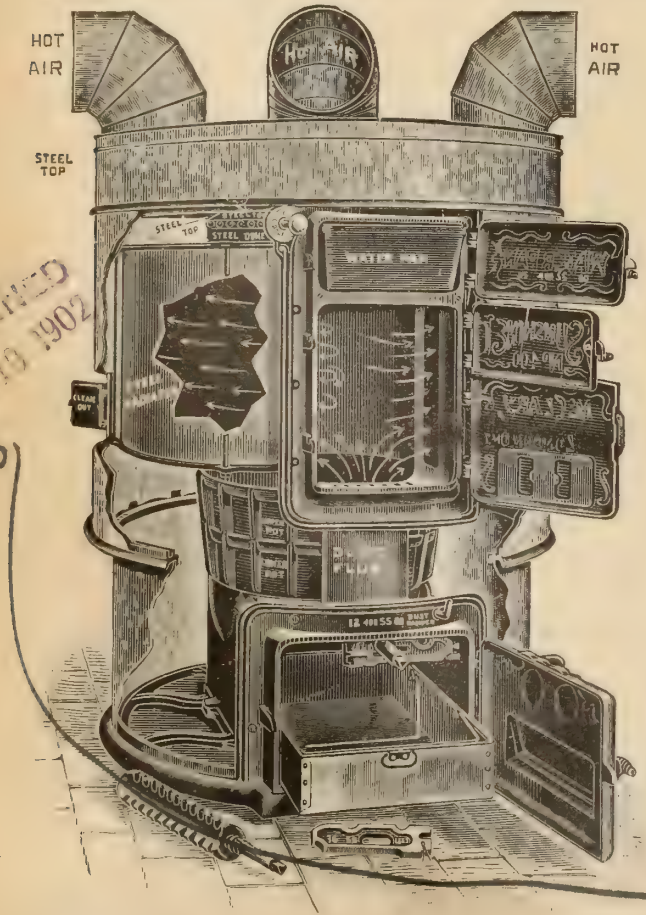
FENCE STAPLES.—A few orders have been received for staples this week, but the trade throughout the country is now fairly well supplied. The price of bright staples is $2.90 per 100-lb. keg, and galvanized, $3.25. For 25 and 50-lb. packages, 25c. extra is charged.

WIRE NAILS.—The market for wire nails is in a fairly active condition, and the price is $2.25 for small lots and $2.50 for carlots f.o.b. Montreal, London, Hamilton, Toronto, Gananoque, Brantford, Windsor, Ont., St. John and Halifax.

CUT NAILS.—There is a good demand for cut nails at the prices here quoted, and the market is quite active. In small lots the price is $2.45 per keg, and in carlots, $2.37½ per keg. The discounts on coopers' nails and flour barrel nails is 40 per cent.

HORSE NAILS.—Jobbers report but a light inquiry for these, the season's active trade being about over. Discounts follow: "C" brand, 50 and 7½ per cent. off; "M" brand, for "Oval" and "New City" heads, 60 per cent. off, and for "New Countersunk" heads, 66 2-3 per cent. off. "Monarch" horse nails are also discounted at 66 2-3 per cent.

HORSESHOES.—The market is not active. The combination of manufacturers came to an end last week and each is making his own prices. These, however, have been well kept up so far and no change is yet in sight. We quote: Iron shoes, light and medium pattern, No. 2 and larger, $3.50; No. 1 and smaller,



Cut Shows—Double Feed Door, Sectional Fire Pot, Action of Fire, Dust Flue, Ash Pan, Water Pan, Section of Grate and How it is Removed, Galvanized Casing with Flat Cap and Pipes off Top.

SUNSHINE is the most profitable furnace for

U to handle, because it

Never fails to give the best of satisfaction.

See testimonials from all parts of Canada, in catalogue, which we are now sending out, and

Hear what users of the "Sunshine" say about

Its being a fuel and labor-saver and do not forget that it does

Not cost any more than common heaters.

Enquire for prices and complete information.

THE McCLARY MANUFACTURING CO.,

London, Toronto, Montreal, Winnipeg, Vancouver, St. John, N.B.

"EVERYTHING FOR THE TINSHOP."

ENGLISH
GERMAN
BELGIAN
CANADIAN
AMERICAN
} PORTLAND CEMENTS.

FIRE
BUILDING
ENAMELLED
SILICA
MAGNESIA
} BRICKS.

DRAIN
CULVERT
} PIPES.

F. HYDE & CO.
31 WELLINGTON ST., MONTREAL

. . FULL STOCK . .
Salt Glazed Vitrified
SEWER PIPE
Double Strength Culvert Pipe a Specialty.
THE CANADIAN SEWER PIPE CO.
HAMILTON, ONT. TORONTO, ONT.
ST. JOHNS, QUE.

Deseronto Iron Co.
LIMITED
DESERONTO, ONT.
Manufacturers of
CHARCOAL PIG IRON
BRAND "DESERONTO."
Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

"MIDLAND"
BRAND
Foundry Pig Iron.
Made from carefully selected Lake Superior Ores, with Connellsville Coke as fuel, "Midland" will rival in quality and grading the very best of the imported brands.
Write for Prices to Sales Agents
Drummond, McCall & Co.
or to MONTREAL, QUE.
Canada Iron Furnace Co.
MIDLAND, ONT. Limited

$3.75; snow shoes, No. 2 and larger, $3.75; No. 1 and smaller, $4.00; X L steel shoes, all sizes, 1 to 5, No. 2 and larger, $3.60; No. 1 and smaller, $3.85; feather-weight, all sizes, $4.85; toe weight, steel shoes, all sizes, $5.95 f.o.b. Montreal; f.o.b. Hamilton, London and Guelph, 10c. extra.

SCREWS.—There is an active movement in screws this week. No quotable changes have been made. Discounts are as follows: Round head bright, 82½ and 10 per cent.; flat head bright, 87½ and 10 per cent.; brass, round heads, 75 and 10 per cent.; brass, flat heads, 80 and 10 per cent.

BOLTS.—The demand for bolts and nuts keeps up and a good business is being done. The discounts are now as follows: Norway carriage bolts, 55 per cent.; common, 50 per cent.; full square carriage bolts, 55 per cent.; machine bolts, 50 and 5 per cent.; coach screws, 66 2-3 per cent.; sleigh shoe bolts, 65 and 5 per cent.; blank bolts, 50 and 5 per cent.; bolt ends, 50 and 5 per cent.; plough bolts, 50 and 5 per cent. To any retailer an extra discount of 10 per cent. is allowed. Tire bolts, 67½ per cent.; stove bolts, 67½ per cent. Nuts, square, 3¼ per lb. off list; hexagon nuts, 3¾c. per lb. off list. To all retailers an extra discount of ¼c. per lb. is allowed.

BUILDING PAPER.—An advance in dry and tar sheathing of 5c. was made last week. At the new figures the market is firm and quite active. We quote: Tarred felt, $1.70 per 100 lb.; 2-ply, ready roofing, 85c. per roll; 3-ply, $1.10 per roll; carpet felt, $2.25 per 100 lb.; dry sheathing, 35c. per roll; tar sheathing, 15c. per roll; dry fibre, 50c. per roll; tarred fibre, 60c. per roll; O K and I X L, 65c. per roll; heavy straw sheathing, $30 per ton; slaters' felt, 60c. per roll.

CORDAGE.—Business in rope is rather quiet this week. The demand for hay-fork rope will soon commence. In binder twine, supplies in manufacturers' hands are becoming light. No advance, however, is anticipated at present. Quotations are as follows: Manila, 16c.; British manila, 14½c.; sisal, 13c.; lathyarn, 11½c. Prices on binder twine are as follows: Blue Ribbon, 650 feet to the pound, 15c.; Redcat, 600 feet to the pound, 14c.; Tiger, 550 feet to the pound, 13c.; Standard, 500 feet to the pound, 11½c.; sisal, 500 feet to the pound, 11½c. Prices are subject to a rebate of ¼c. in carload lots.

RIVETS AND BURRS.—In this market there is a moderate trade doing. No change has been made in the discounts: Best iron rivets, section carriage, and wagon box, black rivets, tinned do., coopers' rivets and tinned swedes rivets, 60 and 10 per cent.; swedes iron burrs are quoted at 55 per cent. off; copper rivets, with the usual proportion of burrs, 45 and 10 per cent. off, and coppered iron rivets and burrs, in 5-lb. carton boxes, are quoted at 60 and 10 per cent. off list.

SCREEN WIRE CLOTH.—There is still a good demand for this, although the heaviest portion of the trade is over. The price is $1.37½ per 100 square feet.

POULTRY NETTING.—There is a good trade doing at unchanged prices. Canadian or English are discounted as follows: 2 x 2 mesh, 19 wire, 50 and 10 per cent.; 2 x 2 mesh, heavier wire, 50 per cent. Canadian list used.

HARVEST TOOLS.—Business in har-

A. C. LESLIE & CO.
HEADQUARTERS FOR
Sanderson's Tool Steel
Merchant Bar Steel
Bar, Band and Hoop Iron
Steel Sheets and Plates
Structural Steel, etc., etc.
Import Orders for Wholesale Buyers Only.
509-512 Merchants Bank Building,
MONTREAL.

THE R. McDOUGALL CO., Limited,
GALT, ONT.
Manufacturers of


Iron and Brass
PUMPS
FOR ALL SERVICES.
FORCE PUMPS,
LIFT PUMPS,
CISTERN PUMPS,
HAND OR POWER PUMPS
OF ALL KINDS.
Catalogue for the asking.
OUR MOTTO: "The best quality and right prices."

We offer for Prompt Shipment—
Pig Iron,
No. 1 "Carnbroe"
No. 3 "Middlesbro"
Pig Tin,
Straits
Lamb & Flag
Ingot Copper,
"M. & A." and "Lake"
Lead,
Antimony.
ADAM HOPE & CO.
Hamilton, Ont.

NOVA SCOTIA STEEL & COAL CO., Limited
NEW GLASGOW, N.S.
Manufacturers of
Ferrona Pig Iron
And SIEMENS MARTIN
OPEN HEARTH STEEL.



More **Elastilite Varnish**

sold up to date this year than during any previous twelve months since we introduced it. "Reason?" There never has been, there is not now, and we doubt if there ever will be a Varnish put up, either by domestic or foreign makers, equal to ELASTILITE for the same money.

In tins only, from ½-pints to 1 gallon.

MANUFACTURED ONLY BY

The Imperial Varnish & Color Co. LIMITED

Toronto, Ont., Canada.

Canadian Agents for Buehne's "Red, White and Blue" Brand Steel Wool.

The Reason . .

a great many hardware merchants are not making the paint end of their business pay is because they have been working on a cheap line of goods.

No real, good house paint, backed by a guarantee such as ours, can be sold for one cent less per gallon than

"Ark Brand" Paint

and yet, while we claim "Ark Brand" to be good value, we cannot say it is cheap. Stock a paint that will increase your trade.

EVERY CAN GUARANTEED.

THE **FRANCIS-FROST CO.** Limited
TORONTO.

Canadian Distributing Agents for Grippin's Crack Filler.

vest tools is brisk this week. The discount is still 60 per cent.

FIREBRICKS.—There is a fair demand for firebricks on this market. The price of English is $16 to $22, and of Scotch, $17 to $22 per 1,000.

CEMENT.—Since the decline of last week no further change in price has been reported. The demand is more than fair. We quote: Canadian cement, $1.90 to $2.25; German, $2.20 to $2.30; English, $2.15 to $2.25; Belgian, $1.70 to $1.95 per bbl. ex-wharf, and American, $2.10 to $2.20 ex-cars.

METALS.

The metal market is active and prices in most lines have been steadily held. It is expected that the termination of the war will bring on an increased demand for iron and steel, though it will be difficult to meet this if the present local demand keeps up. The English metal market, in some lines, has lost its firmness. Canada plates are being offered at considerably reduced prices, and pig lead is quoted 2s. 6d. lower. Sheet zinc and spelter, however, have advanced. Locally, the only change to report is in pig tin, which is quoted higher.

PIG IRON.—The market continues firm at the figures here given. The inquiry keeps up, but it is difficult to secure deliveries. Canadian is quoted at $18.50 to $19, and Summerlee, at $21.50 to $22.

BAR IRON.—Trade is active. Some irregularity in bar iron was reported, the largest producer holding prices above the independent mills. This, however, is expected to soon be remedied. The price of merchants' bar is $2, and horseshoe iron, $2.20.

BLACK SHEETS.—There is a moderate inquiry for black sheets. No quotable change is to be reported. We quote: 28 gauge, $2.65; 26 gauge, $2.60; 20 to 24 gauge, $2.50, and 8 to 20 gauge, $2.50.

GALVANIZED IRON.—The market continues active. Prices quoted are unchanged. They are: No. 28, Queen's Head, $4.40; Apollo, 10¾ oz., $4.40; Fleur de Lis, $4.15; Comet, $4.25; "Bell" brand, $4.30. For less than case lots 10c. extra is charged.

INGOT COPPER.—There is a firmer feeling in the local market and some dealers are looking for an advance. At the present price of 14c. there is a fair trade doing.

INGOT TIN.—The demand for ingot tin is increasing. Trade this week has been fairly good. The price of Straits has been advanced ½c., and is now 33½c.

PIG LEAD.—Locally, there is only a light inquiry. On the English market a decline took place of 2s. 6d., but the price here is still $3.25.

LEAD PIPE.—There is a good, steady movement in lead pipe at unchanged prices. Composition waste is sold at 7½c., and ordinary at 7c. The discount is 37½ per cent.

IRON PIPE.—Trade is brisk. No quotable change has been made. We quote as follows: Black pipe, ⅛, $3; ¼, $2.40; ⅜, $2.65; ½, $3; ¾, $3.70; 1-in., $5.25; 1¼, $7.40; 1½, $8.90; 2-in., $12.40. Galvanized, ¼, $3.20; ⅜, $3.45; ½, $4; ¾, $5.05; 1-in., $7.25; 1¼, $10.10; 1½, $12.15; 2-in., $16.70. Extra heavy pipe, plain ends, are quoted, per 100 ft., as follows: Black, ½, $4.35; ¾, $5.30; 1-in., $7.60; 1¼, $10.60; 1½, $12.70; 2-in., $17.45. Galvanized, ½, $5.35; ¾, $6.70; 1-in., $9.60; 1¼, $13.30; 1½, $15.95; 2-in., $21.75. For threads and couplings 5 per cent. is added.

TINPLATES.—There appears to be some scarcity of these on the local market. The demand, however, is not great. Charcoals are now quoted at $4.75 to $5.25 per box, and cokes, at $4.25 per box.

CANADA PLATE.—The English market for Canada plate has shown considerable weakness, and further declines are reported in the price. On this market there has been no important change. Our quotations follow: 52's, $2.70 to $2.80; 60's, $2.85 to $2.90; 75's, $2.80 to $2.85; full polished, $3.75, and galvanized, $4.25 to $4.35.

STEEL.—The market has been steady under an active demand, and our quotations are now as follows: Sleighshoe, $2.10; tire, $2.20; bar, $2.05; spring, $2.85; reeled machinery, $2.75; toecalk, $2.70.

SHEET STEEL.—The inquiry continues fair and no change in price is reported. Our quotations are as follows: Nos. 10 to 20, $2.50; 3-16, $2.50; ¼, 5-16 and ⅜, $2.40.

TOOL STEEL.—The market remains very quiet. We quote: Black Diamond, 8c.; Sanderson's, 8 to 12c., according to grade; Jessop's, 13c.; Leonard's, 7½c.; Jonas & Colver's, 8 to 15c.; "Air Hardening," 30 to 50c.

TERNE PLATES.—There has been some inquiry this week, and a small amount of business was done at $7.50.

COIL CHAIN.—The demand for chain has not improved and the market remains quiet. Our quotations are as

follows : No. 6, 12½c.; No. 5, 10½c.; No. 4, 10c.; No. 3, 9½c.; ¼-inch, 7¼c. per lb.; 5-16, $5 ; 5-16 exact, $5.25 ; ⅜, $4.25 ; 7-16, $4.05 ; ½, $3.95 ; 9-16, $3.85 ; ⅝, $3.55 ; ¾, $3.50 ; ⅞, $3.45 ; 1-inch, $3.45. In carload lots an allowance of 10c. is made.

SHEET ZINC.—This has advanced on the English market about 10s. Locally, the price is $5.85 to $6.25, with a quiet trade.

ANTIMONY.—There is little doing. We quote 10c.

ZINC SPELTER.—The market is quiet and unchanged. An advance is reported on the English market. The price here is 5c.

SOLDER.—Wire solder sells for 20c., and bar solder, 18c. A good steady movement continues.

PAINTS AND OILS.

Turpentine and linseed oil are still quoted at the same figures this week. The market for turpentine has kept firm, both locally and in the South. Shipments of linseed oil have not arrived in any large quantity, and supplies on hand continue light. Nothwithstanding this, there is a much easier feeling in oil, in sympathy with the English market, and the opinion obtains that the next change made will be a reduction in the price, if anything. The scarcity of linseed oil is the only feature of the market which causes any check to the brisk trade. Paris green continues to be shipped in increasing quantities. There has been no advance in the price, but there is, at the least, no inclination to shade the schedule figures for quantity orders. Red lead, litharge, orange mineral and all their products are moving out steadily at firm prices. There is some shortage in dry white lead which is hampering grinders to some extent. A certain amount of cutting is reported in varnishes, which seems to be very unwise, in view of the high cost of turpentine and gums. Painters are all very busy, and a first-class workman is hard to get. We quote :

WHITE LEAD.—Best brands, Government standard, $5.87½ ; No. 1, $5.50 ; No. 2, $5.12½ ; No. 3, $4.75 ; No. 4, $4.37½ all f.o.b. Montreal.

DRY WHITE LEAD.—$5.25 in casks ; kegs, $5.50.

DRY WHITE ZINC.—Pure dry, 6¼c. ; No. 1, 5¼c.; in oil, pure, 7¼c.; No. 1, 6¼.; No. 2, 5¼c.

PUTTY.—We quote : Bulk, in bbls., $1.90 per 100 lb.; bulk, in less quantity, $2.05 ; bladders, in bbls., $2.25 ; bladders, in 100 or 200-lb. kegs or boxes, $2.40 ; in tins, $2.55 to $2.65 ; in less than 100-lb. lots, $3 f.o.b. Montreal, Ottawa, Toronto, Hamilton, London and Guelph. Maritime Provinces, 10c. higher, f.o.b. St. John and Halifax.

ORANGE MINERAL.—Casks, 7c.; 100-lb. kegs, 7¼c.; smaller quantities, 8¼c.

RED LEAD.—Genuine red lead, in casks, $4.50 ; in 100-lb. kegs, $4.75 ; in less quantities, $5.75 per 100 lb. No. 1 red lead, casks, $4.25 ; kegs, $4.50, and smaller quantities, $5.50.

LITHARGE.—Ground, casks, 5c. ; less quantities, 5½c.; flake litharge, casks, $5.25 ; smalls, $5.75 per 100 lb.

LINSEED OIL.—Raw, 84c.; boiled, 87c.; In 5 to 9 barrels, 1c. less. Terms, net cash in 30 days. Delivered in Ontario, between Montreal and Oshawa, at 2c. per gallon advance, and freight allowed.

TURPENTINE.—Single barrels, 72c.; 2 to 4 barrels, 71c. Terms, net cash in 30 days.

Experienced Builders VALUE

EASTLAKE SHINGLES,

Galvanized or Painted,

because they are easier and quicker applied, last longer, and give better protection than others.

Experienced dealers are doing a big business in these reliable shingles. They satisfy the requirements of those who want permanent fire and lightning proof roof protection that withstands all weather conditions and is economically trustworthy.

We would like you to realize the practical value of all our many lines of metal building materials and architectural requirements.

One thing sure, you hear no after complaints from customers when you sell our lines—they are of uniform reliable quality. Have You Our Catalogue?

The Metallic Roofing Co., Limited,

TORONTO. MONTREAL. WINNIPEG.

SHELLAC VARNISH.—Pure white, $2.35 to $2.45 ; orange, $2.25 to $2.35.

MIXED PAINTS.—$1.20 to $1.45 per gallon.

CASTOR OIL.—8¾ to 9¼c. in wholesale lots, and ½c. additional for small lots.

SEAL OIL.—48 to 50c.

COD OIL.—35 to 37½c.

PARIS GREEN.—Petroleum, bbls., 16¾c. per lb.; arsenic kegs, 17c.; 50 and 100-lb. drums, 17½c.; 25-lb. drums, 18c.; 1-lb. packages, 18½c.; ½-lb. packages, 20½c.; 1-lb. tins, 19½c.; ½-lb. tins, 21½c. f.o.b. Montreal. Terms : 3 per cent. 30 days, or four months from date of delivery.

SCRAP METALS.

The position of scrap metals is practically unchanged. There is a fair trade doing. There has been no further reduction in the price of iron, which, however, is easy at present figures. We quote as follows : Heavy copper and wire, 10½c. per lb.; light copper, 8c.; heavy red brass, 10½c.; heavy yellow, 9c.; light brass, 5c.; lead, 2 to 2¼c.; zinc, 2¼c.; iron No. 1, wrought, $15 ; No. 2, $7 per ton ; machinery scrap, $16 ; stove plate, $12 ; malleable and steel, $5 ; mixed country rags, 60 to 70c. per 100 lb. ; old rubbers, 6¼c. per lb.

GLASS.

There is very little doing. We quote as follows : First break, 50 ft., $2.10 ; second, $2.20 for 50 feet ; first break, 100 feet, $4 ; second break, $4.20 ; third break, $4.70 ; fourth break, $4.95.

HIDES.

The market is quiet. Calfskins show the only change in price, having declined 1c. more. We quote : No. 1 hides, 8 to 9c.; No. 2, 7c.; No. 3, 6c. No. 1 calfskins, 10c.; sheepskins, 70c.; lambskins, 15c. per lb.

MONTREAL NOTES.

No. 1 calfskins are 1c. lower.

Ingot tin has advanced ½c. for Straits.

Chisels have advanced from 3 to 7 per cent.

Dry sheathing building paper and tar sheathing are 5c. higher.

ONTARIO MARKETS.

Toronto, June 13, 1902.

HARDWARE.

THERE is still a steady business doing in hardware and trade is gradually shifting more toward harvest tools, including scythes, scythe-stones, grindstones and other lines that the farmers require for the season. There is every indication of a large crop of hay, and so the demand for scythes, snaths and cradles will be heavy. The woodenware manufacturerrs have advanced their prices 10 per cent. on some lines, such as step ladders, towel rollers, rolling pins, pastry boards, sleighs, etc., and the appreciation in prices of cast hardware of Canadian manufacture noted last week has been maintained. This advance is placed on the higher prices of raw material and labor. There has also been an advance of ½c. in cut lengths of lead pipe, and fittings of soil pipe are now being quoted at the same prices as the pipe.

BARB WIRE.—There is a good sorting trade being done in barb wire, and the prices are unchanged. We quote : F.o.b. Cleveland, $2.77½ for less than carlots and $2.65 for carlots. From stock, Toronto, $3.

GALVANIZED WIRE.—Business in this line is also good. Advices from the United States say that the demand there is much better. Quotations are : Nos. 6, 7 and 8, $3.50 to $3.85 per 100 lb., according to quantity ; No. 9, $2.85 to $3.15 ; No. 10, $3.60 to $3.95 ; No. 11, $3.70 to $4.10 ; No. 12, $3 to $3.30 ; No. 13, $3.10 to $3.40 ; No. 14, $4.10 to $4.50 ; No. 15, $4.60 to $5.50 ; No. 16, $4.85 to $5.35. Nos. 6 to 9 base f.o.b. Cleveland are quoted at $2.52½ in less than carlots and 12c. less for carlots of 15 tons.

SMOOTH STEEL WIRE.—In all kinds of smooth steel wire the business doing is brisk. We quote base price at $2.60 per 100 lb. Oiling, 10c.; coppering, 60c.;and tinning, $2 per 100 lb. extra. Delivery points Toronto, Hamilton, London and Mont-

real, with freights equalized on those points.

FINE STEEL WIRE.—The trade doing is fair, and the discount is still 22½ per cent.

WIRE NAILS.—There is still a steady demand and the prices remain as they were last week. We quote $2.55 for less than carlots and $2.50 for carlots. The delivery points are Toronto, Hamilton, London, Gananoque, and Montreal.

CUT NAILS.—There has been no improvement in the demand for cut nails, but only a few smaller sizes are being called for. The base price is $2.45 per keg and 7½c. less for carlots.

HORSE NAILS.—Trade is picking up. The makers are claiming that the prices are too low and should advance. Discounts follow: "C" brand, oval head, 50 and 7½ per cent.; on "M" brand, 50, 10 and 5 per cent.; "Monarch," 60 2-3 per cent. Countersunk head, 60 per cent.

HORSESHOES.—In horseshoes there is a fair trade still being done. We quote f.o.b. Toronto as follows: Iron shoes, No. 2 and larger, light, medium and heavy, $3.60; snow shoes, $3.85; light steel shoes, $3.70; featherweight (all sizes), $4.95; iron shoes, No. 1 and smaller, light, medium and heavy (all sizes), $3.85; snow shoes, $4; light steel shoes, $3.95; featherweight (all sizes), $4.95.

SCREWS.—Trade has improved, but the lightness of stocks on hand makes it hard to fill orders. The discounts are now as follows: Flat head bright, 87½ and 10 per cent.; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.; round head bronze, 65 per cent., and flat head bronze 70 per cent.

RIVETS AND BURRS.—The active demand for rivets and burrs makes it impossible to keep sufficient stocks on hand to fill orders. Our quotations are now as follows: Iron rivets, 60 and 10 per cent.; iron burrs, 55 per cent.; copper rivets, with usual proportion of burrs, 45 and 10 per cent.; copper burrs alone, 30 and 10 per cent.

BOLTS AND NUTS.—The demand is still good, but the market is bare of supplies owing to the scarcity of raw material. Quotations follow: Carriage bolts, common ($1.00 list), 50 per cent.; carriage bolts, full square ($2.40 list), 55 per cent.; carriage bolts, Norway iron ($3 list), 55 per cent.; machine bolts, all sizes, 50 and 5 per cent.; coach screws, cone points, 66 2-3 per cent.; elevator shaft and whiffletree bolts, 50 per cent.

SCREEN DOORS AND WINDOWS.—A good sorting-up business is springing up and orders are coming in from all directions. We quote: Common doors, two or three panel, f.o.b. factory points as follows: Walnut, stained, 3-inch style, $6.80 per dozen; stained, yellow, $7; natural color, oil finish, $8.15; 4-inch style, 20c. extra per dozen. Windows: No. 0, $1.60; No. 1, $1.70; No. 2, $1.95; No. 3, $2.10; No. 4, $2.50 per dozen.

GREEN WIRE CLOTH.—There is in green wire cloth a steady sorting trade being done. Our quotations are unchanged at $1.37½ per 100 square feet.

SPADES AND SHOVELS.—There is merely a small sorting-up trade being done. The discounts are 10 and 5 per cent.

ROPE.—Business in rope is starting up nicely, especially for hay fork sizes, and trade in this line should this year be very large. We quote as follows: Pure manila, 16c.; British manila, 14½c.; sisal, 13c.; lathyarn, 12c.; sisal bed cord, 3 cord, 48 ft., 65c.; 60 ft., 80c.; 72 ft., 95c. per doz.

BINDER TWINE.—We quote: "Blue Ribbon," 650 feet, 15c.; "Red Cap," 600 feet, 14c.; "Tiger," 580 feet, 13c.; sisal, 500 feet, 11½c.

EAVETROUGH, ETC.—Trade is good in eavetroughing this week. Quotations are as follows: Eavetrough, $3.10 per 100 square feet, for 10-inch, and conductor pipe at $4 for 3-inch, and $5.25 for 4-inch.

HARVEST TOOLS.—Evidently the trade feel that it is good to have a heavy stock of harvest tools on hand for business has been good this week and the sorting orders are larger than usual. Orders in "D" handle goods have not been filled yet by the manufacturers. The discounts remain at 60 per cent.

BUILDING PAPER.—The trade doing has been steady. Quotations are as follows: Dry sheathing, grey or straw, 35c. per roll; tar sheathing, grey or straw, 45c. per roll; dry fibre, 50c. per roll; tarred fibre, 60c. per roll.

LAWN MOWERS.—There is a larger demand for lawn mowers than jobbers can supply, and the factories are still behind with their orders. Discount is 50 per cent. on high-wheeled lawn mowers, "Star" mowers, 9-in. wheels, $2.25 to $3; "Daisy" mowers, 17-in. wheels, $2.25 to $2.50.

HARVEST WHIPS.—There are some being sold, but trade has not yet quite started.

POULTRY NETTING.—There are a good many orders coming in and the prices are unchanged.

TINWARE AND ENAMELLED WARE.—Trade in this line is good and the prices are steady.

SPORTING GOODS.—There has developed quite a trade in ammunition, and some early orders for guns have been received. There are a good many loaded shells being shipped all over the country.

CEMENT.—The strength of the cement market is still a feature. Trade is now active, and manufacturers are busy. We quote as follows: Canadian Portland, $2 to $2.85; Canadian hydraulic, $1.35 to $1.60; German cement, $3; English, $3 to $3.15; Belgian, $2.50 to $2.75 per bbl.

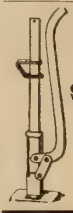
METALS.

The local condition of the general metal trade continues satisfactory, the demand in most lines being well maintained. The feature of the outside market this week was the sharp advance in New York of spot tin, owing to the limited offerings there. The demand was light, but urgent. The weakness in the London spot tin market still prevails.

PIG IRON.—The situation is unchanged from last week, the difficulty of obtaining deliveries still being felt. The market is strong and unchanged. In the United States there have been some slight advances. We quote on track, Toronto: No. 1 foundry, $21; No. 2, $20.50.

STEEL BOILER PLATES.—These continue scarce and wanted. Quotations are $1.80 for carload lots on track, Toronto.

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.
'WELLINGTON' KNIFE POLISH
JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
Wellington Mills, London, England.
Agent:
JOHN FORMAN, 644 Craig Street
MONTREAL

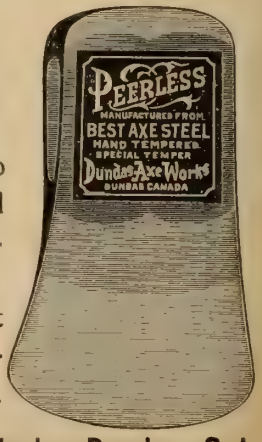

COVERT MFG. CO.
West Troy, N.Y.
Steel Carriage and Wagon Jacks,
Harness Snaps, Chain, Rope and Web Goods, etc.
FOR SALE BY JOBBERS AT MFRS. PRICES.

PRIEST'S CLIPPERS


Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., U.S.A.

The Best Door Closer is . . .
NEWMAN'S INVINCIBLE FLOOR SPRING
Will close a door silently against any pressure of wind. Has many working advantages over the ordinary spring, and has twice the wear. In use throughout Great Britain and the Colonies. Gives perfect satisfaction. Made only by
W. NEWMAN & SONS,
Hospital St., - - BIRMINGHAM.

Oneida Community Goods
HALTERS, COW TIES SNAPS, etc., etc.,
in all sizes and styles. May be had of all jobbers throughout Canada.
Factory—NIAGARA FALLS, ONT.

A RECORD
Out of 6,000 Axes sold under guarantee in 1901 we did not have six returned broken.


Dundas Axe Works, Dundas, Ont.
W. L. Haldimand, Jr., Montreal Agent.

STEEL BEAMS—There is an active trade being done in this line, and the market is strong. Our quotations are, from stock, $2.75, and carloads on track, $2 per 100 lb.

STEEL RAILS—We continue to quote steel rails of Canadian manufacture at $36 per ton. The Clergue works next week are increasing their capacity to 600 tons per day.

TOOL STEEL—The demand is good, and although there is a fair supply, stocks in this line are lighter than they were. Prices are steady and unchanged. We quote: "B C" and "Black Diamond," 10 to 11c.; Jessop's, Morton's and Firth's, 14c.; Jonas & Colver's, 8 to 15c.; ditto, "Air Hardening," 30 to 50c.; Chas. Leonard's, 8 to 9c.; Park's "Silver," 12 to 14c.; Park's Special, 15 to 20c.

SPRING STEEL—The demand is active. New quotations will probably be out July 1, and are likely to be higher than those at present ruling.

MILD STEEL—This line, next to boiler plates, is the scarcest article in the metal trade.

BAR IRON—The deliveries in this line are still slow and it is almost impossible to get supplies of raw material. We quote $1.95 to $2 05 base. Extras cut to length while rolling; 2 ft. and over, 10c. per 100 lb.; 1 ft. and under 2 ft., 15c.; under 1 ft. 20c.; over 20 ft. by special agreement, according to length and size.

BLACK SHEETS—These have been active during the week. Quotations follow: Common, $3.15 for 28 gauge; and dead flat, $2.50 for 26 gauge.

CANADA PLATES—The demand for Canada plates is starting to set in. Our quotations are as follows: Al dull, $3; half polished, $3.10; all bright, $3.75.

GALVANIZED SHEETS — The stocks are light and the demand is good. Quotations in case lots are as follows: Queen's Head, $4.50 for 28 gauge; American, $4 40 for 29 gauge, Bell brand, $4.20 for 28 gauge.

TIN—There has been some business in small lots doing. Outside prices in the United States have been advancing this week, but the weakness of the London market has become more pronounced. Quotations are $33 to $34 per 100 lb.

TINPLATES—There is a fair amount of business being done in tinplates, with rather more inquiry. We quote: Charcoal, $4.75 to $5 per box, and cokes $4.25 per box.

COPPER—A fair amount of business is being done in ingot copper, and the prices are the same as last week. We quote: Ingot at $14 per 100 lb., and sheet copper at $22 to $23.

BRASS—In this line there is a better trade being done. The discount is 15 per cent.

PIG LEAD—The demand for pig lead continues to improve. We quote as follows: $3 50 to $3.75 for pig and $5 for bar lead.

IRON PIPE—The trade doing is still good and prices are unchanged. We quote per 100 ft.: ¼-in., $2.40; ⅜ in., $2.65; ½-in., $2.85; ¾-in., $3 65; 1-in., $5.20; 1¼ in., $7.35; 1½-in., $8 95; 2-in., $12.55; galvanized, 1-in., $7.20. Trade discount 4 per cent.



NICHOLSON FILE CO.

Dominion Works, Port Hope, Canada.

Manufacturers of HIGH-GRADE HORSE RASPS

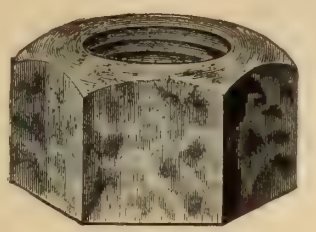
We make the following celebrated brands:

KEARNEY & FOOTE, ARCADE,
AMERICAN, GREAT WESTERN, GLOBE.

Full weight—Sharp tooth—Special temper.

For sale by all prominent Hardware Merchants and Dealers in Blacksmiths' Supplies throughout the Dominion.

WALTER GROSE, Montreal, Selling Agent.



THE JOHN MORROW MACHINE SCREW COMPANY, Limited

Manufacturers of

Set and Cap Screws, Special Milled Work, Engine Studs, Etc. Cold Punched Nuts of every variety of finish.

INGERSOLL, ONT.

ZINC SPELTER — Trade in this line is quiet this week. Quotations are $5.50 to $6.

ZINC SHEETS—These were fairly active during the week. Quotations follow: Cask lots, $6 to $6.25, and part casks $6.25 to $6.50.

SOLDER—A fair amount of business is being done at unchanged price. We quote: Half-and-half, guaranteed, 20c.; do. commercial, 19½c.; refined, 19c.; wiping, 18½c.

ANTIMONY—The trade doing continues fair. We quote $19.50 per 100 lb.

PAINTS AND OILS.

The market this week is without any particular features. No changes in prices have occurred, and the scarcity of raw and boiled linseed oil is still felt, though not so acutely as last week. A lull in the wholesale trade is being experienced after an unusually busy May, during which much stuff was sold and delivered to outside points. White leads are still active, and turpentine continues firm and unchanged. Paris green is quiet, very few orders being received. Liquid paints are still moving to a considerable extent, and the demand for putty is fair. Owing to some cause hard to define our quotations of raw and boiled linseed oil last week were quoted 1c. too low, and we hasten to make the required correction. We quote as follows:

WHITE LEAD—Ex Toronto, pure white lead, $5.87½; No. 1, $5.50; No. 2, $5.12½; No. 3, $4.75; No. 4, $4 37½ in packages of 25 lb. and upwards; ½c. per lb. extra will be charged for 12½ lb. packages; genuine dry white lead in casks, $5.12½.

RED LEAD—Genuine, in casks of 560 lb., $5 to $5.12½; ditto, in kegs of 100 lb., $5.50; No. 1, in casks of 560 lb., $4; ditto, kegs of 100 lb., $4.50.

LITHARGE—Genuine, 6 to 6½c.

ORANGE MINERAL—Genuine, 7½ to 8c.

WHITE ZINC—Genuine, French V.M., in casks, $6 to $6.25; Lehigh, in casks, $6.

SHINGLE STAIN—In 5-gal. lots, 60c. to $1.20 per gal.

BENZINE—In barrel lots, 17c. per gal.; less quantities, 25c. per gal.

PARIS WHITE—90c. to $1 per 100 lb.

WHITING—65c. per 100 lb.; Gilders' whiting, 80c.

GUM SHELLAC—In cases, 35c.; in less than cases, 40c. per lb.

LIQUID SHELLAC—Pure orange, in bbls., $2.25 to $2.35; white, $2.35 to $2.45 per gal.; in less quantities, 10c. extra.

PUTTY—Bladders, in bbls., $2 25; bladders, in 100 lb. kegs, $2 40; bulk in bbls., $1.90; bulk, less than bbls. and up to 100 lb., $2.05; bladders, bulk or tins, less than 100 lb., $2 90.

PLASTER PARIS—New Brunswick, $1.90 per bbl.

PUMICE STONE—Powdered, $2.50 per cwt. in bbls., and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in bbls.

LIQUID PAINTS—Pure, $1.20 to $1.40 per gal.; No. 1, $1.10 per gal.

CASTOR OIL—English, in cases, 9½ to 10c. per lb. and 10 to 10½c. for single tins.

LINSEED OIL—Raw, 1 to 2 barrels, 84c.; boiled, 87c.; 3 to 5 barrels, raw, 83c.; boiled, 86c.; 6 to 9 barrels, raw, 79c.; boiled, 84c., delivered. To Toronto, Hamilton and London, 2c. less. All quantities of 10 bbls. and over of linseed oil, sold only f.o.b. Toronto, Hamilton, London and Guelph.

TURPENTINE—Single barrels, 73c.; 2 to 4 barrels, 72c., delivered. Toronto, Hamilton and London 1c. less. For less quantities than barrels, 5c. per gallon extra will be added, and for 5-gallon packages, 50c., and 10-gallon packages, 80c. will be charged.

GLASS.

There is a shortage in stocks and no immediate prospect of this being relieved. The demand is good and the prices are unchanged. The shipments of glass from Europe are now due and ought to be heard of in a few days. Quotations follow: Under 26 in., $4.45; 26 to 40 in., $4.65; 41 to 50 in., $5.10; 51 to 60 in., $5.35; 61 to 70 in., $5.75; 71 to 80, $6.25; 81 to 85, $7; 86 to 90, $7.75; Toronto, Hamilton and London. Terms, 4 months, or 3 per cent. 30 days. Discount off pane price list, 33⅓ per cent.

OLD MATERIAL.

The trade during the week has been a little better and the market is steady. We quote: Heavy copper and wire, 10¼c. per lb.; light copper, 8c. per lb.; heavy red brass, 10c.; heavy yellow brass, 8 to 8½c.; light brass, 5c.; lead, 2¼c.; scrap zinc, 2¼ to 2½c.; iron, No. 1 wrought, $14 per net ton; No. 2 wrought, $6; machinery cast scrap, $14; stove plate, $10; malleable and steel, $6; old rubbers, 6c. per lb., and country mixed rags, 50c. per 100 lb.

HIDES, SKINS AND WOOL.

HIDES—The market continues steady and the prices are unchanged. Quotations follow: No. 1 green, 7½c.; No. 2 green, 6½c.; No. 1 green, steers, 8½c.; No. 2 green, steers, 7½c.; cured, 8 to 8¼c.

SKINS — Sheepskins are unchanged in price and the season for long-woolled skins is about over. Lambskins and shearlings are plentiful. We quote: No. 1 calfskins, 10c.; and No. 2, 8c; deacons (dairies), 60 to 70c. each; sheepskins, 80c. to $1; lambskins, 20 to 25c.

WOOL—The weakness in the wool market continues without relief and trade is stagnant. Fleece wool brings 13c. and unwashed 7c. per lb. f.o.b. Toronto.

TALLOW—The scarcity of tallow continues and the prices are unchanged at 6¼ to 6½c. per lb.

COAL.

The continued trouble amongst the hard coal miners in the United States has resulted in all quotations on hard coal being withdrawn, and the dissatisfaction amongst the soft coal miners has resulted in an advance of from 50 to 75c. per ton in that commodity. We quote at international bridges: Soft coal, $3 to $4 per ton.

PETROLEUM.

Business continues steady and the prices are unchanged. We quote: Pratt's Astral, 17 to 17½c. in bulk (barrels extra); American water white, 17½ to 18c. in barrels; Photogene, 17 to 17½c.; Sarnia water white, 16½ to 17c. in barrels; Sarnia prime white, 15 to 15½c. in barrels.

MARKET NOTES.

Some lines of woodenware have appreciated 10 per cent.

The list prices of cut lengths of waste lead pipe have been advanced ½c.

H. S. Howland, Sons & Co. are in receipt of a shipment of "Storm King" barn-door hangers and tracks, after experiencing considerable difficulty in getting the manufacturers to fill the orders promptly.

The Humphrey Plating and Hardware Co. is a new concern that is starting business at 364 Queen street west. They placed their first order this week.

All quotations on hard coal at the international bridges have been withdrawn, and the prices of soft coal have advanced 50 to 75c. per ton, owing to the labor troubles at the mines in the United States.

CONDENSED OR "WANT" ADVERTISEMENTS.

Advertisements under this heading, 2c. a word each insertion; cash in advance. Letters, figures, and abbreviations each count as one word in estimating cost.

SITUATION WANTED.

BY YOUNG MAN WITH THOROUGH KNOWLedge of hardware and bookkeeping, a position in retail or wholesale establishment. A1 references. Box 92, HARDWARE AND METAL, Toronto. (24)

BUSINESS FOR SALE.

HARDWARE business in Western Ontario City, established five years. Annual sales $12 000. Well assorted stock of $4,500. Store rental low and expenses light. Good chance for live man who wishes to change his location. Address, Box 91 HARDWARE AND METAL, Toronto. (24-3)

Every Description
Shape and Colors
LABELS
Stock Labels for Hardware trade
LEVY & CO., 19 Leader Le., TORONTO

YOU ARE LOSING MONEY
and sales every day when your stock is not bright and clean.

PICK OUT your damaged stock and have it made bright and new as ever.
WE REPLATE and polish all kinds of metal goods.
COSTS LESS than you think. Just let us do a sample lot for you.
Our Prices are Right.
MOORE & ORR, ELECTRO PLATERS
81 Adelaide W., TORONTO.

The Grey and Bruce Portland Cement Company of Shallow Lake, Limited,
Manufacturers of
"HERCULES" BRAND OF
Portland Cement
Unsurpassed for Sidewalks, Floors, and all work requiring the Highest Grade of Portland Cement.
HEAD OFFICE: OWEN SOUND.

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY, MONTREAL.


PAINTS We manufacture these brands:—"LION," "PEERLESS," "OWL," "RAVEN," also Ready-mixed House and Floor Paints, Roof, Barn, Bridge and Brick Paints, Coach Colors, Varnishes, Japans, etc. Our prices will interest you. Write us,
The Ottawa Paint Works, Ottawa, Ont.

WANTED-- AN AGENT TO SELL
Stocks, Dies and Taps and other Engineers' Hand Tools and Platelayers' Tools to Hardware Factors, Railroad Companies and Mines, on a commission basis. Apply,
Easterbrook, Allcard & CO., LIMITED.
SHEFFIELD, ENGLAND.

TRADE WITH ENGLAND
Every Canadian who wishes to trade successfully with the Old Country should read
"Commercial Intelligence"
(The address is 168 Fleet St., London, England.)
The cost is only 4 cents per week, including postage. (Annual subscription, $2.11.)
Moreover, regular subscribers are allowed to advertise without charge in the paper. See the rules.


WRIGHT'S
Insect
Sprayers
PLAIN TIN,
LACQUERED,
ALL BRASS.
"BEST ON EARTH."
Manufactured by
E. T. WRIGHT & CO.
HAMILTON, ONT., and MONTREAL, QUE.
J. H. Hanson, Agent, Montreal.

DAVID MAXWELL & SONS

ST. MARYS, ONT., CANADA.



Steel Frame Churn.

"Maxwell Favorite Churn"

PATENTED FEATURES: Improved Steel Stand, Roller Bearings, and Foot and Hand Lever Drive, and Detachable Driving Link. Improved for season of 1902. Steel or Wood Frame as desired.

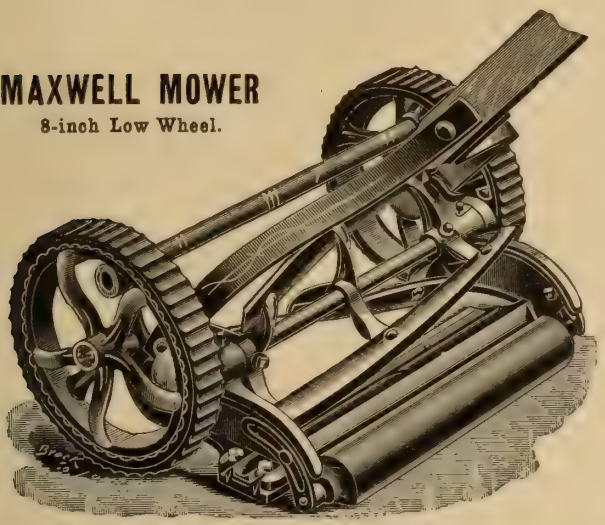
Lawn Mowers. High and Low Wheels. from 12 in. to 20-in, widths. Cold Rolled Steel Shafting, Crucible Steel Knives and Cutting Plate.

Wheelbarrows. In Four different Sizes.

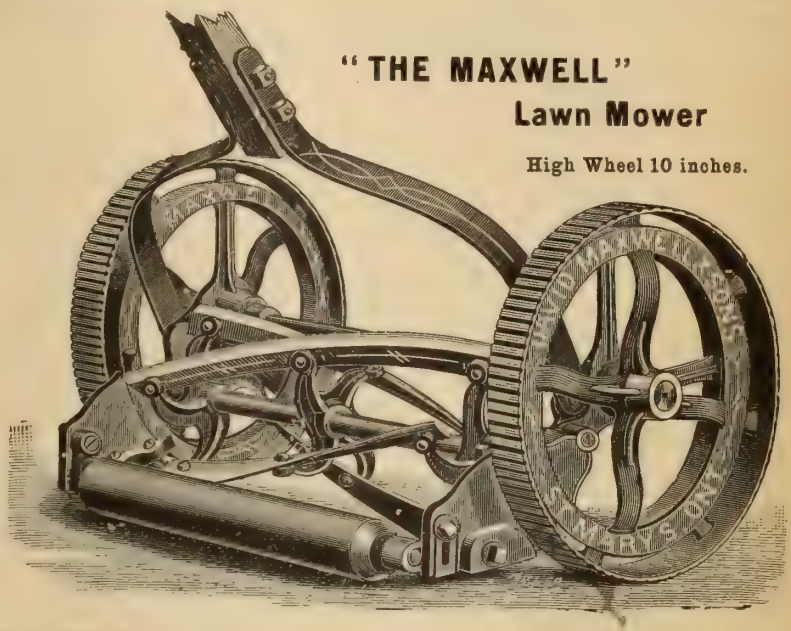
If your Wholesale House does not offer you these articles

SEND DIRECT TO US.

MAXWELL MOWER
8-inch Low Wheel.



"THE MAXWELL"
Lawn Mower
High Wheel 10 inches.



The P. R. Cumming Manufacturing Co., Limited, TORONTO

We beg to advise the trade that we have purchased a large factory in Clarksburg, where we are installing a complete outfit of new automatic machinery for the manufacture of all kinds of **Enamelled Wood Turnings;** and that we have also acquired the business of **The Dominion Skewer Co.,** so that we now possess facilities unequalled in Canada for the production of curtain poles, rings, broom handles, enamelled knobs and handles, skewers, flagstaffs, etc., in addition to our present lines of kitchen specialties, such as can openers, mincing knives, mouse traps, etc.

Yours truly,

The P. R. Cumming Manufacturing Co.,

LIMITED,

90 Richmond Street East, TORONTO.

HEATING AND PLUMBING

BUILDING PERMITS IN TORONTO.

BUILDING permits during the week have been granted in Toronto as follows: R. B. Brown, for a two-storey brick dwelling at 1172 College street, for $1,800; Fensom Elevator Works, for a one-storey brick machine shop on Duke street, opposite Frederick street, for $1,000; G. A. Waddell, for a one-storey wood and plaster dwelling at the corner of Dall avenue and Leslie street, for $200; Delaney & Pettit, for a one-storey brick stock shed on Jefferson avenue, near King street, for $1,000; W. J. Bowman, for a two-storey basement and veneering of dwelling at 345-347 Huron street, for $350; J. B. Thompson, for a brick basement under house at 34 Roylat street, for $450; Jno. Dunlop, for a one-storey brick and glass addition to greenhouse on the corner of Bloor street and Lansdowne avenue for $7,000; Charles Mould, for three two-storey brick and stone dwellings on Perth avenue, for $4,200; W. Scott, for a two-storey brick dwelling at 56 Cowan avenue, for $2,500; George C. Craig, for a pair of two-storey brick dwellings on St. Clarence avenue, near Bloor street, for $5,000; Hugh Davidson, for a frame and roughcast workshop at 201 Symington avenue, for $150; R. Laidlaw & Co., for alterations to factory on St. Lawrence street, near Eastern avenue, for $4,000; Mrs. W. J. Allison, for a summer dwelling on Queen street east, near Waverly Road, for $500; C. Warner, for alterations to dwellings at 378 Adelaide street west; Thomas P. Larkin, for a pair of dwellings on Close avenue, near Empress Crescent, for $5,000; W. Davis, for a brick dwelling at 36 Cottingham street, for $1,000; B. Bromley, for a two-storey dwelling at 12 Vermont avenue, for $850; A. Stanley for alterations to dwelling at 84 Yarmouth Road, for $450; C. R. S. Dinnick, for two pair of 2½-storey brick residences on Wells street, for $8,000; William Galbraith, for a two-storey brick dwelling on West Marion street, near Roncesvaleis avenue, for $2,500; Stallos & Kervale, for a wooden shed on Ossington avenue, for $150; Metallic Roofing Co., for a one-storey galvanized iron workshop on King street west, near Dufferin street, for $300; McKeown & Wilson, for brick underpinning of buildings at 25-27 Saulter street, for $240; Zanzibar Paint Co., for a one-storey wooden shed, covered with galvanized corrugated iron on Atlantic avenue, for $200; Toronto Carpet Co., for a one-storey shed on Mowat avenue, near King street, for $500; Mrs. Keith, for a two-storey roughcast addition to dwelling at 33 Burnfield avenue, for $200; J. Secombe, for a one storey frame stable on Gibson avenue, near Yonge street, for $450; Lewis Brown, for a brick baking oven on the corner of Eastern and Booth avenues, for $400; Foundry Specialty Co., for alterations to store on McDonnell Square, near Bathurst street, for $150; Mrs. G. Bell, for a two-storey roughcast dwelling at 199 First avenue, for $900; Joseph and Thomas Reid, for a pair of two-storey brick and roughcast dwellings on Burnfield avenue, for $1,100; George Keen, for a two-storey dwelling on Preston avenue, for $1,000; W. D. Scott, for alterations to dwelling at 20 Florence street, for $150; J. H. Shales, for three pairs of two-storey dwelling on Dearborn avenue, for $9,000; Wm. F. Johnston, for a two-storey dwelling on Sully street, near College street, for $800; T. H. Kilgour, for a one-and-a-half storey brick residence on Rathnally avenue, near Cottingham street, for $2,500; F. W. Baillie, for a two-storey brick residence on Crescent Road, for $30,000; Mrs. F. M. Harris, for a wood and glass addition to 123 St. George street, for $400; Mrs. A. Russell, for a 2½-storey brick dwelling at 177 Jarvis street, for $4,000.



The New Offices of The Grand Trunk Railway at Montreal.

SOME BUILDING NOTES.

TENDERS are being advertised for for the erection of a new plow factory at Paris, Ont.

N. Ogden is building a residence near Markham, Ont.

Robert Pierson is erecting a residence at Burgoyne, Ont.

A new Presbyterian church is being erected at Granton, Ont.

The corner stone of a new school has been laid at Carman, Man.

The McClary Co. are building new moulding shops at London, Ont.

A new block is being built at Sault Ste. Marie, Ont., by Mr. Dalgleish.

A new residence is being built for Miss McDougall, at Sault Ste. Marie, Ont.

A new school house will be constructed on Mary street, Hamilton, at a cost of $25,000.

The Globe Wernicke Co. have let tenders for the erection of their new $6,000 factory at Stratford, Ont.

A large two-storey business block will be built at Port Arthur, Ont., by The Marks-Clavet-Dolbie Company.

A new Y.M.C.A. building will be built and given to the town of Paris, Ont., by John Penman. The cost of the structure will be about $6,000.

The Lindsay, Ont., board of education are desirous of erecting a new school house there that will cost $14,000, and are making a demand on the town council for that sum.

Building permits in Hamilton have recently been issued to Charles Mills for a brick addition to the cotton mill on Mary street, for The Hamilton Cotton Co., for $5,000; and for a brick dwelling on King street, between Ray and Pearl streets, for Mrs. R. J. Moggridge, for $1,500.

WINDOW GLASS



When you want to buy window glass or picture glass, Star, Diamond or Double, send along your specification. Heavy stocks in all sizes regularly carried by us and we are ready to quote on any quantity; also 26 and 32 oz. Ornamental and Rolled Glass, and your sorting-up paint orders can go along at the same time.

A. RAMSAY & SON MONTREAL — EST'D 1842 — PAINT MAKERS GLASS IMPORTERS

Gas Fixtures

We make Attractive Fixtures in

GAS . . .
ELECTRIC
COMBINATION

Catalogues to the Trade.

The James Morrison Brass Mfg. Co., Limited
89-97 Adelaide St. West, TORONTO.

Semi Bronze Packing

We want one good agent in every town in Canada for . . .

Semi Bronze Piston Rod Packing.

There is money and satisfaction in it for you.

LET US WRITE YOU THE REASONS.

The Fairbanks Company

747 and 749 Craig Street — MONTREAL.

BUILDING IN BRANTFORD.

BUILDING is brisk at Brantford as may be seen from the following list of permits taken out there during May :

Alex. Cunningham, brick residence, Dundas street, $500 ; Samuel Hartley, brick residence on Niagara street, $600 ; Park Com., caretaker's house and entrance, Brant street, $1,700 ; Pratt & Letchworth, moulding shop on Sydenham street, $3,000 ; Schultz Bros., factory addition to machine shop, Albion street, $4,000 ; Schultz Bros., brick chimney, Waterloo street, $600 ; Frank Howard, improvements on Chatham street, $100 ; Mrs. Popplewell, improvements on Brant avenue, $300 ; F. McCallum, brick residence on Pearly street, $1,900 ; Jessie Bartle, brick residence, Darling street, $2,000 ; Mrs. Pimm, additions on Waterloo street, $50 ; J. W. Digby, improvements, Wellington street, $595 ; Mrs. Geo. Frankland, additions, Egerton street, $520 ; Charles Scammel, brick residence, Darling street, $1,050 ; Mrs. Dodd, store and residence, on Colborne street, $2,200; Joseph Ham, brick residence, Buffalo street, $900 ; J. B. White, improvements to store on Dalhousie street, $104 ; Joseph Ham, three brick residences, on Buffalo street, $3,000 ; Joseph Ham, double brick residence, on Nelson street, $1,300 ; Wm. Abell, two frame residences, Drummond street, $800 ; Mrs. Pilkey, brick additions to American Hotel, $1,200 ; George Wood, barn on Alice street, $335 ; Edward Thomas Crocrock, brick residence on Palmerston avenue, $1,100 ; E. Moyer, additions to residence on Brock street, $2,282 ; John Whale, brick residence on Church street, $550 ; Ham & Nott Manufacturing Co., additions to factory, Elgin street, $2,500 ; Mrs. S. A. Sloan, additions to residence, Brock street, $35 ; Wm. Reynolds, brick residence, Cayuga street, $900 ; Thomas Casey, brick residence, on Westmill street, $755 ; John Duncan, roughcast residence on Gilkinson street, $500 ; Charles Buckingham, hot house, on Erie avenue, $10 ; Clark Misener, repairs to residence, Northumberland street, $100 ; Wm. Cudmore, brick residence on Erie avenue, $600 ; J. T. Wallace, brick residence, on Brant avenue, $150 ; William Todd, brick residence, Brighton Row, $900 ; James Gillespie, additions on Pearl street, $50 ; Charles Johnson, frame residence, Sheridan street, $750 ; John Miller, brick residence, Murray street, $1,300 ; Clark Misener, frame additions on Northumberland street, $30.

PLUMBING AND HEATING CONTRACTS.

McGuirk & Co., plumbers, Toronto, have the contract for the plumbing and draining of the new stables of The Canadian Express Company.

The John Ritchie Plumbing and Heating Co., Limited, Toronto, have just finished their plumbing work on the new buildings of The Grant-Hamilton Oil Co., on Strachan avenue.

Guest & Co., plumbers, Toronto, have the contracts for the plumbing of houses on Lee Grove for Messrs, Clayton, Worths, Sellars, Jupps, Lougheed and Johnston ; two houses on Beech avenue for A. J. Russell Snow ; a house on Hammersmith avenue for Mr. Jordan ; a house on Waverly Road, for the Rev. Mr. Dingham, and a house in Kew Gardens for Mr. Williams ; the gas fitting of a house on Beech avenue, for Mr. Alexander, and a house at Balmy Beach, for Mr. Snyder ; the plumbing of a house on Tyndall avenue, and one at Island Park, for McDonald & Wilson, and the plumbing of a house on Lee avenue, for James Gunn.

The John Ritchie Plumbing and Heating Co., Limited, Toronto, have many contracts. Among others they are working on the plumbing and heating in connection with the alterations on the Union Loan Building, on Toronto street ; the plumbing of a stable on Bloor street east, for P. Mason ; the hot-water heating of a residence on Queen street west, for C. Boeckh ; the plumbing of the National Hotel, on the corner of Sherbourne and King streets ; the plumbing work on a pair of houses on Withrow avenue, for Frank Hillock ; the plumbing, gas and hot-water heating of a residence on South Drive, Rosedale, for Hugh Munroe ; the plumbing on a house on Wellesley street, for R. J. Christie ; the plumbing of a dwelling on the corner of Concord and Dewson streets, for W. J. McClure, and the plumbing of a house at the corner of Downey and Laxton streets, for John Laxton.

BUILDING PERMITS AT OTTAWA.

DURING the week building permits to the aggregate value of $10,900 were issued in Ottawa to the following : Mrs. Lowham, for a brick-veneered dwelling on Patterson avenue, to cost $2,000 ; Consumers' Electric Co., for a storehouse on Maria street, for $200 ; James Maloney, for a brick-veneered shop and dwelling on Rideau street, for $1,200 ; Wm. Shaw, for a brick-veneered dwelling on McLeod street, for $2,400 ; G. L. and M. Orme, for alterations to block on Wellington street, for $1,500 ; W. A. MacFall, for a brick-veneered dwelling on Archibald street, for $1,000, and S. J. Davis, for two brick tenements on O'Connor street, for $2,600.

PLUMBERS AND ASSOCIATIONS.

Editor "Hardware and Metal" :—Association in its bearing on the plumbing trade, is to the master men to-day what the Guild of Plumbers was formed for in historic London long before the Elizabethan era, and which recently dazzled the world by the introduction to its membership of Mr. Andrew Carnegie. That event alone imposed on those bookless towns, that invited his munificence the obligation of performing the plumbing work in its interior and exterior finish, so that the pride of the citizen may be, that his health and his mind are so provided for, that he has bright chances of becoming mildewy with age.

Where Mr. Carnegie has not been given the chance to improve the obligation, it is the duty of the Master Plumbers' Association to ask why the rate of mortality is so high. We have the talented medical society to stop it, yet it continues, though they have the auxiliary aid of an enervating climate. Many blame the summer heat for incubating pests that "millionize" every second ; true, and we have to have winter to destroy them. Heat, then, is generative of life in its myriad form. Take away the object that is focussed and you have unadulterated warmth which is God-given and wholesome.

Don't blame the climate then. Winter is the only life preserver we have. It is the nation's scavanger.

But if we desire to populate we must reduce the mortality rate. God helps those who help themselves. Are we doing our share ? Look around and see.

H. A. KNOX.
Secretary N. A. M. P.

Ottawa, June 3, 1902.

CALCIMO AND MURALO.

AN interesting lecture was given by Prof. P. W. Nelson before painters and decorators of Montreal the other evening, on the "Muralo" and "Calcimo," manufactured by The Muralo Co., of New York. A. Ramsay & Son, agents for these decoratives, sent out the invitations, and are also introducing Prof. Nelson to Toronto and Hamilton audiences.

The lecturer was a thorough master of his subject, and in his practical demonstrations of the effects that could be produced by "Muralo," he was heartily applauded.

Speaking first of the "Calcimo," he showed its advantages over other kalsomines. The glue used in it was of the most superior quality, and would dissolve easily in cold water, thus saving all the time of making hot water. It would also cover much more surface than the ordinary kalsomine ; in fact, it would "do anything a first-class kalsomine would do, and do it in a better way." Another superiority it possessed over some other kalsomines was that it could be worked in any weather, hot or cold. Some goods, in hot weather, needed ice to make them jell. This was not the case with "Calcimo," and it could also be worked at a freezing temperature as well as at any other time.

The effect of the "Muralo" was much admired by the audience. The lecturer produced some handsome specimens of work in sight of his hearers, in a manner that reflected much credit, both on himself, as an artist, and on the medium he was using. The raised work done with "Muralo" is certainly beautiful, and when one sees it one does not wonder at the enormous sale it has. The raw material for this preparation comes from Nova Scotia.

Several specimens of work done by the "Calcimo" and "Muralo" were passed through the audience, and were much admired by all.

NAILS
Right Prices
Quick Shipments
Quality Guaranteed
Also
STAPLES
Write, Telegraph or Telephone
Page Wire Fence Co.
Limited
Walkerville, Ontario

If You Desire

to strengthen your paint business, it is always well to carry in stock a few genuine leaders that will eclipse anything of their kind on the market. It's one of the best ways you can build up a reputation for your store.

We believe that we can help you specialize in this way profitably, and would like to interest you in the famous Lucas Greens, the acknowledged standard of Greens for upwards of 50 years.

Lucas Greens

are clear, fresh, brilliant, and unexceptionally the best in fineness of texture, body, or covering capacity and durability. They're acknowledged as the "Old Reliable" throughout the United States, Canada and the West Indies.

Beware of counterfeits. None genuine without the Lucas brand stamped in the head of every package. Dry and in Oil.

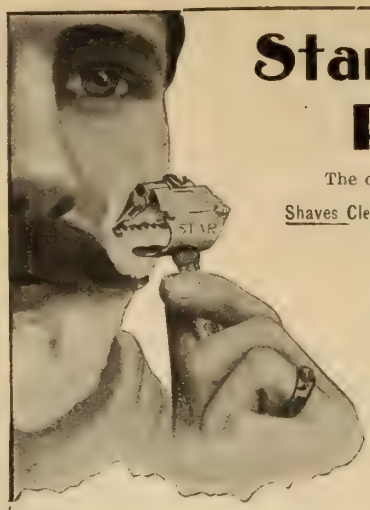
Write us for Samples and Prices

JOHN LUCAS & CO.

Paint, Varnish and Color Manufacturers

NEW YORK *PHILADELPHIA* *CHICAGO*

Lucas & Co., are the largest manufacturers of Dry Colors in the world. Originators of the famous Lucas Greens—**Dry and in Oil.**



Star Safety Razor.

The original and best Safety.

Shaves Clean Saves Time Never Pulls



A Marvel of Simplicity and Durability

BEWARE OF IMITATIONS.

The Three Star Safety is the only Safety Razor that can be adjusted to a hair's width by anybody to suit any face or beard by means of adjusting screws, fully protected from infringers by the U.S. Circuit Court.

Over 5,000,000 daily users are our best advertisers.

A Razor of merit

Established 1875.

For sale by all leading dealers throughout Canada. Rock bottom prices upon application to

KAMPFE BROS.,

INVENTORS AND MANUFACTURERS,

8 Reade Street - NEW YORK CITY

ESTABLISHED 1860. **INCORPORATED 1895.**

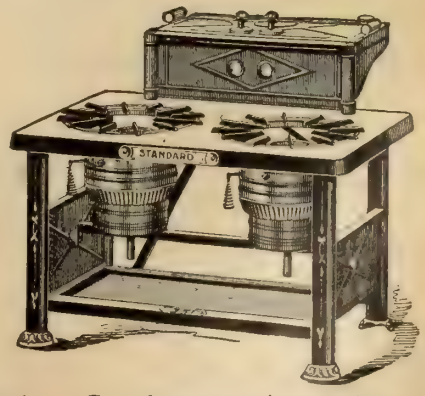
Here's Something New FOR . . . SUMMER COOKING

THE HANDIEST, CLEANEST, SAFEST, COOLEST AND MOST ECONOMICAL SUMMER COOK STOVE EVER SOLD.

The "STANDARD"

Wickless Blue Flame Oil Stove

(Burns Ordinary Kerosene)



combines the efficiency of the coal range and the convenience and comfort of the gas range at a fraction of the expense of either. An absolutely safe and clean stove; will not smoke or get greasy; can't explode. Can be moved anywhere.

Made in large and small sizes. Write for catalogue.

THE THOS. DAVIDSON MFG. CO., Limited

General Agents, MONTREAL, CANADA.

HOW MUCH DO YOU SAVE? ONE CENT!

If you buy the best Horse Nails, they will always have our name in full on each box and registered trade mark, the Gothic letter "C."

In Ontario, Quebec and the Maritime Provinces the retail price for "C" brand on the average size, No. 8, will be two dollars and seventy-five cents ($2.75) per box of twenty-five (25) lbs., or eleven (11c.) a pound. One pound of this size is sufficient for three full sets of shoes, and therefore the average cost of the thirty-two (32) nails used in a set of shoes is, say, four (4c.) cents. Understand that this procures the best Nails made in Canada: that are fully guaranteed; will drive easiest, last longest, and do what any other horse nails made in the world will do under the same conditions.

How much is the Farrier going to reduce his cost by shoeing with lower-priced nails? Assume he buys (as he can) Horse Nails at fifty to seventy-five cents a box lower than the "C" brand, **it means only one cent less at the outside, in the cost of the third of one pound of Nails used in shoeing a horse.**

"Don't sink your ship for a cent's worth of tar, nor leave the old reliable "C" brand for a cent. Have the best; which means, insist on being supplied with "C" Nails.

Canada Horse Nail Company

MONTREAL.

Prize Cups Trophies AND Medals

ARE ALSO A SPECIALTY WITH US.



NO. 1267—HUNTING TROPHY.

If interested, write at once for our new Prize Cup Catalogue.

The Toronto Silver Plate Co., Limited

SILVERSMITHS and MANUFACTURERS

— OF —

ELECTRO PLATE

E. G. GOODERHAM, Managing Director.

VARNISH

FOR—

DOORS
BOATS
CHAIRS
PIANOS
FLOORS
ORGANS
HARNESS
LEATHER
OIL CLOTH
CARRIAGES
FURNITURE
STOVE PIPES
CHURCH OAK
IMPLEMENTS
DECORATIONS
LOCOMOTIVES
INTERIOR FINISH
EXTERIOR FINISH

—EVERYTHING

The well-known brands are reliable if they bear the label of . . .



THE

CANADA PAINT COMPANY

LIMITED

Expert Varnish Makers to the Hardware Furniture and Carriage Trade.

Persons addressing advertisers will kindly mention having seen their advertisement in The Canadian Hardware and Metal Merchant.

Hardware Men Sell Our Popular Lines

from Catalogues and Samples.

—WE MANUFACTURE—

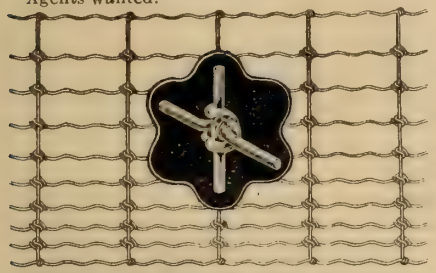
Office and Bank Railings, Wire Window Guards, Stable Fittings, Roof Cresting, Fencing, Etc. Specialties in Wire and Metal.

Our manufactures are wanted everywhere. We want a hardware firm in every town to act as our selling agents. Write for particulars and catalogues.

The Dennis Wire and Iron Co.,
LONDON, ONT.

IDEAL WOVEN WIRE FENCING

The latest improved up-to-date Wire Fencing. Made entirely from No. 9 hard spring wire, ensuring strength and durability. Agents wanted.



The McGregor, Banwell Fence Co., Limited
WINDSOR, ONT.
COILED SPRING AND OTHER FENCE WIRES.

FRANK MILLER'S

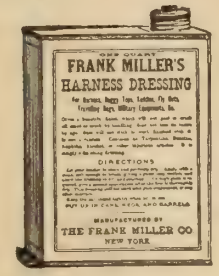
HARNESS PREPARATIONS.

FRANK MILLER'S

HARNESS DRESSING

Recognized as
"THE STANDARD."

Produces a brilliant jet-black gloss which will not peel or smut and to which dirt will not stick.





Frank Miller's
Harness Soap

Unrivaled for cleaning and softening Harness
Put up in cakes, pans, boxes and tubs.

FRANK MILLER'S

Harness Oil.

Preserves and softens the leather, thus adding life.

The highest quality of oil on the market.



SUPERIOR WRAPPING PAPERS

—Our
—Papers

The kind that will stand hard usage. No waste is made when you use this paper.

—Full Weight
—480 Sheets to the Ream.

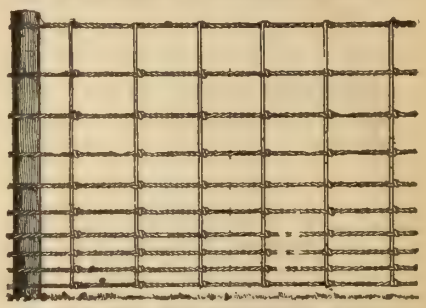
See that you get this paper. Your customers will appreciate it.

CANADA PAPER CO., Limited
TORONTO and MONTREAL.

The Oshawa Wire Fence Co.

OSHAWA, ONT. Limited

Manufacturers of . . .
Woven Wire Fencing, Gates, Etc.
Also Dealers in Galvanized Fence Wire.



Agents wanted Send for catalogue and prices.

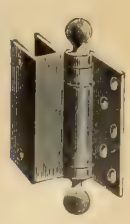
More OXFORD SPRING HINGES



In use to-day than ever before! Why? Because their worth has been proven by long years of service.

MADE

Single and Double Acting
WITH OR WITHOUT BLANKS
To close or throw door open
For Lavatories.



Perfectly designed and finished. Prices assist sales.

RETURNED
MAR 30 1901
RETURNED
MAR 30 1901
Cut Book 17
Page 44
CWO.

—WRITE—

LAMPLOUGH & McNAUGHTON, Canadian Sales Agents, **19 De Bresoles St., MONTREAL, QUE.**

Sole Manufacturers:

THE COLUMBIAN HARDWARE COMPANY

CLEVELAND, O.

INDUSTRIAL GOSSIP.

Those having any items of news suitable for this column will confer a favor by forwarding them to this office addressed to the Editor.

NEW REDUCTION WORKS. The Northern Aluminum Co., Limited, has obtained a charter. The share capital of this concern is placed at $500,000, divided into 5,000 shares of $100 each and the incorporators are: George Green Foster, Samuel G. Archibald, both advocates; Sewell Franklin Belknap, clerk, all three of Montreal and district; Arthur V. Davis, of Pittsburg, Penn., manufacturer, and Frederick Arthur Stoughton, Shawenegan, Que., manufacturer. The reasons set forth for incorporation are the reduction of refractory ores and the production of bronzes and commercial alloys, and the manufacturing and dealing in the same, the construction and acquisition by lease or other means of all buildings, water and electrical works, machinery, etc., necessary to carry on the business of the company and to operate these and dispose of their products. The company will carry on these operations throughout the Dominion of Canada.

RAILWAY AND ELECTRICAL SUPPLIES. Letters patent have been issued incorporating James Carruthers, merchant, Wm. Carruthers, merchant, both of Montreal; Hiram L. Piper, manufacturer, Charles W. Bond, merchant, and James Edgar Carruthers, merchant, of Toronto, into a joint stock company to be known by the name of The Hiram L. Piper Co., Limited. The total capital stock is $40,000, divided into 400 $100 shares, and the purpose of the company is to carry on throughout the Dominion of Canada the business of manufacturing and dealing in railway supplies, electrical supplies, railway signals, ship lamps and other business of like nature, and the right to acquire by lease, purchase, or otherwise, patent rights in connection therewith.

TO OPERATE CORUNDUM MINES. For the purpose of acquiring and operating certain corundum mines in the Township of Carlow, Hastings County, Ont., an Ontario company has been formed, known as The Corundum Co., Limited, with a capital stock of $100,000, divided into 1,000 shares of $100. The incorporators are: Lewis Robinson Speare, of Boston, manufacturer; Charles Albert Sandt, Easton, Penn., manufacturer; John Allen Way, Walpole, Mass., manufacturer; Edmund Foster Burritt, barrister, Ottawa, and Robert George Code, barrister, of the same place. The company will also lease and operate other corundum mines in the Dominion, erect mills and mining plant where necessary, develop other mines and mineral lands, build and operate railroads, steamers and other vessels, and construct and maintain docks, wharves and piers, and do any other thing necessary to promote the objects of the corporation.

ON THE USES OF MURALO.

Tho painters of Toronto were entertained on the evening of Friday, June 6, in St. George's Hall to a smoker and lecture by The Muralo Co., of New Brighton, N.Y. This company is endeavoring to bring before the Canadian trade its wall coatings and finishes for use in cold water, and is having a special decorative artist visit all the principal cities in Canada and give lectures and practical demonstrations to the painters and decoraters on the uses and capabilities of "Muralo." The Montreal agents of this firm are A. Ramsay & Son, and the Toronto agent, Jas. W. Paton. The firm's advertisement is on another page of HARDWARE AND METAL.

UP-TO-DATE.

A number of the wholesale hardware houses in Montreal are now installing a long-distance telephone equipment. This will be a decided convenience for both the firms and their customers, as well as a saving of time and money, in dealing with buyers in the surrounding country, communication with whom will be thus greatly facilitated.

APPOINTED AGENTS.

The Canada Hardware Co. have been appointed agents for The National Wire Fence Co., of Merrickville.

DID A GOOD BUSINESS.

J. H. Rogers, representing Alexander Gibb, has just returned from a trip through the Maritime Provinces, where he reports business as having been highly satisfactory.

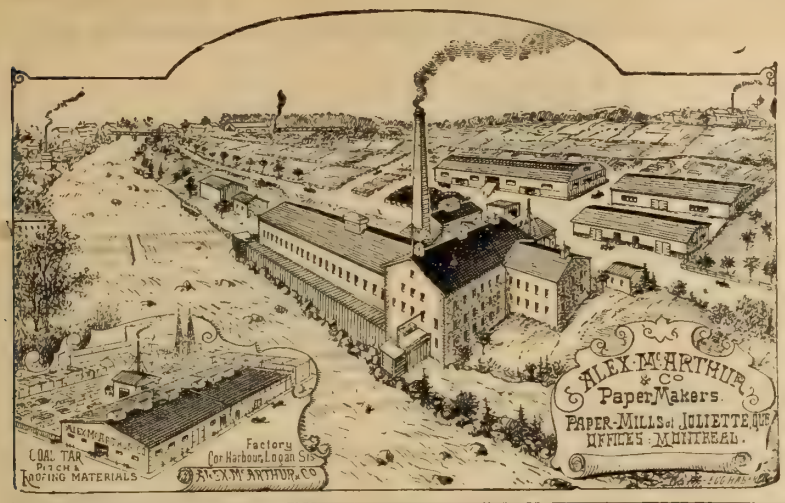
The hardware trade in the Provinces is in a healthy condition, and Mr. Rogers was able to open up many good accounts for the different lines represented by Alexander Gibb, especially for those of Jaffe & Sons, Manchester, Eng., whose goods were well received.

PAINT FIRM AT THE CORONATION.

The Canada Paint Co., Limited, is boasting that it will be represented at the Coronation. The explanation is that Lieut.-Col. Pellatt, the secretary of the company, is, as every Canadian knows, the commander of the Coronation Contingent.

In the grand procession, which will consist ot colonists from all parts of the world — brave fellows, all! — Lieut.-Col. Pellatt was anxious that Canada should show up as a distinct factor in celebrating this auspicious event, therefore, at his own expense, and by permission of the Canadian Government, he is taking the crack Bugle Band of the Queen's Own Rifles with him to follow the colors which were presented to the Canadian Contingent by the ladies of Canada. When the spectators see the smart and soldierlike appearance of the Canadian troops and hear the soul-stirring music of the drums with the shrill, hair-raising notes of the bugles, the cry will go out "There go the Canadians." In addition to their patriotic repertoire, such as "The Maple Leaf Forever," the band will also play the well-known Canadian airs, "A Toronto Swell am I," "Sweet Mabel Sugar," and the quickstep "The Telephone Belle."

Don't waste good work
on poor galvanized iron
—unless you want to be
taught by experience.
Apollo is good.
American Sheet Steel Company, New York
Representatives for Canada
B. & S. H. Thompson & Company
53 St. Sulpice Street
Montreal



Bell Telephone, - - Main 208.
Merchants' - - - 311.

P. O. Box 839.

ALEX. McARTHUR & CO.

—MANUFACTURERS—

2 & 3-Ply Ready Roofing,
Building Papers,
Sheathing and Carpet Felt,
Coal Tar Products.

Hanging and Print Paper,
Brown and Manilla Wrapping.

Paper Mills: Joliette, Que.
Felt Factory: Harbour and Logan Sts., Montreal.
82 McGill Street, Montreal.

It will pay intending purchasers to obtain our prices before buying.

CURRENT MARKET QUOTATIONS

June 13, 1902.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag and Straits—		
56 and 28 lb. ingots, 100 lb.	33 00	34 00

Tinplates.

Charcoal Plates—Bright

		Per box
M.L.S. equal to Bradley		
I.C., usual sizes	....	$6 75
I.X., "	....	8 25
I.X.X., "	....	9 75
Famous, equal to Bradley—		
I.C.	....	6 75
I.X	....	8 25
I.X.X	....	9 75
Raven & Vulture Grades—		
I.C., usual sizes	....	5 00
I.X., "	....	6 00
I.X.X "	....	7 00
I.XXX., "	....	8 00
D.C., 12½x17	....	4 50
D.X.	....	5 25
D.X.X	....	6 00

Coke Plates—Bright

Bessemer Steel—		
I.C., usual sizes, 14x20	....	4 25
I.C., special sizes, base	....	4 75
20 x 28	....	9 00

Charcoal Plates—Terne

Dean or J. G. Grade—		
I.C., 20x28, 112 sheets	....	8 50
I.X., Terne Tin	....	10 50

Charcoal Tin Boiler Plates

		Per lb.
Cookley Grade—		
X X., 14x56, 50 sheet bxs	....	0 06½
" 14x60, "		
" 14x65, "		

Tinned Sheets

72x30 up to 24 gauge	....	8 00
" 26 "	....	8 50

Iron and Steel.

Common Bar, per 100 lbs	1 95	2 05
Refined " "	....	2 45
Horse Shoe Iron "	....	2 40
Hoop steel, 1½ to 3 in. base,		2 90
Sleigh Shoe Steel " base	....	2 10
Tire Steel	2 30	2 50
Reeled Machinery	....	3 00
Toe Calk Steel	2 85	3 00
T. Firth & Co's tool steel, per lb	0 12½	0 13
Jessop's tool Steel	....	0 14
Morton's tool steel	0 12½	0 13
Black Diamond and "B.C," tool steel	0 10	0 11
Chas. Leonard's tool steel	0 08	0 09
Park's "silver" tool steel	0 12	0 14
" "special"	0 15	0 21
Jonos & Colver's tool steel	0 8	0 15
" "air hardening"	0 30	0 50
Drill Steel, per lb	0 08	0 10

Boiler Tubes.

		Per foot.
1¼, 1¾, and 4 inch	....	0 1
2½ in.	....	0 17½
3 "	....	0 14

Steel Boiler Plate.

¼ inch	2 50	2 60
3-16 inch	2 60	2 70
5/16 inch and thicker	2 50	2 60

Black Sheets.

	Com.	D. Fl.
18 gauge	2 85	3 00
20 gauge	2 85	3 00
22 to 24 "	2 95	3 25
26 "	3 05	3 50
28 "	3 15	....

Copper Ware.

Discount, 50 per cent.

Canada Plates.

All dull, 52 sheets	...	3 00
Half polished	....	3 10
All bright	....	3 75

Iron Pipe.

Black pipe—

	Per 100 Feet.
⅛ inch	2 90
¼ "	2 40
⅜ "	2 65
½ "	2 85
¾ "	3 65
1 "	5 20
1¼ "	7 35
1½ "	8 95
2 "	12 55
2½ "	24 00
3 "	28 00
3½ "	36 00
4 "	43 00
4½ "	50 00
5 "	57 00
6 "	73 00

Galvanized pipe—

¼ inch	3 20
⅜ "	3 45
½ "	3 85
¾ "	5 00
1 "	7 20
1¼ "	10 05
1½ "	12 10
2 "	16 85

Discount 4 per cent.

Malleable Fittings—Discount 40 p.c.

Cast Iron Fittings—

On all Cast Iron Fittings, including plugs, bushings, unions and nipples, 60 p.c. dis.

All others—discount 60 p.c.

Galvanized Sheets.

	G C.	Comet.	Amer.	Queen's Head.
16 gauge	....	....	....	....
18 to 24 gauge	4 05	3 75	....	4 05
26 "	4 25	4 00		4 25
28 "	4 50	4 25	*4 40	4 50

Less than case lots 10 to 15c. extra.

*29 gauge.

Chain.

Proof Coil, 3-16 in., per 100 l	....		....
" ¼ " "	7 85		8 10
" 5-16 " "	5 25		5 50
" ⅜ " "	4 50		4 75
" 7-16 " "	4 25		4 50
" ½ " "	4 20		4 50
" 9-16 " "	4 05		4 50
" ⅝ " "	4 00		4 50
" ¾ " "	4 00		4 50

Halter kennel and post chains, 40 to 40 and 5 p.c.

Cow ties..... 40 p.c.

Tie-out chains..... 65 p.c.

Stall fixtures ..... 35 p.c.

Trace chain ..... 45 p.c.

Jack chain, iron, single and double discount 35 p.c.

Jack chain, brass single and double, discount 40 p.c.

Copper.

	Ingot	Per 100 lb.
English B S., ton lots	....	14 00
Lake Superior	....	....

Bars.

Cut lengths round, ½ to ⅞ in.	23 00	25 00
" round and square 1 to 2 inches	23 00	25 00

Sheet.

Plain, 14 oz., and light, 16 oz., 14x48 and 14x60	22 00 22 50
Plain, 14 oz., and light, 16 oz., irregular sizes	22 50 23 00
Tinned copper sheets	.... 24 00
Planished	.... 32 00

Braziers (In sheets.)

4x6 ft. 25 to 30 lbs. ea., per lb.	.... 0 23
" 35 to 45 " "	.... 0 22
" 50-lb. and above, "	.... 0 21

Boiler and T. K. Pitts

Plain Tinned, per lb	....	0 28
Spun, per lb	....	0 32

Brass.

Rod and Sheet, 14 to 30 gauge,	15 per cent.	
Sheets, hard-rolled, 2x4	....	0 23
Tubing, base, per lb	....	0 23½

Zinc Spelter

Foreign, per lb	5 50	6 00
Domestic "	...	..

Zinc Sheet.

5-cwt. casks	6 00	6 25
Part casks	6 25	6 50

Lead.

Imported Pig, per 100 lb	3 50	3 75
Bar, b	....	0 95
Sheets, 2½ lbs. sq. ft., by	....	0 06¼
Sheets, 3 to 6 lbs., "	....	0 06

NOTE.—Cut sheets ½ cent per lb. extra.

Pipe, by the roll, usual weights per yard, lists at 7c. per lb. and 37½ p.c. dis. f.o.b. Toronto.

NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths lists at 8 cents.

Shot.

Common, $6.50 per 100 lb.; chilled, $7.00 per 100 lb.; buck, seal and ball, $7.50. Discount, 22½ p.c. Prices are f.o.b. Toronto, Hamilton, Montreal, St. John and Halifax. Terms 3 per cent. cash, freights equalized.

Soil Pipe and Fittings.

Discount, 60 p.c. on medium and extra heavy, and 55 p.c. on light soil pipe and fittings.

Solder.

	Per lb.	Per lb.
Bar half-and-half, guarant'd	....	0 20
Bar half-and-half, commer'l	....	0 19½
Refined	....	0 19
Wiping	....	0 18½

Antimony.

Cookson's, per lb	9 50

White Lead.

	Per 100 lb.
Pure	5 87½
No. 1	5 50
No. 2	5 12½
No. 3	4 75
No. 4	4 37½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B B. Genuine	7 00
" " No. 1	6 00

Red Lead.

Genuine, 560 lb. casks, per cwt.	$4 75
Genuine, 100 lb. kegs, per cwt.	5 00
No. 1 60 lb. casks, per cwt.	4 25
No 1, 1b kegs, per cwt.	4 50

White Zinc.

Extra Red Seal	0 06	0 08
No. 1	0 05½	0 07
No. 2	0 05	0 06

Dry White Lead.

Pure, casks	5 25
Pure, kegs	5 50
No. 1, casks	5 00
No. 1, kegs	5 25

Prepared Paints

In ¼, ½ and 1 gallon tins.

Pure, per gallon	....	1 25
Second qualities, per gallon	....	1 10
Barn (in bbls.)	0 60	0 90
The Sherwin-William Paints.	....	1 40
Canada Paint Co's Pure	....	1 25
Toronto Lead & Color Co's Pure	....	1 25
Sanderson Pearcy's Pure	....	1 20
Stewart & Wood's Champion Pure		1 20

Colors in Oil.

25 lb. tins, Standard Quality.

Venetian Red, per lb	0 04½ 0 06
Chrome Yellow	0 12 0 14
Golden Ochre	0 08 0 10
French "	.... 0 06
arine Black	.... 0 09
Chrome Green	.... 0 10
French Imperial Green	.... 0 12
Sign Writers' Black	.... 0 16
Burnt Umber	.... 0 11
" Sienna	.... 0 11
Raw Umber	.... 0 11
" Sienna	.... 0 11

Colors, Dry.

Common Ochre bbls	1 20	1 30
Yellow Ochre J.F.L.S., bbls	...	2 00
Yellow Ochre (La Belle)	1 15	1 25
Brussels Ochre	....	2 00
Venetian Red (best), bbl	1 75	2 00
English Oxides, per cwt.	3 00	3 25
American Oxides, bbls	1 25	2 00
Canadian Oxides, bbls	1 25	1 75
Super Magnetic Oxides, 93p.c.	2 00	2 25
Burnt Sienna, pure, per lb	....	0 10
" Umber, "	....	0 10
Raw do	....	0 09
Drop Black, pure	....	0 09
Chrome Yellows, pure	...	0 18
Chrome Greens, pure, per lb.	0 09	0 10
Golden Ochre	0 04	0 05
Ultramarine Blue in 28-lb. boxes, per lb	0 06	0 18
Fire Proof Mineral, per 100 lb	....	1 00
Genuine Eng. Litharge, per lb	....	0 07
Mortar Color, per 100 lb	1 25	1 50
Pure Indian Red, No. 45 lb.	0 18	0 10
Whiting, bbl	0 55	0 60
English Vermillion in 20-lb. bags.		0 95

Paris Green.

	per lb.
Petroleum Casks	0 16½ 0 18
Arsenic Kegs	0 17 0 19
50-lb. and 100-lb. drums	0 18½ 0 19½
25-lb. drums	0 19 0 20
1-lb packages	0 20 0 20½
½-lb. do	0 22 0 22½
1-lb. tins	....
½-lb do	....

F. O. B. Toronto. Terms—3 p. c. off 30 days, or 4 mos. from date of delivery.

Blue Stone.

Casks, for spraying, per lb	0 07
100-lb. lots, do. per lb	0 08

Putty.

Bulk in bbls.,	1 90
Bulk in less quantity	2 05
Bladders in bbls	2 25
Bladders in kegs, boxes or loose	2 40
Bladders in 25-lb. tins	2 35
Bladders in 12½-lb. tins	2 65
Bladders in bulk or tins less than 100 lb	2 90

Varnishes.

In 5-gal. lots.	Per Gal.	net.
Carriage, No. 1	1 50	1 60
Pale Durable body	4 10	4 25
" rubbing	2 85	3 20
Gold Size, Japan	2 85	3 00
No. 1 Brown Japan	0 85	0 90
Elastic Oak	....	1 50
Furniture, extra	....	1 75
" No. 1	....	1 10
Hard Oil Finish	1 65	1 75
Light Oil Finish	1 40	1 60
Demar	1 70	1 85
Shellac, white	2 3	2 45
" orange	2 25	2 35
Turpentine Brown Japan	1 15	1 0
" Black Japan	0 85	1 20
" " No. 1	0 50	0 75

Elastilite Varnish 1 gal. can, each, $2.00.

Granitine Floor Finish per gal., $2.75.

Maple Leaf Coach Enamels; Size 1, $1.20 Size 2, 70c Size 3, 40c. each

Sherwin-Williams' Copal Varnish, assorted case, from ½ pts. to 1 gal., $8.50

Castor Oil

East India, in cases, per lb	0 09½ 0 10
" " small lots	0 10 0 10½

Cod Oil, Etc

Cod Oil per gal	0 50 0 55
Pure Olive	.... 1 20
" Neatsfoot	 90

Glue.

Common	0 08½ 0 09
French Medal	0 14 0 14½
Cabinet sheet	0 12 0 13
White, extra	0 18 0 20
Gelatine	0 22 0 30
Strip	0 18 0 20
Coopers	0 19 0 20
Huttner	.... 0 18

JOSEPH RODGERS & SONS

Limited

SHEFFIELD, ENGLAND.

Each blade of our Goods bears the exact mark here represented.

REGISTERED TRADE MARK CRANTED 1682

JAMES HUTTON & CO., MONTREAL SOLE AGENTS IN CANADA.

HARDWARE.

Ammunition.

Cartridges.

B B Caps Dom. 50 and 5 per cent.
Rim Fire Pistol, dis 40 p. c., Amer
Rim Fire Cartridges, Dom., 5 and 5 p. c
Central Fire Pistol and Rifle 10 p.c. Amer.
Central Fire Cartridges, pistol sizes Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 per cent.
Central Fire, Military and Sporting, Amer. add 5 p.c. to list. B.B. Caps, discount 40 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 10 p c. advance on list.
Brass Shot Shells, 55 per cent.
Primers, Dom., 30 per cent.; American, $1.60.

Wads	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb. bags	70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	

Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 20 per cent.

Anvils.

Wright's, 80-lb. and over	0 10¾
Hay Budden, 80-lb. and over	0 09¼
Brook's, " " "	0 11¼

Augers.

Gilmour's discount 65 and 5 p.c. off list.

Axes.

Chopping Axes		
Single bit, per doz	5 50	10 00
Double bit, "	11 00	18 00
Bench Axes, 40 p.c.		
Broad Axes, 25 per cent.		
Hunters' Axes	5 50	6 00
Boys' Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Axle Grease.

Ordinary, per gross	5 75	6 00
Best quality	13 00	15 00

Bath Tubs.

Zinc	6 00
Copper, discount 15 p.c. off revised list	

Baths.

Standard Enameled.

5½-inch rolled rim, 1st quality	24 00
" " " 2nd "	20 00

Anti-Friction Metal.

"Tandem" A. per lb.	0 27
" B. "	0 21
" C. "	0 11½
Magnolia Anti-Friction Metal, per lb	0 25
Frictionless metal, per lb	0 23

SYRACUSE SMELTING WORKS.

Aluminum, genuine	0 41
Dynamo	0 27
Special	0 22
Aluminum, 99 p.c. pure "Syracuse"	0 45

Bells.

Hand

Brass, 60 per cent.
Nickel, 55 per cent.

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Door.

Gongs, Sargant's	5 50	8 00
" Peterboro', discount 45 per cent		

Farm.

American, each	1 25	3 00

House.

American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00
Blacksmiths', discount 40 per cent.		

Belting.

Extra, 60 per cent.
Standard, 60 and 10 per cent.
No. 1, not wider than 6 in., 50 10 and 10 p.c.
Agricultural, not wider than 4 in., 75 p.c.

Bits.

Auger.

Gilmour's, discount 60 and 5 per cent.
Rockford, 50 and 10 per cent.
Jennings' Gen. net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind and Bed Staples.

All sizes, per lb	0 07¾	0 12

Bolts and Nuts.

	Per cent.
Carriage Bolts, common ($1 list)	55
" " full square ($1.40 list)	55
" " Norway iron ($3 list)	50
Machine Bolts, all sizes	50 and 5
Plough Bolts	50 and 5
Blank Bolts	50 and 5
Bolt Ends	50 and 5
Sleigh Shoe Bolts	65 and 5
Coach Screws, cone point	66⅔
Nuts, square, all sizes, 3½c per lb off.	
Nuts, hexagon, all sizes 3¾c. per lb. off.	
Stove rods, per lb. 5½ to 6c.	
Nuts, in 50 lb. lots ¼c. per lb extra, in less than 50 lb lots, ½c extra.	

Boot Calks.

Small and medium, ball, per M	4 25	
Small heel, per M	4 50	

Bright Wire Goods.

Discount 63⅓ per cent

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent

Henis, No. 8		6 00
Henis, No. 9, "		7 00
Queen City "	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Butcher Knives.

Bailey's, per doz	0 60	6 30

Building Paper, Etc.

Tarred felt, per 100 lb	1 70
Ready roofing, 2-ply, not under 45 lb. per roll	85
Ready roofing, 3-ply, not under 65 lb. per roll	1 10
Carpet felt, per ton	45 00
Dry sheathing, per roll, 400 sq. ft	35
Tar sheathing, " " "	45
Dry fibre " " "	50
Tarred fibre, " " "	60
O.K. & I.X.L., " " "	65
Resin-sized, " " "	40
Oiled sheathing, " 600 "	1 10
" " " 400 "	70
Roof coating in barrels, per gal	17
" " small packages	25
Refined tar, per barrel	4 50
Coal tar, "	4 00
Coal tar, less than barrels, per gal	15
Roofing pitch, per 100 lb	85

Bull Rings.

Copper, $2.00 for 2½ in. and $1.90 for 2 in.

Butts.

Wrought Brass net revised list.

Cast Iron.

Loose Pin, dis., 60 per cent.

Wrought Steel

Fast Joint, dis. 65, 10 and 2½ per cent.
Loose Pin, dis. 65, 10 and 2½ per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.

Gen. Bronzed, per pair	0 40	0 65

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	8 50	9 50

Cement.

Canadian Portland	1 90	2 75
English "	3 00	3 15
Belgian "	2 50	2 75
Canadian hydraulic	1 25	1 50
Arrow		2 25
Buffalo		2 00

Chalk.

Carpenters Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 70 per cent.
Warnock's, dis. 70 per cent.
P. S. & W. Extra 60, 10 and 5 p.c.

Churns.

Revolving Churns, metal frames—No. 0, $8—No. 1, $8.50—No. 2, $9.00—No. 3, $10.00—No. 4, $12.00—No. 5, $16.00 each. Ditto, wood frames—20c. each less than above.
Discounts: Delivered from factories, 56 p.c.; from stock in Montreal, 54 p.c.
Terms, 4 months or 3 p.c. cash in 30 days

Clips.

Axle dis. 65 per cent.

Closets.

	Net.
Plain York or Ontario Syphon Jet.	$9 60
Emb. York or Ontario Syphon Jet.	10 20
Fittings	1 00
Plain Elgin or Teu. Syphon Washout	6 00
Emb. Elgin or Teu. Syphon Washout	6 60
Fittings	1 25
Low Down Elgin or Teutonic, plain	9 60
" " " " emb.	10 20
Plain Richelieu	4 00
Emb. Richelieu	4 25
Connections	1 25
Low Down Ont. Sy. Jet, plain	11 70
" " " " " emb'd.	12 30
Closet connection	1 25
Basins P.O., 14 in.	0 70
" oval 17 x 14 in.	1 50
" 19 x 15 in.	2 25

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Conductor Pipe.

Plain or Corrugated.

2-inch, per 100 feet	3 00
3 " " "	4 00
4 " " "	5 25
5 " " "	6 75
6 " " "	9 00

Cradles, Grain.

Canadian, dis. 25 to 33⅓ per cent.

Crosscut Saw Handles.

S. & D., No. 3, per pair	17½
" " 5, "	22½
" 6, "	15
Boynto pattern "	20

Door Springs.

Torrey's Rod, per doz	(15 p.c.	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Coach and Wagon, dis. 50 and 10 per cent.
Carpenters, dis. 70 per cent.

Drills.

Hand and Breast

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis., 37½ to 40 per cent.
Standard dis. 50 and 5 to 55 per cent.

Faucets.

Common, cork-lined, dis. 35 per cent.

EAVE TROUGH.

10-inch, per 100 ft	$3 10

ELBOWS. (Stovepipe.)	per doz.
5 and 6-inch, common	1 20
7-inch	1 35
Polished, 15c. per doz. extra.	

ESCUTCHEONS.

Discount, 40 per cent.

ESCUTCHEON PINS.

Iron, discount 40 per cent.

FACTORY MILK CANS.

Discount off revised list, 40 per cent.

FILES AND RASPS.

Great Western	70 and 10 per cent.
Arcade	70 " 10 "
Kearney & Foot	70 " 10 "
Disston's	70 " 10 "
American	70 " 10 "
J. Barton Smith	70 " 10 "
McClellan	70 " 10 "
Eagle	70 " 10 "
Nicholson, 60 and 10 to 60, 10 and 5	"
Royal	80 "
Globe	70 to 75 "

Black Diamond, 60 and 10 to 60, 10 and 5 p.c
Jowitt's, English list, 25 to 27½ per cent.
Nicholson File Co.'s "Simplicity" file handle per gross, 85c. to $1.50.

GLASS—Window—Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	D. Diamond Per 50 ft.	D. Diamond Per 100 ft.
Under 26	2 20	4 25	....	6 25
26 to 40	2 40	4 65	....	8 75
41 to 50	....	5 10	....	7 50
51 to 60	....	5 35	....	8 50
61 to 70	....	5 75	....	9 75
71 to 80	....	6 25	....	11 00
81 to 85	....	7 00	....	12 55
86 to 90	....	7 75	..	15 00
91 to 95	..	....	...	17 50
96 to 100	.. ..	....	....	20 50

GAUGES

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's Nos. 26 to 33, each	1 65	2 40

HALTERS.

Rope, ⅜ per gross	....	....
" ½ "	....	9 00
" ⅝ to ¾ "	....	14 00
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

	Can.	dis.
Maydole's, dis. 5 to 10 per cent 25 to 27½ per cent.		
Tack.		
Magnetic per doz	1 10	1 20
Sledge.		
Canadian per lb	0 07½	0 08¾
Ball Pean.		
English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz. net	1 50	2 00
Store door, per doz	1 00	1 50

Fork.

C. & B., dis. 40 per cent. rev. list.

Hoe.

C. & B., dis. 40 per cent. rev. ist.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 7

Hammer and Hatchet.

Canadian, 40 per cent.

Cross-Cut Saws.

Canadian, per pair	13¾

HANGERS.

	doz. pairs.	
Steel barn door	5 85	6 00
Stearns, 4 inch	....	5 00
" 5 inch	....	6 50
Lane's covered—		
No. 11, 5-ft. run	....	8 40
No. 11½, 10-ft. run	....	10 80
No. 12, 10-ft. run	....	12 60
No. 14, 15-ft. run	....	21 00
Lane's O.N.T. track, per foot	....	4½

HARVEST TOOLS

Discount, 60 per cent.

HATCHETS

Canadian, dis 40 to 42½ per cent.

Advance in Prices.

Owing to scarcity and increased cost of raw material, the following prices were adopted by the Tarred Paper Manufacturers' Association on June 2nd :

"D" No. 2 Dry Fibre Building Paper, per roll, $	.35
"E" No. 2 Tarred " " " " "	.45
"K" Dry Straw Building Paper " "	.35
"L" Tarred Straw " " " "	.45

Our new Price List and Catalogue contains much useful information that you cannot obtain elsewhere. Write us if you have not received one.

The Paterson Mfg. Co., Limited

Toronto and Montreal.

HINGES.

Blind, Parker's, dis. 50 and 10 to 60 per cent.
Heavy T and strap, 4-in., per lb.... 0 06½
" " 5-in., " 0 06¼
" " 6-in., " 0 06
" " 8-in., " 0 05¾
" " 10-in., " 0 05½
Light T and strap, dis. 65 and 5 per cent.
Screw hook and hinge—
6 to 10 in., per 100 lbs.... .... 4 50
12 in. up, per 100 lbs..... .... 3 25
Per gro. pairs
Spring..... .... 12 00

HOES.

Garden, Mortar, etc., dis. 60 p.c.
Planter, per doz..... 4 00 4 50

HOLLOW WARE

Discount,..... 45 and 5 per cent.

HOOKS.

Cast Iron.

Bird Cage, per doz.....	0 50	1 10
Clothes Line, per doz.....	0 27	0 63
Harness, per doz.....	0 72	0 88
Hat and Coat, per gross.....	1 00	3 00
Chandelier, per doz.....	0 50	1 00

Wrought Iron.
Wrought Hooks and Staples, Can. dis. 47½ per cent.
Wire.
Hat and Coat, discount 45 per cent.
Belt, per 1,000 ..... 0 60
Screw, bright, dis. 55 per cent.

HORSE NAILS.

"C" brand 50 and 7½p.c.off new list } Oval-
"M" brand 50, 10 and 5 per cent. } head
Countersunk, 60 per cent.

HORSESHOES.

Iron Shoes.	F.O.B. Montreal No. 2 and larger.	No. 1. and smaller.
Light, medium and heavy...	3 50	3 75
Snow shoes.....	3 75	4 00
Steel Shoes.		
Light.....	3 60	3 85
Featherweight (all sizes).....	4 85	4 85

F.O.B. Toronto, Hamilton, London and Guelph, 10c. per keg additional.
Toe weight steel shoes..... 6 70

JAPANNED WARE.

Discount, 45 and 5 p.c. off list, June 1899.

ICE PICKS.

Star per doz..... 3 00 3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.
Copper, per lb..... 0 30 0 50
American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 45 p.c.
Cabinet, trunk, and padlock, Am. per gross..... 60

KNOBS.

Door, japanned and N.P., per doz..... 1 50 2 50
Bronze, Berlin, per doz..... 2 75 3 25
Bronze Genuine, per doz.... 6 00 9 00
Shutter, porcelain, F. & L screw, per gross 1 30 4 00
White door knobs—per doz. 95 1 00

HAY KNIVES.

Discount, 60 per cent.

LAMP WICKS.

Discount, 60 per cent.

LANTERNS.

Cold Blast, per doz..... 7 00
No. 3 "Wright's"..... 8 50
Ordinary, with O burner..... 4 00
Dashboard, cold blast..... 9 00
No. 0..... 5 75
Japanning, 50c. per doz. extra

LEMON SQUEEZERS.

Porcelain lined, ...per doz. 2 20 5 60
Galvanized..... 1 87 3 85
King, wood..... 2 75 2 90
King, glass..... 4 00 4 50
All glass..... 1 20 1 30

LINES.

Fish per gross..... 1 05 2 50
Chalk " 1 90 7 40

LOCKS

Canadian, dis 40 p.c.
Russel & Erwin per doz.... 3 00 3 25
Cabinet.
Eagle, dis. 30 p.c.

Padlocks.

English and Am. per doz.... 50 6 00
Scandinavian, " 1 00 2 40
Eagle, dis. 20 to 25 p.c.

MACHINE SCREWS. Iron and Brass.

Flat head discount 25 p.c.
Round Head discount 20 p.c.

MALLETS.

Tinsmiths' per doz..... 1 25 1 50
Carpenters', hickory, per doz. 1 25 3 75
Lignum Vitae, per doz.. .... 3 85 5 00
Caulking each..... 60 2 00

MATTOCKS.

Canadian, per doz..... 5 50 6 50

MEAT CUTTERS.

American, dis. 25 to 30 p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are :	Cut.	Wire.
2 d and 3d	$3 45	$3 55
3 d	3 10	3 22
4 and 5d..... ..	2 85	3 05
6 and 7d.....	2 75	2 90
8 and 9d.....	2 60	2 70
10 and 12d.....	2 55	2 65
16 and 20d.....	2 50	2 60
30, 40, 50 and 60d. (base).....	2 45	2 55

Wire nails in carlots are $2.50
Galvanizing 2c. per lb. net extra.
Steel Cut Nails 10c. extra.
Miscellaneous wire nails, dis. 75 p.c.
Coopers' nails, dis. 30 per cent.
Flour barrel nails, dis. 25 per cent

NAIL PULLERS.

German and American..... 1 85 3 50

NAIL SETS.

Square, round, and octagon per gross..... 3 38 4 00
Diamond..... 12 00 15 00

POULTRY NETTING.

2-in. Mesh, 19 w.g., dis. 50 and 5 to 50 and 10 p.c.
2-in. Mesh, 18 w.g. and heavier, 50 p.c.

OAKUM. Per 100 lb

Navy 6 00
U.S. Navy..... 7 25

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal. per doz..... .... 10 00
Zinc and tin, dis. 50, 50 and 10 .
Copper, per doz..... 1 25 3 50
Brass, " 1 50 3 50
Malleable, dis. 25 per cent.

GALVANIZED PAILS.

Dufferin pattern pails, dis. 45 p.c.
Flaring pattern, discount 45 per cent.
Galvanized washtubs discount 45 per cent.

PIECED WARE.

Discount 40 per cent. off list, June, 1899.
10-qt. flaring sap buckets, dis. 40 p.c.
6, 10 and 14-qt. flaring pails, dis. 40 p.c.
Creamer cans, dis. 40 p.c.

PICKS.

Per doz..... 6 00 9 00

PICTURE NAILS.

Porcelain head, per gross... 1 75 3 00
Brass head 0 40 1 00

PICTURE WIRE.

Tin and gilt, discount 75 p.c.

PINE TAR.

½ pint in tins, per gross. 7 80
1 " " " 9 60

PLANES.

Wood, bench, Canadian dis. 40 per cent. American dis. 50.
Wood, fancy Canadian or American 7½ to 40 per cent.

PLANE IRONS.

English per doz..... 2 00 5 00

PLIERS AND NIPPERS.

Button's Genuine per doz pairs, dis. 37½ 40 p.c.
Button's Imitation, per doz.. 5 00 9 00
German, per doz..... 0 60 2 60

PLUMBERS' BRASS GOODS.

Standard Compression work, dis. 60 p.c.
"J.M.T." Cushion work. dis. 50 p.c.
Fuller work, dis. 65 p.c.
6 doz. lots and over of the above, extra dis. 10 p.c.

Lever Handle Stops and Waste, discount 60 p.c. With, in lots of 2 doz. and over, an extra dis. of 10 p.c.
"J.M.T." Globe, Angle and Check Valves, dis. 55 p.c.
Standard Globe, Angle and Check Valves, dis. 65 p.c.
"J.M.T." Radiator Valves, dis. 55 p.c.
Standard " " dis., 65 p.c.
Patent Quick Opening Valves, dis. 70 p.c.
No. 1 compression bath cock, net .. 2 00
No. 4 " " " 2 00
No. 7, Fuller's 2 20
No. 4½, " 2 35
Patent Compression Cushion, basin cock, hot and cold, per doz 15 00
Patent Compression Cushion, bath cock No. 2208 ..... 2 25
Square head brass cocks, 60 p.c.
" " iron " 60 p.c.
Competition Globe, Angle and Check Valves discount, 70 p.c.
Competition Quick Opening Radiator Valves, discount, 70 p.c.

PRESSED SPIKES.

Discount 2½ per cent.

PULLEYS.

Hothouse, per doz.....	0 55	1 00
Axle.....	0 22	0 33
Screw.....	0 27	1 00
Awning.....	0 35	2 50

PUMPS.

Canadian cistern.....	1 80	3 60
Canadian pitcher spout.....	1 40	2 10

PUNCHES.

Saddlers', per doz.....	1 00	1 85
Conductors' "	9 00	15 00
Tinners', solid per set.....	0 00	0 72
" hollow punch	0 00	1 00

RANGE BOILERS. Net.

Dominion, 30 gal.	5 75
Dominion, 35 "	6 75
" 40 "	7 75
Ronald's Galvanized, 30 gallons	6 50
" " 35 "	7 50
" " 40 "	8 50
Copper, 30 gallons.....	20 00
" 35 "	23 20
" 40 "	26 40

RAKES.

Wood, per doz. net 110

RAZORS.

	per doz.
Elliot's	4 00 18 00
Geo. Butler & Co.'s.....	4 00 18 00
Boker's.....	7 50 11 00
King Cutter.....	12 50 50 00
Wade & Butcher's	3 60 10 00
Theile & Quack's.....	7 00 12 00
Bailey's	6 00 12 00
Carbo Magnetic Razor	.... 15 00
Griffon Barbers' Favorite	.... 10 75
Griffon No. 65.....	.... 13 0
Griffon Safety Razor.....	.... 1 50
" Stropping Machines.	13 50

All other razors 50 p.c. off catalogue price.

REGISTERS.

Discount ..... 40 per cent

RIVETS AND BURRS.

Iron Rivets, black and tinned, discount 60 and 10 per cent.
Iron Burrs, discount 55 per cent.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets with usual proportion burrs, 45 and 10 dis., cartons, 1c. per lb. extra, net.
Copper Burrs only, 30 and 10 p.c.
Extras on Tinned or Coppered Rivets, ½-lb. cartons, 1c. per lb.

RIVET SETS.

Canadian, dis. 35 to 37½ per cent.

ROPE, ETC.

Sisal	13
Pure Manilla.....	16
"British" Manilla.....	14½
Cotton, 3-16 inch and larger.....	16
" 5-32 inch....	21
" ⅛ inch	22
Russia Deep Sea.	15
Jute	5
Lath Yarn	

Sisal bed cord, 48 ft.....	per doz.	65
" " 60 ft.....	"	80
" " 72 ft.....	"	95

RULES.

Boxwood, dis. 55 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS. per set.

Mrs. Potts, No. 55, polished. 70
" No. 50, nickle-plated. 75

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 5 per cent.
Emery, 40 per cent.
Garnet (Rurton's), 5 to 10 p.c. advance on list

SAP SPOUTS.

Bronzed iron with hooks, per doz. 2 50

SAWS.

Hand Disston's, dis. 12½ p.c.
S. & D., 40 per cent.
Crosscut, Disston's, per ft.. 0 35 0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3
Hack, complete, each 0 75 2 75
" frame only 0 75

SASH WEIGHTS.

Sectional, per 100 lbs..... 2 25 2 50
Solid, " 1 75 2 00

SASH CORD.

Per lb 0 23 0 30

SAW SETS.

Lincoln and Whiting, per doz. 4 75
Hand Sets, No. 1 Woodyatt (Morrill) 4 25
X-cut Sets, No. 3 Woodyatt (Morrill) 9 50

SCALES.

Burrow, Stewart & Milne—
Imperial Standard, 45 per cent.
Weigh Beams, 35 per cent.
Champion Scales, 55 per cent
Fairbanks Standard, 35 p.c.
" Dominion, 55 p.c.
" Richelieu, 55 p.c.
Warren's new Standard 45 p.c.
" " Champion 55 p.c.

SCREW DRIVERS

Sargent's per doz.... ..... 0 65 1 00

SCREWS.

Wood, F.H., bright and steel, 87½ and 10 p.c.
Wood R. H., " dis. 82½ and 10 p.c.
" F. H., brass dis. 80 and 10 p.c.
Wood, R. H., " dis. 75 and 10 p.c.
" F.H., bronze, dis. 75 p.c.
" R.H. " 70 p.c.
Drive Screws, 87½ and 10 per cent.
Bench, wood, per doz. 3 25 4 00
" " iron. 4 25 5 00
Set, Case hardened, 60 per cent.
Square Cap, 50 and 5 per cent.
Hexagon Cap, 45 per cent.

SCYTHES.

Per doz., net..... ..... 5 00 8 00

SCYTHE SNATHS.

Canadian, dis. 45 p.c.

SHEARS.

Bailey Cutlery Co., full nickeled, dis. 60 and 2½ p.c.
Bailey Cutlery Japan handles, 67½ p.c.
Seymour's, dis. 50 and 10 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SINKS.

Steel and galvanized, discount 45 per cent

SNAPS.

Harness, German, dis. 25 p.c.
Lock, Andrews' 4 50 11 50

SOLDERING IRONS.

1, 1½ lb., per lb.....	0 37
2 lb. or over, per lb.....	0 34

SQUARES.

Iron, No. 493, per doz.....	2 40	2 55
" No. 494, "	3 25	3 40

Steel, dis. 60 10 and 5 p.c.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.

Plain, dis., 75 and 12½ p.c. off revised list.
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized.....	3 25	3 50
Plain.....	2 90	3 15

Coopers', discount 45 per cent.
Poultry netting staples, 40 per cent.

STANDARD CHAIN CO., PITTSBURGH, U.S.A.

MANUFACTURERS OF **CHAIN** OF ALL KINDS.

Proof Coil, B.B., B.B.B., Crane, Dredge Chain, Trace Chains, Cow Ties, etc.

ALEXANDER GIBB, Montreal. —Canadian Representatives— A. C. LESLIE & CO., Montreal.

For Provinces of Ontario and Quebec. For other Provinces.

STOCKS AND DIES.

American dis. 25 p.c.

STONE.	Per lb.	
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip,	0 09	0 09
Labrador	....	0 13
" Axe	....	0 15
Turkey	....	0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, 2in, 40 to 200 lb, per ton	....	25 00
" under 40 lb. "	....	28 00
Grind. under 2 in. thick "	....	29 00

STOVE PIPES.

5 and 6 inch Per 100 lengths	....	7 00
7 inch " "	....	7 50

ENAMELINE STOVE POLISH.

No. 4—3 dozen in case, net cash	$4 80
No. 6—3 dozen in case, "	8 40

TACKS, BRADS, ETC.

Cheese-box tacks, blued ..... 80 & 12½
Trunk tacks, black and tinned 85
Carpet tacks, blued ..... 80 & 15
" " tinned ..... 80 & 20
" " (in kegs) 40
Cut tacks, blued, in dozens only .. 80
" ¼ weights 60
Swedes cut tacks, blued and tinned—
In bulk ..... 80 & 10
In dozens 75
Swedes, upholsterers', bulk ... 85, 12½ & 12½
" brush, blued & tinned, bulk .. 70
" gimp, blued, tinned and japanned ..... 75 & 12½
Zinc tacks 35
Leather carpet tacks 55
Copper tacks 50
Copper nails ..... 5 ½
Trunk nails, black ..... 65 and 5
Trunk nails, tinned ..... 65 and 10
Clout nails, blued ..... 65 and 5

Chair nails		35
Patent brads		40
Fine finishing		40
Lining tacks, in papers		10
Lining tacks, in bulk		15
" solid heads, in bulk		75
Saddle nails in papers		10
" " in bulk		15
Tufting buttons, 22 line, in dozens only		60
Tin capped trunk nails		25
Zinc glazier's points		5
Double pointed tacks, papers	90 and 10	
" " " bulk		40
Shoe nails		60
Clinch and duck rivets		45

TAPE LINES.

English, ass skin, per doz	2 75	5 00
English, Patent Leather	5 50	9 75
Chesterman's each	0 90	2 85
" steel, each	0 80	8 00

TINNERS' SNIPS.

Bailey's, dis. 25 p.c.

THERMOMETERS.

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TRAPS. (Steel.)

Game, Newhouse, dis. 25 p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's discount 10 per cent.

German, per doz	4 75	6 00
S. & D., discount 35 per cent.		

TWINES.

Bag, Russian, per lb	....	0 27
Wrapping, cotton, 3-ply	....	0 19
" 4-ply	....	0 23
Mattress, per lb	0 33	0 45
Staging, "	0 27	0 35

VISES.

Wright's	....	0 13½
Brook's	....	0 12¾
Pipe Vise, Hinge, No. 1	....	3 50
" " No. 2	....	5 50
Saw Vise	4 50	9 00

ENAMELLED WARE.

White, Princess, Turquoise, Blueand White, discount 50 per cent.
Diamond, Famous, Premier, 50 and 10 p.c.
Granite or Pearl, Imperial, Crescent, 50, 10 and 10 per cent.

WIRE.

SMOOTH STEEL WIRE.

No. 0-9 gauge		$2 60
10 "		6c. extra.
11 "		12c. "
12 "		20c. "
13 "		30c. "
14 "		40c. "
15 "		55c. "
16 "		70c. "

Add 60c. for coppering and $2 for tinning

Extras net per 100 lb. — Oiled wire 10c., spring wire $1.25, special hay baling wire 30c., best steel wire 75c., bright soft drawn 15c., charcoal (extra quality) $1.25, packed in casks or cases 15c., bagging and papering 10c., 50 and 100-lb. bundles 10c., in 25-lb. bundles 15c., in 5 and 10-lb. bundles 25c., in 1-lb. hanks 50c., in ½-lb. hanks 75c., in ¼ lb. hanks $1.

Fine Steel Wire, dis. 22½ per cent List of extras : In 100-lb. lots : No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, 7.65—No. 24, $8—No. 25, $9—No. 26 $9.50—No. 27, $10—No. 28, $11 No. 29. $12—No. 30, $13—No. 31, $14—No. 32 $15, No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31 $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles. 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.50 to $3.85—No. 9, $2.85 to $3.15—No. 10, $3.60 to $3.95—No. 11, $3.70 to $4.10—No. 12, $3 to $3.30—No. 13, $3.10 to $3.40—No. 14, $4.10 to $4.50—No. 15, $4.60 to $5.05—No. 16. $4.85 to $5.35. Base sizes, Nos. 6 to 9 $2.52½ f.o.b. Cleveland.
Clothes Line Wire, regular 7 strand No. 17, $4.65; No. 18, $2.90; No. 19, $2.60. Hollow 6 strand, No. 17, $4.30; No. 18. $2.70, No. 19, $2.35; No 20, $2.30, f.o.b. Hamilton, Toronto Montreal.

WIRE FENCING.

Galvanized barb	....	3 00
Galvanized, plain twist	....	3 00

Galvanized barb, f.o.b. Cleveland, $2.77½ in less than carlots, and $2.65 in carlots

WIRE CLOTH

Painted Screen, per 100 sq. ft., net. 1 37½
Terms, 3 per cent. off 30 days.

WASTE COTTON.

	per lb.
Colored	6
White	8

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 60 p.c.
Coe's Genuine, dis. 20 to 25 p.c.

Towers' Engineer, each	2 00	7 00
" S., per doz	5 80	6 00
G. & K.'s Pipe, per doz	....	3 40
Burrell's Pipe, each	....	3 00
Pocket, per doz	0 25	2 90

WRINGERS.

Leader per doz.	$30 00	33 00
Royal Canadian	"	24 00
Royal American	"	24 00
Sampson	"	24 00

Terms 4 months, or 3 p.c. 30 days

WROUGHT IRON WASHERS.

Canadian make, discount, 40 per cent.

ADVERTISING in WESTERN CANADA

will be Carefully Efficiently, and Promptly attended to, by

The Roberts Advertising Agency,

WINNIPEG CANADA.



"Pullman" Lawn Sprinkler

IS YOUR ORDER IN ?

Send for Folder No. 11.

Pullman Sash Bal. Co.
Rochester, N.Y., U.S.A.

Persons addressing advertisers will kindly mention having seen their advertisement in The Canadian Hardware and Metal Merchant.

Standard Paint & Varnish Works Limited
Makers of High Grade Varnishes, Japans, Paints, Colors & Enamels
Windsor, Ont.

STEVENS SINGLE BARREL SHOT GUN.

LATEST AND BEST SINGLE GUN ON THE MARKET.



MADE IN THREE STYLES THREE GAUGES UP-TO-DATE.

FINEST SINGLE GUN YET PRODUCED.

Our Goods are Handled by the Leading Jobbers.

J. Stevens Arms & Tool Co., P.O. Box 217 Chicopee Falls, Mass., U.S.A.

CELEBRATED **HEINISCH** SHEARS.

Tailors' Shears,
Trimmers, Scissors,
Tinners' Snips, etc.



ACKNOWLEDGED THE BEST.

R. HEINISCH'S SONS CO.

NEW YORK OFFICE, 90 Chambers St.
NEWARK, N.J., U.S.A.

Not connected with any Shear Combination.



Ontario Nut Works, Paris

BROWN & CO.

Manufacturers of

All sizes of Hot Pressed Nuts, Square and Hexagon.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker,

13 St. John Street, **Montreal**

Representing British and American Manufacturers. Correspondence invited from firms wishing to be represented in Canada.

"THE EMLYN" SAW BENCH

Made in 6 sizes. Best value obtainable. Specially designed for export With or without "Emlyn" Patent Guard. Sole maker—

CHARLES D. PHILLIPS,

Cables—"Machinery," Newport.

Emlyn Engineering Works, NEWPORT, MON., ENGLAND.

ONTARIO SILVER CO.,

Limited.

NIAGARA FALLS, CANADA.

Manufacturers of **FLATWARE, CUTLERY and ELECTRO PLATE.**

Ask for our Catalogue and Quotations.

Buy the Best.



HERCULES

Sash Cord.

Star Brand Cotton Rope

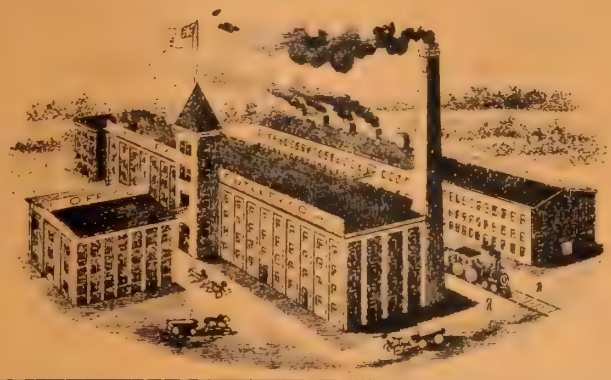
Star Brand Cotton Clothes Lines

Star Brand Cotton Twine

For Sale by all Wholesale Dealers

OUR LARGE NEW FACTORY

WHERE



Shears, Scissors, Razors, Butcher Knives and other Cutlery are made by

BAILEY CUTLERY CO., Limited

BRANTFORD, ONT.

Write for catalogue and prices.

CHAS. F. CLARK, President. **JARED CHITTENDEN, Treasurer.**

...ESTABLISHED 1849...

BRADSTREET'S

Capital and Surplus, $1,500,000. **Offices Throughout the Civilized World.**

Executive Offices: Nos. 346 and 348 Broadway, New York City, U.S.A.

THE BRADSTREET COMPANY gathers information that reflects the financial condition and the controlling circumstances of every seeker of mercantile credit. Its business may be defined as of the merchants, by the merchants, for the merchants. In procuring, verifying and promulgating information, no effort is spared, and no reasonable expense considered too great, that the results may justify its claim as an authority on all matters affecting commercial affairs and mercantile credit. Its offices and connections have been steadily extended, and it furnishes information concerning mercantile persons throughout the civilized world.

Subscriptions are based on the service furnished, and are available only by reputable wholesale, jobbing and manufacturing concerns, and by responsible and worthy financial, fiduciary and business corporations. Specific terms may be obtained by addressing the Company at any of its offices. **Correspondence Invited.**

——OFFICES IN CANADA——

HALIFAX, N.S.	HAMILTON, ONT.	LONDON, ONT.	MONTREAL, QUE.
OTTAWA, ONT.	QUEBEC, QUE.	ST. JOHN, N.B.	TORONTO, ONT.
VANCOUVER, B.C.	VICTORIA, B.C.	WINNIPEG, MAN.	

THOS. C. IRVING, Gen. Man. Western Canada, Toronto. JOHN A. FULTON, Gen. Man. Eastern Canada, Montreal.



Canadian Representative: ALEXANDER GIBB, 13 St. John St., MONTREAL.

75 YEARS. *ESTABLISHED 1825.* *75 YEARS.*

BEAMS
CHANNELS
ANGLES
PLATES

1,500 TONS FOR SALE

All of this material in lengths from 40 to 60 feet.
We can ship promptly, and should be pleased to receive your order.
Prices and stock lists on application.

STEEL FRAME BUILDINGS and ROOF TRUSSES.

Also Steel Bridges for Railways and Highways.

THE HAMILTON BRIDGE WORKS COMPANY

LIMITED

Long Distance Telephone, Hamilton 630. HAMILTON, CANADA.

Est. 1868 Inc. 1895

Black Diamond File Works

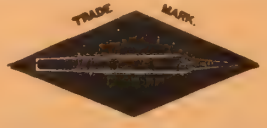
G. & H. Barnett Company

PHILADELPHIA

Twelve Medals



Awarded
By **JURORS** at
International Expositions
Special Prize
Gold Medal at Atlanta, 1895



RUBBER HOSE

FOR

Water	Air	Suction
Steam	Acids	Fire Protection
Gas	Brewers	Pneumatic Tools

SUPERIOR IN QUALITY.
SATISFACTORY IN SERVICE.

When you want anything made of rubber,
write to us.

THE GUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

Head Office and Warerooms—
45-47-49 West Front St.

TORONTO,

Factories—115-165 West Lodge Ave.
124-148 O'Hara Ave.

CANADA.

CASTOR OIL

BRITISH MANUFACTURED.

We have a full stock of

Pharmaceutical
First Pressure
Second Pressure

In Barrels and Cases.

Prices from stock and to import on application.

B. & S. H. THOMPSON & CO.

LIMITED

53 St. Sulpice Street,

MONTREAL.

VARNISHES AND JAPANS

McCASKILL, DOUGALL & CO.

Manufacturers **MONTREAL**



Standard Railway and Carriage Varnishes
Standard Boat and Spar Varnishes
—Wont turn white from the effects of water and sun.
Standard Piano, Furniture and Decorative Varnishes
Zanzerine Transparent Wood Finishes and Varnishes
Architectural Varnishes

OFFICES:

161 Summer St., BOSTON, Mass., U.S.A.
30 St. John St., MONTREAL.

The Best Value for all Machinery Bearings,
LANGWELL'S BABBIT
MONTREAL.

CANADIAN
HARDWARE
AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XIV. MONTREAL AND TORONTO, JUNE 21, 1902 NO. 25.

POCKET KNIVES
H. BOKER & COs
IMPROVED
TREE BRAND
TRADE MARK
RAZORS CUTLERY SCISSORS
FOR SALE BY LEADING WHOLESALE HARDWARE HOUSES.

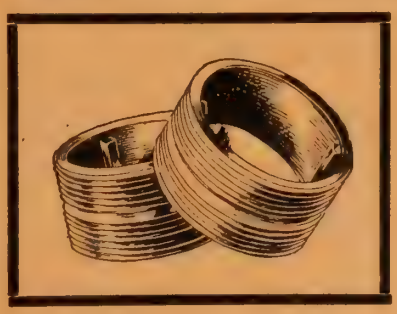
A prominent advertiser asks—

DOES IT PAY TO MAINTAIN QUALITY?

Our experience—forty odd years—is that it does.

JOHN LYSAGHT, Limited
Makers of Galvanized Iron, Steel Sheets, etc.
Canadian Branch—
A. C. LESLIE & CO., Montreal, Managers.

"That Made the Hit"



This is a drawing of the Patent Connection that made the "SAFFORD" famous the world over; that revolutionized radiator building; that made it possible to put a radiator together without bolts, red lead, rods or packing.

The "SAFFORD" is the only radiator on the market for hot-water and steam heating. It means satisfaction every time—is easy to handle for the contractor.

If you have not our Catalogue, write to us.

THE DOMINION RADIATOR CO., Limited
Head Office and Works: DUFFERIN ST. TORONTO, CAN.

ICE CREAM FREEZERS

ICE TONGS SHAVERS PICKS ICE

RICE LEWIS & SON LIMITED

Write for Prices. TORONTO.

We Carry in Stock a Full Line of the Following Goods:

Antimony.
Brass—Sheets, Soft and Hard.
Rods and Tubes.
Canada Plates.
Copper—Bar and Ingot.
Pitts.
Rods and Tubes.
Sheathing, Roofing and Brazier's.
Copperine and Babbitt.
Cotton Waste.
Crucibles.
Eave Trough—Also Spikes and Cond. Hooks

Iron—Band, Hoop and Rod.
Black and Tinned Sheet.
Galvanized, "Gordon Crown."
Russia, Genuine and Imitation.
Iron Pipe—Black and Galvanized.
Lead—Bar, Pig and Sheet.
Lead Pipe.
Solder—Half and Half and Standard.
Steel Sheets—Common and Dead Flat.
Tin Plates—Charcoal and Coke.
Tin—Bar.
Ingot, "L. & F." and Straits.
Wire—Bright Iron and Coppered Iron.
Zinc—Sheets and Block.

ENQUIRIES SOLICITED. PLEASE WRITE FOR QUOTATIONS.

M. & L. SAMUEL, BENJAMIN & CO.

27 Wellington St. West, TORONTO, ONT.

English House: SAMUEL, SONS & BENJAMIN, 164 Fenchurch St., LONDON, E.C.

THEY'RE ALL ALIKE

THAT'S THE BEAUTY OF THE

CARBO MAGNETIC



No Saw Edges
No Soft Spots
No Temper Streaks
No Returned Blades to the Dealer
Will Shave for Years Without Requiring Honing

Sold by all Leading Jobbers.

BOOKLET COMING— if you'll ask for a copy with trade discount.

FIRM OF

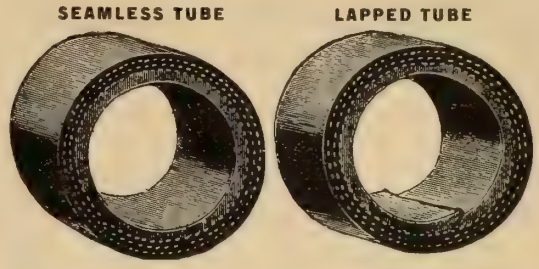
A. L. SILBERSTEIN

Mfrs. of "Griffon" CUTLERY

459-461 Broadway, NEW YORK CITY.

GARDEN HOSE

Seamless Tube



All brands of our **GARDEN HOSE** are made with our

Patent Seamless Tube

WRITE FOR DISCOUNTS.

The Canadian Rubber Co.

MONTREAL TORONTO WINNIPEG

Other Tools are very good Tools, but

"YANKEE TOOLS"

ARE BETTER



No. 15. "Yankee" Ratchet Screw Driver, with Finger Turn on Blade.



No. 30 "Yankee" Spiral-Ratchet Screw Driver, Right and Left Hand.



No. 41. "Yankee" Automatic Drill, Eight Drill Points in Handle.



No. 59. "Yankee" Reciprocating Drill, for Iron, Steel, Brass, Wood, etc.



No. 60.
Pocket Magazine
Screw Driver.

Our "YANKEE" Tool Book tells all about them. Mailed free on application. . . . . .

Manufacturers also of

LIGHTNING, GEM and BLIZZARD Ice Cream Freezers.

Toy Freezers, Ice Shaves and Ice Chippers.

Fluting Machines, Hand Fluters.

Sold by Leading Jobbers in Canada.

NORTH BROS. MFG. CO.,

Philadelphia, Pa., U.S.A.

1/3 SIZE.



No. 104

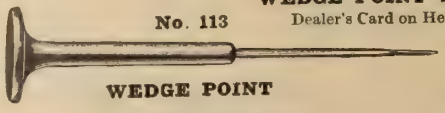
WEDGE POINT
Dealer's Card on Head in Gross Lots.

No. 112



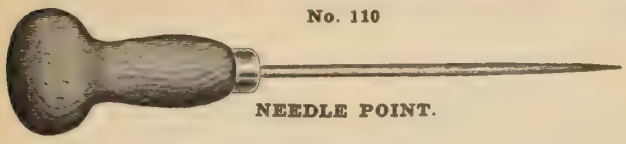
WEDGE POINT SPRING PICK.
Dealer's Card on Head in Gross Lots.

No. 113



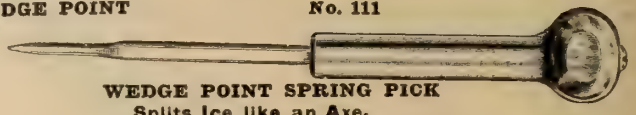
WEDGE POINT

No. 110



NEEDLE POINT.

No. 111

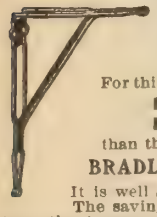


WEDGE POINT SPRING PICK
Splits Ice like an Axe.

WALKER'S QUICK AND EASY ICE PICKS. ANTI-RUST NICKEL-PLATED.

Steel Tempered; will not Bend, Break or Rust

ERIE SPECIALTY CO., Erie, Pa., U.S.A.

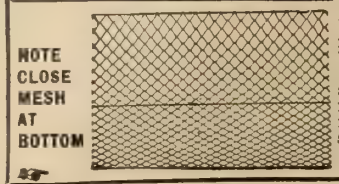


Will Hold Up a Shelf!

That's what a shelf bracket is for.
For this purpose there can be
NOTHING BETTER
NOTHING CHEAPER
than the . . . .
BRADLEY STEEL SHELF BRACKET
It is well Japanned, Strong and Light; The saving in freight is a good profit, aside from the lower price at which the goods are sold

Order direct or through your jobber.

ATLAS MFG. CO., New Haven, Conn., U.S.A.



Page Acme Poultry Netting

is close meshed at bottom and does not require rail or board support at edges, having strong straight wire (No. 12 guage) at top, bottom and in centre, cannot sag and is easy to erect. The "Page Acme" netting is of neat appearance, very durable and cheap. We also make farm and ornamental fence, gates, nails and staples. The name of Page is your guarantee of quality.

The Page Wire Fence Co., Limited, Walkerville, Ont. 5

1,000 PRINTED ENVELOPES

For $1.00.

We do good printing cheap—500 Noteheads, 500 Envelopes and 500 Statements for $2.50.
Snaps in Stationery of all kinds.

WEESE & CO., Jobbers,
54 Yonge Street, - Toronto.



BISHOP & CO.

Established 1850.

27 and 28 Little Trinity Lane, - LONDON, ENG.

54 Scotland St., SHEFFIELD
Table Cutlery, all qualities.

23 Vittoria St., BIRMINGHAM
Wrought Steel Pots, round or oval.
Tinned inside or enamelled.

Samples on view at the following Agencies:—
Alex. Thurber, 446 St. Paul St., - - MONTREAL.
E. Fielding, 34 Yonge St., - - TORONTO.
E. L. Denoncourt, 74 St. Joseph St., - QUEBEC.

Lockerby & McComb

AGENTS IN CANADA

FOR THE

Celebrated P. & B.
Cold Storage Lining

AND

. . Ruberoid Roofing . .

P. S.--Prices on Application.

65 Shannon Street, MONTREAL.

STOVE BRICK
FIRECLAY AND ASBESTOS
FURNACE CEMET

all kinds of Fire Clay Products made to order from patterns. Write us for varieties and prices.

JONES BROS., Bracondale, P.O., Ont.
(near Toronto.)

Lace Leather

Send direct to us for the celebrated "NIAGARA" Brand Lace Leather, best produced in this country. Yellow and White in Sides or Cut Strings. Prices and Samples on application.

WOOD BROS.
Tanners of High-Class Leathers,
ST. CATHARINES, ONT.

WIRE ROPE

Wire Rope.



OF

All Kinds and Sizes
AND FOR
All Purposes.

PRICES RIGHT. PROMPT SHIPMENTS.

The B. GREENING WIRE CO., Limited

Hamilton, Ont. Montreal, Que.

FILES. RASPS.

WE ARE NOT IN THE TRUST.

Quality of our goods guaranteed and our discounts very liberal. A trial order solicited. Write for discounts.

99 Niagara St., TORONTO FILE CO.

CANADIAN GOODS FOR CANADIANS.

The Zanzibar Paint Co., Limited

TORONTO. Sole Manfrs.

Zanzibar House Paints.
Strong Colors, Durable Gloss, Uniform and Smooth.

Zanzibar Floor Paints.
Easily Spread, Elastic and Durable—Dry Quickly and Hard.

Zanzibar Roof and Barn Paints.
Low Priced, Smooth Body, Weather-Proof.

Zanzibar Shingle Stains contain no anilines, but best pigments—Permanent Colors, Strong Preservative

NOTE:—We're a strictly Canadian house, buying all we can in Canada, quality being equal, and we will appreciate your patronage or an opportunity to tell you more about ourselves and our goods.

HIGHEST QUALITY

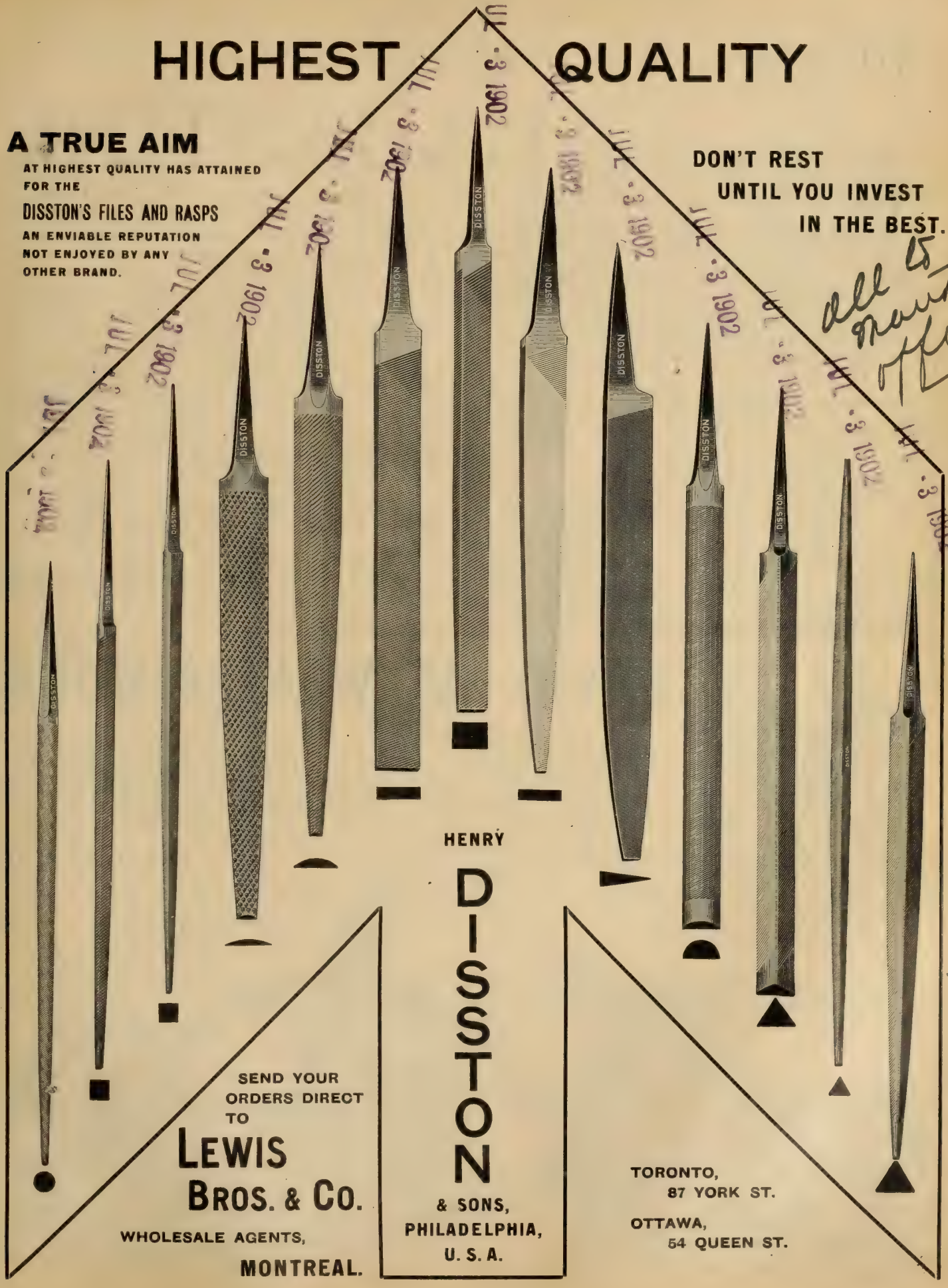
A TRUE AIM

AT HIGHEST QUALITY HAS ATTAINED FOR THE

DISSTON'S FILES AND RASPS

AN ENVIABLE REPUTATION NOT ENJOYED BY ANY OTHER BRAND.

DON'T REST UNTIL YOU INVEST IN THE BEST.



HENRY DISSTON & SONS, PHILADELPHIA, U. S. A.

SEND YOUR ORDERS DIRECT TO

LEWIS BROS. & CO.

WHOLESALE AGENTS, MONTREAL.

TORONTO, 87 YORK ST.

OTTAWA, 54 QUEEN ST.

HENRY ROGERS, SONS & CO.,

SHEFFIELD, ENGLAND

Manufacturers of the celebrated



H R S & C°

Barb and Plain Galvanized Wire

—AND—

Vulcan and Forth Firebricks.

For Sale on Wharf - - MONTREAL.

Canadian Office:

6 ST. SACRAMENT ST., MONTREAL

F. A. YORK, Manager.

STANDARD TIN WORKS

MANUFACTURERS OF

TINWARE AND TIN CANS

Fruit Cans, Meat Cans,
Jacketed Oil Cans,
Baking Powder Cans,
Lard Pails, Etc.

JAS. A. McGOLPIN

156-162 Duke Street, TORONTO.

THE ALABASTINE CO., Limited, PARIS, ONT.

Are still doing business at the old stand, manufacturing and selling **Land** and **Calcined Plaster**; **Paristone**—the best Cement Wall Plaster; Church's **Bug Finish** that kills Potato Bugs with one application; and **best of all**

ALABASTINE

so well and favorably known "The World Over." The Wall Coating that has proof of origin, and sells on its own merits. No substitute or imitation about ALABASTINE; it is the original product, made adapted for use in Cold Water by the inventor, Mr. M. B. Church, the first and only person who ever developed a practical Cold Water compound with Calcined Gypsum as a base.

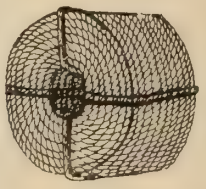
ALABASTINE is patented in Canada and other Countries. Our patents, like our goods, are genuine, and practical for making a wall coating in the manner perscribed. **Facts are indeed stubborn things.**

—The Trade supplied by—

Sanderson Pearcy & Co., Toronto, Ont.
Wood, Vallance & Co., Hamilton, Ont.
Hobbs Hardware Co., London, Ont.
Vancouver Hardware Co., Vancouver, B C.
William Hill, Montreal, P.Q.
W. H. Thorne & Co., St. John, N.B.
G. F. Stephens & Co., Winnipeg, Man.
Miller, Morse & Co., Winnipeg, Man.

THE INDEPENDENT CORDAGE CO., Limited,

TORONTO.



Highest Award Pan-American Exposition.

MANUFACTURERS OF ALL KINDS OF

SISAL MANILA **ROPE,** Lath Yarn, Shingle Yarn, Hide Cord. Pulp Cord, Clothes Lines **BINDER TWINE**

Transmission Rope a Specialty.

DAVID MAXWELL & SONS

ST. MARYS, ONT., CANADA.



Steel Frame Churn.

"Maxwell Favorite Churn"

PATENTED FEATURES: Improved Steel Stand, Roller Bearings, and Foot and Hand Lever Drive, and Detachable Driving Link. Improved for season of 1902. Steel or Wood Frame as desired.

Lawn Mowers.

High and Low Wheels. from 12 in. to 20-in, widths. Cold Rolled Steel Shafting, Crucible Steel Knives and Cutting Plate.

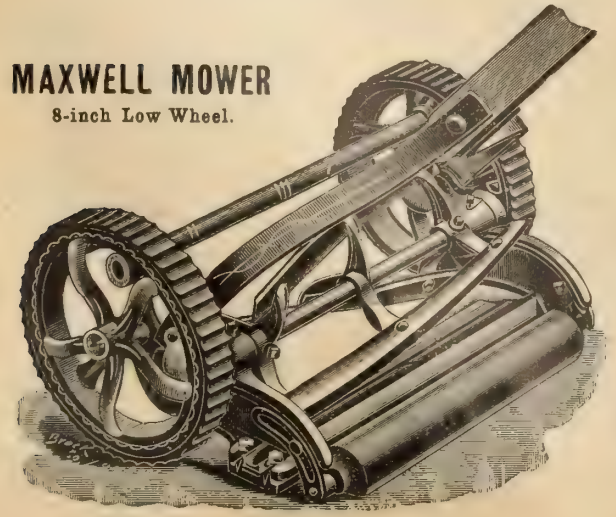
Wheelbarrows. In Four different Sizes.

If your Wholesale House does not offer you these articles

SEND DIRECT TO US.

MAXWELL MOWER

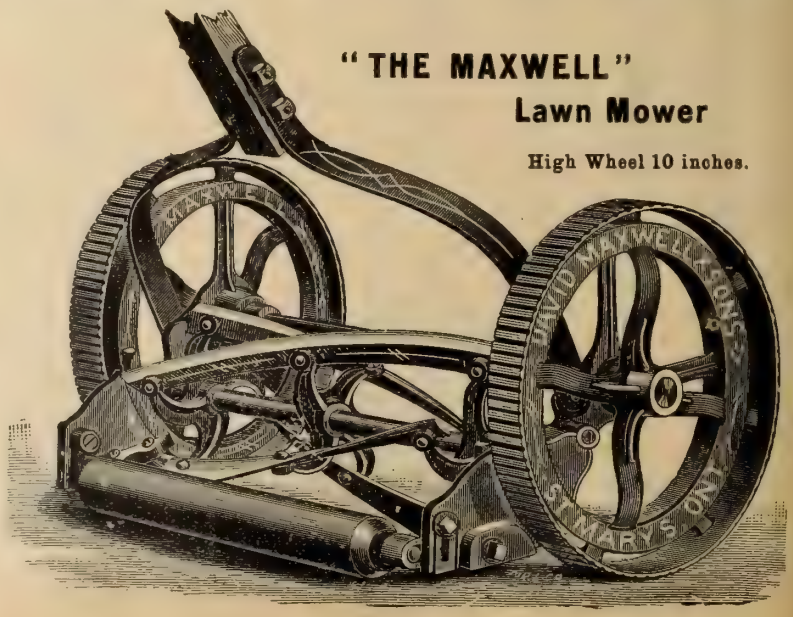
8-inch Low Wheel.



"THE MAXWELL"

Lawn Mower

High Wheel 10 inches.



Experienced judges have a way of getting down to **Facts** and this is the reason why

MURALO WALL-COATING

through its sanitary features, durability, the beauty of its tints and its pureness in quality was awarded the **medal** at **Toronto Exhibition 1900** and secured an enviable position and award of honorable mention at the **Paris Exposition Universalle de 1900 and Philadelphia National Export Exposition 1899.**

Every up-to-date dealer increases his sales with **MURALO** 100 per cent. over his past experience with inferior goods and, coupling this with the **fact** that his profit per pound is more, demonstrates to the heretofore non-interested dealer the advisability of writing for our best prices and discounts. We are pleased to furnish our complete 1902 Catalogue to the trade and solicit inquiries.



CANADIAN MEDAL.

THE MURALO COMPANY

New Brighton, Borough of Richmond, N.Y.

A. Ramsay & Son, Montreal. **J. H. Ashdown Hardware Co., Winnipeg.**
McLennan, McFeely & Co., Vancouver.

NIXON AND WINTERBOTTOM, Ltd.

MANUFACTURERS.

PYRAMID WORKS, SHEFFIELD, ENGLAND.

Registered Trade Mark

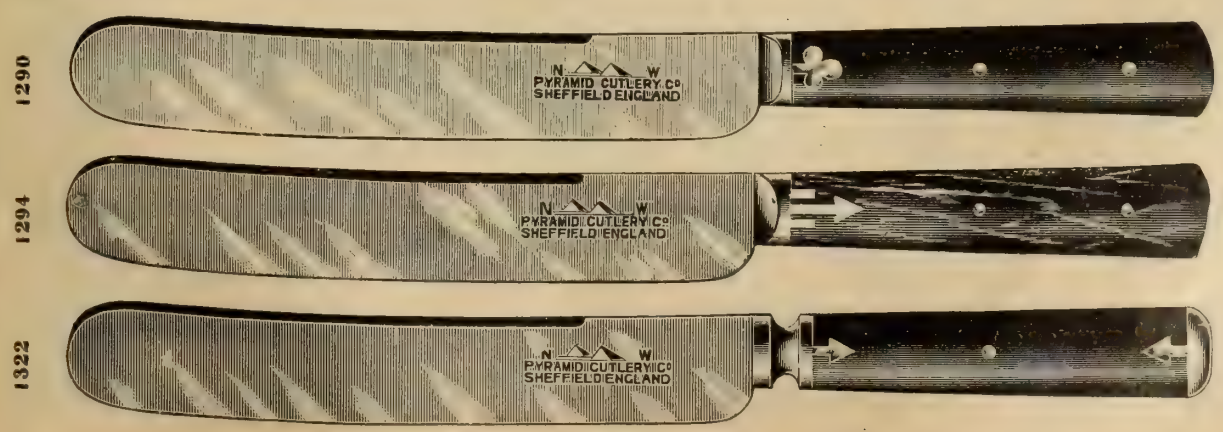
Registered Trade Mark

TABLE CUTLERY
BUTCHERS' KNIVES & STEELS
FARRIERS' KNIVES

ESTABLISHED **1861**

TELEGRAMS "PYRAMIDS, SHEFFIELD."

BREAD KNIVES
PUTTY, PALLETTE, SHOE & POTATO KNIVES



CASE CARVERS A SPECIALTY

Canadian Agents: Messrs. W. L. HALDIMAND & SONS, St. Dizier St., MONTREAL

The Selling Qualities

Or our splendid range

The Imperial Oxford

make them the most desirable stock you can handle.

THEIR DIFFUSIVE FLUE CONSTRUCTION
FRONT DRAW-OUT GRATE
OVEN THERMOMETER
DRAW-OUT OVEN RACK

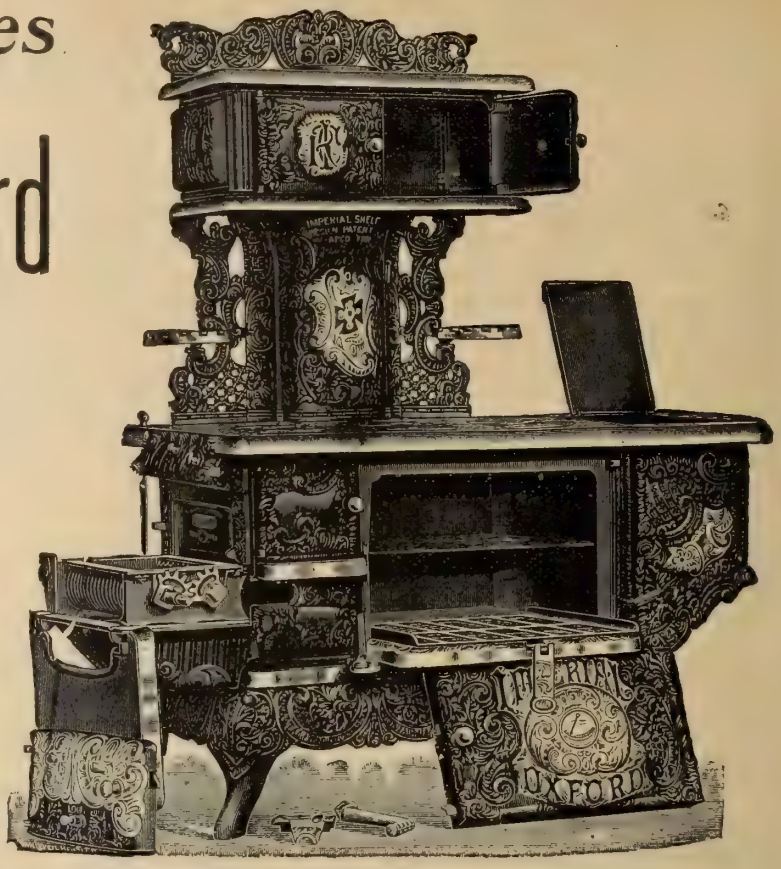
and other improved features, give them a quickly appreciated precedence over other ranges.

Housewives everywhere praise them enthusiastically.

Customers realize their superiority on sight—sales are easy.

They're the popular range of Canada.

Send us your order at once.



THE GURNEY FOUNDRY CO., Limited

TORONTO. WINNIPEG. VANCOUVER.

THE GURNEY-MASSEY CO., LIMITED, MONTREAL.



Australasian Hardware and Machinery.

The Organ of the Hardware, Machinery and Kindred trades of the Antipodes.

SUBSCRIPTION $1.25 PER ANNUM,

post free to any part of the world.

PUBLISHING OFFICES:
Melbourne - Fink's Buildings.
Sydney, - - - Post Office Chambers.
AMERICAN OFFICES:
New York, - Park Row Building.
BRITISH OFFICES:
London, - - - 42 Cannon St., E.C.

Specimen Copies on application.

CANADA FOUNDRY CO. LIMITED.

WE LEAD

IN THE MANUFACTURE OF:

Cold Pressed Nuts,
Square and Hexagon,
Finished and Semi-Finished,
Cap Screws,
Set Screws,
Thumb Screws, Bolts,
Special Milled Work, etc.

CANADA FOUNDRY COMPANY.

LIMITED.

14-16 King St. East, TORONTO.

Special Cut Prices

BICYCLE SUNDRIES

LAMPS

20th Century Gas	Electro Gas	Searchlight Oil	Matthews & Willard Oil	Queen and Leader Oil
$1.80	$1.40	$1.50	$1.10	75c. each

CYCLOMETERS

Veeder	New Era	Standard	Spalding
$6.00	$6.00	$3.25	$3.00 dozen

BELLS

New Departure . . .	D 7½—$1.90	E 9½—$3.00	E 6½—$3.00	E 7½—$2.50 per dozen
Bristol Bells	No. 122—$1.90	No. 190—$1.30	No. 322—$2.95	No. 413—$5.35 per dozen

TOE CLIPS—50c. per dozen pair. LAMP BRACKETS—35c. dozen. COASTERS—$1.00 per dozen pair.
Full Line of Eclipse Cements and Oils, Etc. Coles' "3 in 1" and Lubricants.

Caverhill, Learmont & Co.

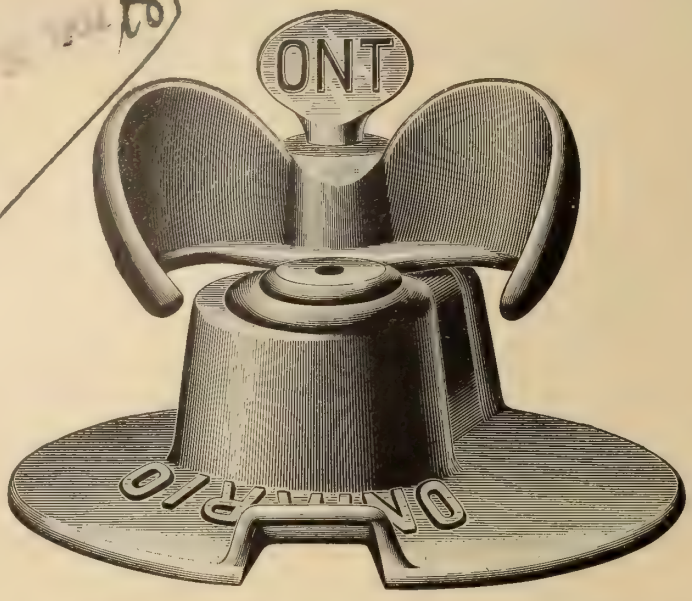
89 ST. PETER STREET, MONTREAL.



ADDRESS ALL COMMUNICATIONS TO OUR CANADIAN OFFICE AND STORES,

THE EDINBURGH ROPERIE & SAILCLOTH CO'Y, Limited, - - 9 St. Peter Street, MONTREAL.

The Ontario Lawn Sprinkler



No wearing parts to get out of order.

No parts that will clog.

Adjustable wings to prevent wetting walks, etc.

Throws a spray as fine as mist.

Will give more satisfaction than the most expensive styles.

THE WHOLESALE TRADE CARRY THEM IN STOCK.

Manufactured by

A. R. WOODYATT & CO., GUELPH, ONT.

Seasonable Goods



Novelty Refrigerators and Water Coolers Combined . .

An article of utility.

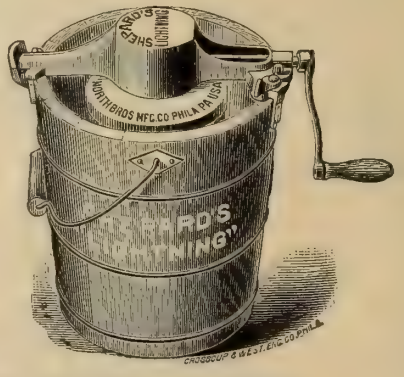
Preserves meats and other articles of food as well as any refrigerator made.

Consumes but a small quantity of ice.

Has Nickel-Plated Faucet attached to Ice Chest, and will supply ice water if required without using an extra quantity of ice.

Substantially made of galvanized iron, and finished in oak.

Low in price and inexpensive in operation. Within the reach of everybody.



Ice Cream Freezers

"LIGHTNING" and "BLIZZARD"

Equal to the Best. None Better.

A FULL LINE CARRIED IN STOCK.

We Will be Pleased to Quote You.

KEMP MANUFACTURING CO., TORONTO, CANADA.

HARDWARE AND METAL

VOL. XIV. MONTREAL AND TORONTO, JUNE 21, 1902. NO. 25.

President:
JOHN BAYNE MacLEAN,
Montreal.

The MacLean Publishing Co.
Limited

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P.E. Island and Newfoundland.

OFFICES.

MONTREAL - - - 232 McGill Street. Telephone 1255.
TORONTO - - - 10 Front Street East. Telephones 2701 and 2702.
LONDON, ENG. - - 109 Fleet Street, E.C. W. H. Miln.
MANCHESTER, ENG. - - 18 St. Ann Street. H S. Ashburner.
WINNIPEG - - - Western Canada Block. J. J. Roberts.
VANCOUVER, B.C. - - - Flack Block. J. A. Macdonald.
ST. JOHN, N.B. - - No. 3 Market Wharf. J. Hunter White.
NEW YORK - Room 443 New York Life Bldg.

Subscription, Canada and United States, $2.00.
Great Britain and elsewhere - - 12s.

Published every Saturday.

Cable Address { Adscript, London. / Adscript, Canada.

WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

AN UNJUST STRIKE.

IN striking under the conditions which they have the journeymen plumbers of Toronto are flying in the face of public opinion. As a rule, the sympathy of the masses is on the side of the striking wage-earners; but it is not so in the present instance.

The public may at times be misguided in its judgment, but it loves righteousness better than iniquity, and aims to dispense justice rather than injustice. It is this that explains the attitude of public opinion towards the strike of the working plumbers of Toronto.

A more flagrant breach of contract than the present strike could scarcely be conceived. After many conferences an agreement was signed on March 19, 1901, by the representatives of the Master Plumbers' Association and the Journeymen Plumbers' Union. This agreement was to remain in force until January 1, 1904. Both masters and men expressed satisfaction with the agreement, and the former entered into contracts feeling satisfied for at least two years and nine months there was no danger of their calculations being upset by labor disturbances. A copy of this agreement will be found printed on another page.

In spite of that agreement the men unblushingly declare they are justified in breaking it, because trade conditions are more favorable to-day for a higher rate of wages than they were 16 months ago.

The men, in striking under such conditions, have no doubt broken the moral law; and it is an open question as to whether they have not also broken the statutory law governing contracts. In both Great Britain and the United States the courts have given decisions which would appear to bear out this contention. Certainly no agreement between individuals could be broken with such impunity without coming within the pale of the law.

And what applies to individuals ought to apply with equal force to the acts of organized bodies of individuals.

PRAISEWORTHY ACTION.

Nothing that the Toronto Board of Trade has done for many years has so increasad its popularity and received the general endorsation of the public as its action in regard to the difficulty between the Street Railway Company and its employes.

While up to the time of going to press there is still grave danger of a strike, it is certain that the citizens of Toronto would have been experiencing the inconveniences of at least a partial paralysis of the street railway service but for the timely intervention of the Council of the Board of Trade, and particularly of its representatives, President Ames and Messrs. J. D. Allan and W. J. Gage and Secretary Jarvis.

If their efforts are not finally successful it will not be due either to the want of intelligent or energetic action on their part. It will be simply due to the stubbornness of either one or the other of the parties to the dispute.

THE YOUNG MAN.

DURING the recent conventions of the different churches in Canada the young man came in for a great deal of consideration.

But it is not only in his relation to the Church that the young man is coming in for a great deal of consideration. His relation to commercial life is also a live topic.

There has probably been no time in the history of the world when the young man has received greater attention. This is largely due to the new commercial conditions, which demand a higher state of efficiency than was at one time deemed necessary on the part of those designed for mercantile careers. To-day there is positively a dearth of young men of first-class ability. There are numbers of young men seeking positions, but there are also a great number of positions, which are seeking desirable young men—men who can think and act for themselves, and who have energy to keep them going.

APPOINT A COMMISSION OF BUSINESS MEN.

AT a recent meeting of the Brantford Board of Trade the resolution of the Halifax Board regarding the Intercolonial Railway came up for consideration. This resolution, it will be remembered, was in favor of the management of the I. C. R. being handed over to the Canadian Pacific Railway.

The resolution found little sympathy with the Brantford Board, which is its experience before every board of trade in the country that has discussed it.

During the discussion of the question at Brantford the other day, one of the members said that the proper solution of the I. C. R. problem was the appointment of a Government commission "composed of sound, capable business men who should be given a free hand to manage the road."

This is practically the position this paper has taken since the question was first mooted. And it seems to us the only solution. No matter how zealous the Government may be, whether it be Conservative or Liberal, it is practically impossible for a railway to be managed in a businesslike way under its direct control. It is only natural in order that a good report may be annually submitted that the party in power should desire to present a favorable statement, but it is practically impossible for it to do so, on account of the demands which are continually being made upon the Government by its supporters for privileges or appointments for themselves or for their friends, which no Government has yet been able to successfully resist.

The earnings of the road are steadily increasing, and last year were the largest on record, being over $5,000,000. The expenses are also increasing at an equal ratio, and last year exceeded the earnings by nearly half a million dollars. Both the passenger and freight traffic last year were the largest in the history of the road.

As our readers are well aware, the road in the first place was not built as a business venture. The route laid out had, first of all, in view military exigencies, and not commercial requirements, and was suggested by the Imperial authorities. Had the road been built for purely commercial purposes, the route taken would have been an entirely different one. However, the road is now built, and it is without a doubt one of the best equipped, both in regard to rolling stock and roadbed, on the continent, as everyone knows who has travelled over it. The only thing wrong with the road is that it does not pay.

But in spite of the geographical drawbacks, there is no reason why every effort should not be made to manage it on a purely commercial basis, and this can only be done by the road being managed by a commission composed of men with practical business experience and untrammeled by political interference. This is a matter which the boards of trade throughout the country should persist in impressing upon the attention of the Government, and it is to be hoped that at the annual meeting of The Canadian Manufacturers' Association in Halifax, in August next, due attention will be given to the matter.

NEEDED LEGISLATION.

THE practice of business men making over their property to their wives in order to escape payment to creditors in case of failure or other reverse in business, has become only too common, and any legislation which can be effected to remedy the evil should be welcomed by all honorable men.

The subject was brought up in the Quebec Legislature during the last session, and an amendment was made to Article 1834 of the Civil Code regarding the registration of marriage contracts, which has since been assented to. This amendment read as follows :

Every married person doing business as a trader, whether alone or in partnership with others, shall be bound, under a penalty of a fine of $200, to register in the office of the prothonotary of the Superior Court of the district wherein such business is carried on, within sixty days from the date on which trading commenced, or within sixty days from the date of his marriage, a declaration in writing stating if he is under community or is separate as to property, if by contract of marriage, and in case of separation of property, if by marriage contract or judgment. If by marriage contract, the declaration shall mention the date, the name of the notary before whom the deed was passed, and the domicile of the latter when the contract was made; and if by judgment the declaration shall mention the number of the case, the date of the judgment, and the name of the district in which the judgment was rendered.

The prothonotary of each district shall keep a register for this purpose.

The following persons are subject to the provisions of the code :

1. Merchants, viz., persons habitually engaged in the buying and selling of goods, wares and merchandise for profit.
2. Manufacturers of goods, wares or merchandise for sale.
3. Bankers and dealers in money and commercial paper and securities.
4. Factors or commission merchants.
5. Auctioneers.
6. Insurance and underwriters.
7. Common carriers for hire, whether by land or water.
8. Hotel and tavern, eating house and boarding-house keepers.
9. Warehousemen and wharfingers.
10. Mechanics and tradesmen who buy goods, wares or merchandise, either in the form of raw materials or wholly or partially manufactured, with intent to sell, after having by their labor improved the articles so purchased, or converted them into something else; such as jewellers, boot and shoe makers, builders, merchant tailors, hatters and furriers, watch and clockmakers, shipbuilders, printers, butchers and millers.

Those who have been married in Ontario and are residing in Quebec are considered entirely separate as regards property.

AUTOS AND THE POST OFFICE.

A REPRESENTATIVE of HARDWARE AND METAL one day this week interviewed the manager of a prominent cycle company as to the decision of the Post Office Department to abandon the quad motor machines used in the collection of mails and to return to the old system of driver and horse.

The manager intimated that he had read about the Department's decision, and expressed no surprise that it should have taken such a course. The autos, he declared, were preeminently adapted to that style of work, but Toronto was not as yet adapted to the autos. The character of the pavements was not suitable to the high rate of speed that had been demanded. He believed unnecessary expense had been incurred owing to the fact that it had been impossible to get experienced men to work all the autos.

This is simply another case illustrating the misfortunes of living ahead of the times. When the Postmaster General becomes also pathmaster or road superintendent the autos will again be installed.

NEW USE FOR TRADING STAMPS.

Trading stamps are being devoted to a rather new purpose in Indiana. A despatch from Indianapolis says that a fire insurance agent there is offering trading stamps with each policy which he negotiates.

His competitors are naturally up in arms against him, and threaten to make a direct rebate of 5 per cent. below his rates.

Trading stamps were for a long time a disturbing factor in mercantile circles, and they now promise to be equally so in fire insurance circles in Indiana.

INDUSTRIAL GOSSIP.

THE Cockshutt Plough Co., of Brantford, intend to build, at an early date, a new factory on their property in the eastern section of that city.

Only one vote was recorded against the proposal submitted by the town council of Welland to exempt from taxation the Welland steel plant.

Boring operations for coal will last all summer in Prince Edward Island. Dr. Ellis, of the Geological Survey Department, will advise where tests will be made.

The Toronto sheet metal workers' contract with their employers expires on July 3. A conference between both parties is called for Monday evening, June 23, at the Builders' Exchange.

Near Thessalon a large deposit of copper, with vein nearly a mile in length and about 15 feet wide, has been discovered by Mr. J. S. Dobie, C.E., of Bruce Mines. Test pits prove the existence of a rich supply of copper ore.

The structural iron workers' strike at Toronto has been ended. The new scale grades the men from 27½ cents an hour down to 25 cents. Thus the men of other trades who were called off work on the Canada Foundry Company's new building at Toronto Junction now return to work.

A MOUNTAIN OF HEMATITE. The C.P.R. has a mountain of hematite at Kitchener, Crow's Nest Pass. This property, the former owners, the British Columbia Gold Fields Company, worked for copper, but threw it up. The C.P.R. has now refused an offer of $1,000,000 cash for this as iron property. The offer was made by The United States Steel Co. The C.P.R. is arranging the details of an agreement looking to the allotment of territory in which the steel company will allow the C.P.R. monopolistic privilege.

HAMILTON STEEL CO. The Hamilton Steel Co., Limited, is taking advantage of the boom in steel and iron stocks to bring itself more prominently before the investing public. A limited company formed in July, 1899, with an authorized capital of $2,000,000, took over the plant of the Hamilton Blast Furnace Co. and the Ontario Rolling Mills Co. Capital stock is issued to the amount of $1,513,600, with no preferred stock and no bonded indebtedness, dividends being payable quarterly. Last year's dividends were 5 per cent. exclusive of 1 per cent. last quarter. The company has two mills at Hamilton and one at East Hamilton.

BRICKS AND BARGES. To manufacture, buy, sell and deal in bricks for building, paving and other purposes, with the power to acquire patent rights in relation thereto; also, to buy, sell and deal in sand, with the right to acquire and own limekilns; also barges and such other vehicles of transportation as may be necessary for such business, has The Montreal Silicate Brick Co., Limited, been incorporated. The total capital stock of the company is $100,000, divided into 1,000 shares of $100. The incorporators are David Robertson, merchant; George J. Sheppard, manufacturer; Alfred Joyce, confectioner; John McLean, contractor, all of Montreal, and Charles W. Trenholme, manufacturer, Westmount, Que.

A NEW MICA CO. The British Columbia Mica Co. is applying for incorporation under the laws of New Brunswick. This company has for its objects the purchasing of certain mining lands and premises in the Cariboo District, British Columbia; to acquire and develop any mining properties in that district; to mine, prepare for use and sale, manufacture and dispose of mica and all the products thereof; to operate and control tramways, bridges, electric and steam railways, ships, rolling stock, machinery, and the right to buy out any other mining businesses, plants and factories, and dispose of them. The chief place of business is Louisville, N.B., and the amount of capital stock of this company is to be $1,000,000, divided into 10,000 $100 shares. The shareholders of this company are as follows: Samuel Winter, merchant; Wm. Christie, baker; James McD. Cooke, druggist, all of Moncton, N.B.; Gurney R. Jones, lumber merchant, Lewisville; Andrew H. Jones, banker; E. Albert Reilly, barrister, of Moncton, and James P. Geddes, New York, N.Y. The first six named are the provisional directors.

METALS USED IN BLACKSMITHING.

IN an address on "Metals, Methods and Tools Used in Blacksmithing," read at a recent meeting of the New England Railroad Club, Matthew Burns said:

Wrought iron is frequently found to present peculiar phases of character, and they must not be overlooked in working the iron, as they affect its strength. Sometimes wrought iron is brittle when red-hot, but perfectly pliable when cold. This peculiarity is usually considered to be due to the presence of a small quantity of sulphur in the iron. Then there is wrought iron having the opposite quality, being comparatively brittle when in the cold state and perfectly pliable and workable when red-hot. This is said to be due to the presence of silicon, or phosphorus, in the iron. These conditions are so marked as to suggest the idea that the gas occasioned by the impurities forms a coating which envelops and separates the molecules of the iron, thereby greatly diminishing the value and usefulness of the iron for many practical purposes.

Wrought iron is a very silvery metal, fusing with difficulty, and is moderately strong and tough. It is obtained from cast iron, and during the transformation passes into a pasty condition, and is worked while in this condition under steam hammers and by being passed through between heavy rollers. With good material, and workmen who would properly heat and work the iron, we would be able to get iron that would not be so brittle and full of seams, slag and sand. Careful working at the furnace rolls and hammers would remove largely the foreign substances, as well as the carbon in the iron produced by the manufacturers.

Every blacksmith has used Norway iron, and has also read how it is made. In the making of magnetic iron in the mines of Danemara, Sweden, such of it as is smelted with wood charcoal is free from all impurities, and contains a large percentage of pure iron; hence it is very soft and very fibrous, and free from what some of our manufacturers put in their iron—stone. In Sweden they use the pure iron ore. This iron is very good for some purposes, but not for others, as it is very soft. Under hard strain it will stretch and leave small open places, which, of course, will break easily. All kinds of iron and steel have their peculiarities, and these must be watched and carefully taken into consideration. Especially is this true of steel of all kinds. In working forgings, for instance, the danger is greater at a descending than at an ascending heat. Our theories and ideas regarding this matter may be all wrong, yet in wrought iron and steel there remains the peculiar feature of suddenly breaking off at what blacksmiths call "the short red heat," or some others "the fatal blue heat." I have been studying and working a long time trying to find out what caused this peculiarly sensitive effect in these two metals, but I have not satisfactorily solved the problem yet, and I would be glad to hear from anyone here this evening who can throw any light upon the matter. It will be greatly to our advantage to investigate those mysterious fractures which occur in steel and iron at the "short red" and "fatal blue" heats. Steel being

a very sensitive metal, we should avoid all that is short and brittle, because it will not stand much bammering, hot or cold. It is my belief that heat or cold causes a movement of the particles which are striving to collect or adjust themselves. Without a doubt, a partial separation of the crystals and particles takes place; and heat no doubt causes the molecules of the iron to become restless, thereby causing it, for the time being, to lose its natural cohesive force, and if struck at such a time it will break like cast iron; and the poorer the steel or iron the harder it will be for the smith to keep it from breaking. So let us have good iron and steel to work with, and blacksmiths generally will do more and better work.

As there are a large number of different kinds of wrought iron, having distinct grades of softness or hardness, it behooves all blacksmiths in making welds to see that the pieces they are about to weld together possess the same physical and chemical constituents; either let both be hard or both be soft; for if they are not alike, the metal will not flow in a straight line, for the soft metal will flow in an unequal manner, and the hard metal, resisting the soft, destroys the proper bond of harmony which should prevail at all times in the welding of iron. But with good coal, a good clean fire, and a good workman, this difficutly can be overcome to a great extent.

CATALOGUES, BOOKLETS, ETC.

GUN CATALOGUE.

AN exceedingly fine catalogue has just been issued by Lewis Bros. & Co. to show to the trade their range of guns, revolvers, and gun accessories, and the prices at which they are sold. It contains 68 pages, bound in cardboard covers and is splendidly illustrated. The first portion of the book deals with double-barrel breach-loading guns, hammerless guns, single-barrel breach-loading guns, muzzle-loading guns, Winchester repeating shot guns and rifles, Marlin repeating rifles and carbines, Lee-Enfield rifles, single shot rifles, air rifles, etc., each class shown in a number of grades and makes, and illustrated so that the various parts, together with the ammunition used, can be examined closely. Then come the revolvers, of which the variety is immense. The illustrations of these are perfect samples of engraving, and show the revolvers and pistols from various points of view so that all the parts can be inspected. The remaining portion of this catalogue is taken up with cartridges of all sorts, cleaning implements, reloading tools, and every other article that could possibly be required in this line. Prices are given with every article. This catalogue should be in every dealer's hands. By its use, mail-order business is made much easier, and can be conducted with greater advantage to the retailers.

A HARDWARE CATALOGUE.

Emerson & Fisher, St. John, N.B., have just issued their No. 10 Hardware Catalogue —an excellent specimen of enterprise and workmanship. With its 450 pages of printed matter and 2,500 cuts, its clean, bright type and its excellent binding, this edition deserves to rank as a classic among catalogues. Two thousand copies of the catalogue, requiring five tons of paper, have been issued.

An examination of the catalogue reveals a full and complete line of up-to-date hardware, selected with a view to the special needs of the trade of the Maritime Provinces. The exhaustive index and classification index which have been compiled will be found very useful. The words Emerson & Fisher, St. John, N.B., in circular form are neatly stamped in blue on alternate pages.

The book is divided into 32 divisions, each dealing with one distinct class of goods, thus, cutlery comprises pages 188 to 218, while farm hardware will be found to occupy pages 345 to 373. Notice is given the trade that the accompanying illustrations, though they are most exhaustive, do not represent their complete line, but only some of the most staple patterns. The full line of samples, the reader is reminded, is carried by the company's travellers.

An excellent arrangement and classification of goods is given. Prices are quoted for each article except where prices are liable to frequent changes.

On the whole, the catalogue is highly creditable to Messrs. Emerson & Fisher, and its usefulness will be greatly appreciated by retailers.

A BOOK ON ROOFING.

Some valuable information concerning roofing and roofing material is to be found in a little booklet issued by The Paterson Manufacturing Co., Limited, of Toronto and Montreal. What good roofing material is, what outfit a roofer needs, how to cover a flat roof properly—these are all described carefully with many details. Then follows a trade price list and catalogue of the various materials manufactured by this firm. Special attention is directed to their patent, wire-edged, two and three ply ready roofing, which is an excellent substitute for shingles or slates on sloping roofs. By the annual use for the first three years after putting on the ready roofing of liquid asphalt cement, also manufactured at the company's factories, the roof requires no further attention for many years. A perusal of this little booklet by builders and hardwaremen is recommended.

HARDWAREMAN'S BRAVE BROTHER

Sergt. Harry A. Lee, mentioned in despatches as having been brought to the notice of the General Commanding-in-Chief for gallantry and good service in action, is a brother of Thos. B. Lee, of Rice Lewis & Son, Limited, Toronto. The Army Order printed at Pretoria says: "In action Lee twice tried to carry despatches through enemy's lines under heavy and close fire, having two horses shot under him."

ASSOCIATIONS TO AMALGAMATE.

The recently organized Toronto Branch of the Ontario Retail Hardware Merchants' Association held a meeting in the rooms of the Toronto Branch of the Retail Merchants' Association of Canada on Thursday evening, June 19, and decided to amalgamate with the Retail Merchants.

There was a good attendance of members and the meeting was unanimously in favor of amalgamation.

Speeches were made by the president, E. R. Rogers, of the Hardware Merchants' Association, and secretary-treasurer of the Retail Merchants' Association of Canada.

The chief inducements offered were free rooms for meeting in and the services of a salaried and permanent secretary.

A meeting to perfect the amalgamation will be held on July 17, when delegates will be appointed to the coming Retail Merchants' Convention in Toronto on September 9 and 10.

HARVESTER COMPANY AT HAMILTON.

The ratepayers of Hamilton, Ont., voted down a by-law to grant a bonus of $50,000 to The Deering Harvester Co. The company, however, proposes to build in Barton township, just east of the city limits. The council will then apply to Legislature to have that portion of the township annexed to the city; also that the company be exempt from taxation on plant and machinery for 20 years, the land to be taxed at its present value.

WIRE NAILS
TACKS
WIRE

Prompt Shipment.

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

A BAILIFF is in possession of the premises of A. E. Bergoine, dealer in bicycle supplies, Toronto, and his stock has been sold.

The creditors of Joseph Bourque, general merchant, St. Gertrude, Que., have held a meeting.

P. Boucher, general merchant, St. Damase, Que., is offering to compromise at 55c. on the dollar.

J. W. Smith, jr., brickmaker, Montreal, has assigned, and a meeting of creditors has been held.

H. Fairfield & Co., commission and manufacturers' agents, St. Johns, Que., have dissolved.

Chauvin & Rondat, general merchants, Comber, Ont., have dissolved; D. L. Chauvin continues.

D. N. Kenzie, general merchant, Dutton, Ont., has assigned to James Pool, and his creditors meet June 21.

SALES MADE AND PENDING.

The assets of C. L. Ramsdill, general store, North Hatley, Que., have been sold.

G. M. Yeomans, lumber merchant, Dryden, Ont., is advertising his business for sale.

PARTNERSHIPS FORMED AND DISSOLVED.

Charpentier & Chagnon, contractors, Montreal, have dissolved.

G. M. Webster & Co., coal merchants, Quebec, have registered a dissolution of partnership.

Matthews & Villeneuve, painters, Montreal, have dissolved, and Samuel R. Villeneuve continues.

CHANGES.

R. Beaudon & Co., masons, Montreal, have registered.

Verret & Cie, carriagemakers, Quebec, have registered.

Rochon & Bosquet, contractors, Montreal, have registered.

F. C. Hirsch & Co., hardware merchants, Montreal, have registered.

Albert Dawson, blacksmith, Port Lambton, Ont., has sold out to M. Stubs.

Mr. Stonichson, blacksmith, Victoria, B.C., has sold out to John McSweeny.

Wm. Spears, general merchant, Listowel, Ont., has sold out to Gray, Birnie & Co.

W. H. Drake, general merchant, Mount Pleasant, N.B., is succeeded by S. W. Smith.

James Park, general merchant, Lucan, Ont., is advertising that he is closing out his business.

Mrs. Ernst Mireau has registered for The Dominion Window Bolt and Latch Works, Montreal.

What's in a Name?

It all depends on the man or the concern back of it. A good name is worth much in business. It's one of the most valuable assets a business man can have. It's an asset that can't be measured by money value.

The Sherwin-Williams Agency

brings with it a paint with a name known everywhere for all that is good and true in paint. It brings with it a reputation for straightforward business methods—a reputation that has been gained by over 30 years of business life.

We are looking for wide-awake dealers everywhere whose good name we can help promote, whose business we can help increase.

We are particularly interested in establishing a Sherwin-Williams Agency in your town if we are not represented there now. We would like to show you what we can do to help you make good money out of the paint business, and if you will write asking for the "B-13" booklet we shall explain our plan in detail.



THE SHERWIN-WILLIAMS CO.

PAINT AND VARNISH MAKERS.

CHICAGO, NEW YORK, CLEVELAND, NEWARK, MONTREAL, BOSTON, TORONTO, SAN FRANCISCO, KANSAS CITY



Peterson & Co., general merchants, Skagway, B.C., are moving to New Whatcom.

Hugh McDougall, lumber merchant, Moose Jaw, N.W.T., is succeeded by Woodley & Sharpe.

Mrs. Pallascio has ceased trading under the style of The Dominion Window Bolt and Latch Works, Montreal.

FIRES.

W. S. Greenshields, manufacturer of hoops, Paisley, Ont., was burned out.

The mill of James McNair, general and lumber merchant, Plaster Rock, N.B., was burned.

The sawmill of J. Fenderson & Co., lumber merchants, Sayabec, Que., was burned; insured.

George White & Sons Co., Limited, manufacturers of engines, etc., London, Ont., have sustained loss by fire.

The premises, etc., of The Amherst Foundry and Heating Co., Amherst, N.S., sustained loss by fire to the amount of $500; insured.

DEATHS.

John Baird, banker, Lynden, Ont., is dead.

Elias Woodworth, general merchant, Port George, N.S., is dead; Mary L. Woodworth continues.

A NEW STREET SPRINKLER.

The most up-to-date thing in the way of street sprinklers is in use on the streets of Colorado Springs, Col. Here there is a necessity for sprinkling the streets all the year round, and as the avenues are all unusually wide the proposition has always been a difficult one and a matter of serious expense. An electrical sprinkler has been recently put to work and its performances seem marvelous as compared with the machines which are more or less familiar to all. The use of the arm on one side of the machine is dispensed with entirely and the water is thrown from both sides at one time, and by the use of an electrical sprayer it is not only broken up into very fine particles but is thrown a great distance. The tank capacity is 2,600 gallons, and the vehicle is propelled by two 60 horse-power motors. The sprinkling heads are in the centre of the car on each side, and the water is forced from these by two individual force pumps operated by a 30 horse-power motor and a street 120 feet wide can be watered from curb to curb. The amount of water thrown and the distance is under complete control at all times.

Alex. Wilson, general merchant, Oil Springs, Ont., has sold out to A. D. Armstrong.

LARGER NORTHWEST WHEAT CROP.

From reports gathered from reliable sources throughout Manitoba and Assiniboia there is not a doubt but the wheat crop there is making excellent progress. At Winnipeg a few weeks ago a sample of wheat in the stalk was exhibited measuring 18 inches. This sample was hardy, and was taken from the Cartwright District, where one farmer is stated to have said he had 100 acres of crop all 18 inches long. With fair weather from now till the middle of August it seems an assured fact that Manitoba and the Northwest will harvest this year even a greater crop than the record-breaking one of last year.

Mr. F. W. Thompson, vice-president and general-manager of The Ogilvie Flour Mills Co. has received the following Manitoba crop bulletin from Hon. Robt. Rodgers, Minister of Public Works, dated Winnipeg :

	Acres.
Wheat	2,039,940
Oats	725,060
Barley	329,790
Flax	41,200
Increase in all grain crops	223,149

DEPRESSION IN BARBADOS.

It appears too true that severe depression exists in Barbados, the oldest British colony, although Newfoundland puts forward an arguable claim to that distinction. One of the pleasantest features about Barbados is the affection which the old families, which have been connected with it for centuries, it may be said, still have for it. The representatives of these old families are proud of it still, and think there is no place like it. The Earls of Harewood, under their family name of Lascelles, have long been engaged in commerce and production there. Mr. Forster Alleyne, too, owns a name that was prominent in the early days of the colony. For many years he lived in England and practised at the Bar. He has now made his permanent home in the island, and it is gratifying to observe that he has been called upon to take part in public affairs as a Legislative Councillor, a position for which his experience and his considerable stake in the colony eminently qualify him.—Home and Colonial Mail.

COMMERCIAL-TRAVELER TAX IN JAMAICA.

United States Commercial Agent R. N. Snyder, of Port Antonio, under date of May 27, 1902, reports that an Act abolishing the tax of £22 10s. ($109.49) on commercial travellers dealing in spirits and of £12 10s. ($60.90) on those not dealing in spirits was passed at the last session of the Legislative Council, and received the assent of the Governor. During the existence of this law, adds Mr. Snyder, many salesmen arrived in the Island intending to transact business, but, owing to what they considered an excessive tax for a stay of a week or fortnight, they left without selling any of their wares.

SPECIAL

IVER JOHNSON'S ARMS AND CYCLE WORKS. HONEST CYCLES AT HONEST PRICES FITCHBURG, MASS.

SPECIAL

IVER JOHNSON A Special Model at a Special Price

Standard and Reliable

The best bicycle value ever offered. Never in our history have we made so good a bicycle for so little money.

REMEMBER This Model 74 S is straight, standard goods, and not the product of a now dismantled factory, or the last of a soon-to-be-forgotten name plate.

Write for particulars and prices.

IVER JOHNSON'S ARMS & CYCLE WORKS,

New York Salesroom : 99 Chambers St. FITCHBURG, MASS.

YORK METAL POLISH

An improvement on the best. It eclipses all others.

Dealers everywhere should not fail to have it in stock.

It cleans and polishes Gold, Silver, Nickel, Brass, Copper, Bronze, Tin, Steel and Plated Ware, etc.

Rust and dirt disappear, leaving a new lustre. Articles operated upon do not turn a greeny hue after being polished with YORK METAL POLISH.

Contains no acids or grit. Therefore will not injure the article or the skin.

Saves time, saves money, saves trouble, saves metal, saves your temper. Ahead of all other polishes. Buy it, try it, and get satisfaction. Put up in attractive tins.

Manufactured by

DOMINION BUTCHERS' SUPPLY CO.

143 KING STREET EAST, - - - - - - - TORONTO.

Samples and wholesale prices on application.

TRADE NOBLES & HOARE NH LONDON MARK

Nobles & Hoare,

CORNWALL ROAD STAMFORD STREET.

LONDON, ENG.

Manufacturers of

HIGH-CLASS VARNISHES ONLY

Which can be obtained direct from the works or from the principal Color Dealers in Canada.

THE BELLEVILLE BUSINESS COLLEGE, LIMITED

BELLEVILLE, ONTARIO.

Send for handsome Catalogue fully describing all Courses taught.

J. Frith Jeffers, M.A., Principal.

H. S. HOWLAND, SONS & CO.

WHOLESALE ONLY

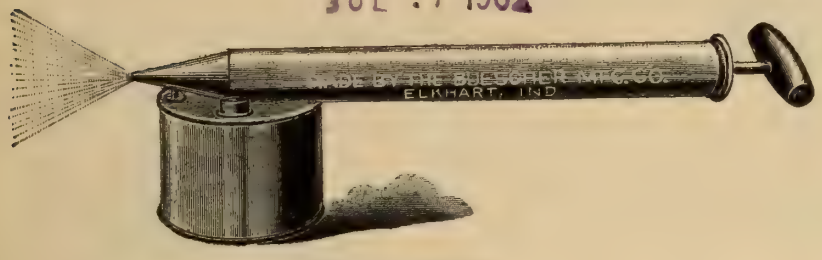
37-39 Front Street West, **Toronto.**

ONLY WHOLESALE

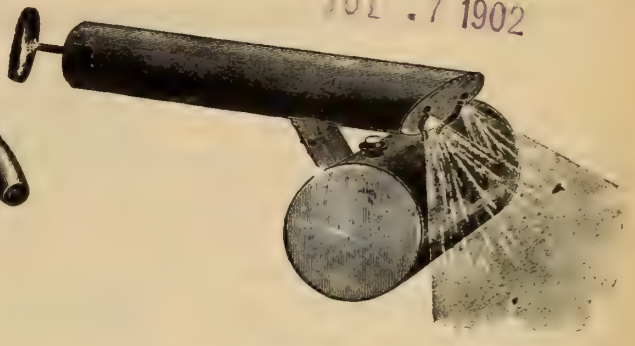
JUL .7 1902

Insect Exterminators.

JUL .7 1902

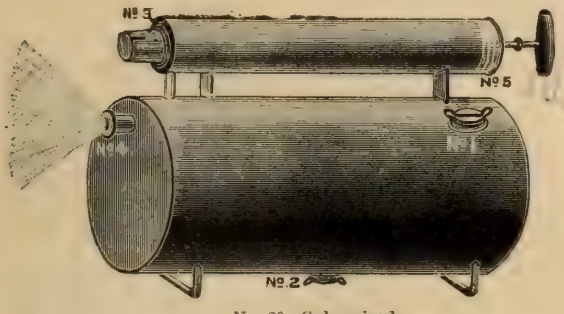


"Cataract," Tin Lacquered
" All Brass, cannot rust.

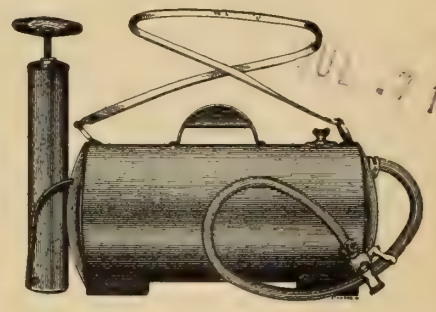


No. 3—"Lightning," Tin Pump and Tank.
No. 13—Copper Plated Pump and Tank.

Compressed Air Sprayers.



No. 30—Galvanized.
The simplest, strongest and best.

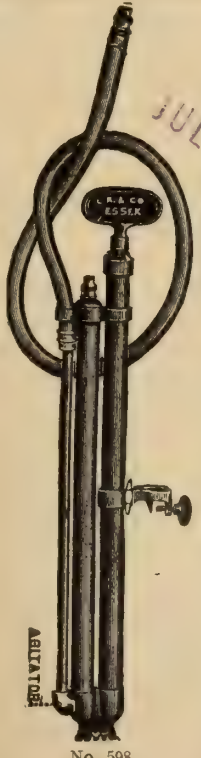


No. 3—Galvanized, Tin Tank Holding 3 gallons.
No. 3X—Copper, Tank Holding 3 gallons.

Improved Brass Spray Pumps.



No. 50.



No. 598.



No. 325.

H. S. HOWLAND, SONS & CO., Toronto.

OUR PRICES ARE RIGHT

Graham Nails are the Best.

WE SHIP PROMPTLY

Factory: Dufferin Street, Toronto.

MACHINERY AND ELECTRICAL SUPPLY DEPARTMENT

ELECTRICAL ENERGY FROM NIAGARA.

A MEETING of manufacturers from Galt, Guelph, and a number of the surrounding towns, was held in Berlin on June 9, to consider how power could be best secured from Niagara Falls.

One suggestion considered was that the factory owners should themselves organize a joint stock company and thus obtain the power desired.

Ald. Spence, of Toronto, who was present by invitation at the meeting, suggested that the municipalities should ask for the appointment of a Government commission, which would have the power to arrange for the transmission of electricity to the various municipalities desiring it. This commission would issue its own bonds in payment for the transmission lines, these bonds to be covered by the bonds of the various municipalities interested, the latter to be deposited with the commission. The Government, through a commission, would undertake the transmission of electrical energy from Niagara Falls to the municipality desiring it. The municipalities would guarantee by their bonds the cost, and sell in turn to all manufacturers at an even rate, preventing in this way the power from falling into the hands of any monopoly and securing the industries of the Province the advantage of cheap electrical energy.

Mr. Mitchell, consulting engineer of The Ontario Power Co., stated that after October of next year power could be delivered in the manufacturing towns of mid-west Ontario at $17 per year per horse-power and that for the 24 hours of the day. Mr. Mitchell pointed out as an argument for immediate action, that the price of copper had gone down 2c. per lb. to 13c.

A committee was appointed to draft a practicable scheme.

MACHINERY AND ELECTRICAL NOTES.

The Jones & Moore Electric Co. have recently installed one of their new 25 K. W. multipolar type dynamos and wiring complete for The Robert Watson Co., of Toronto.

The Jones & Moore Electric Co. have completed the installation of a 30 K. W. dynamo of their new M. P. type, 30 incandescent arc lamps, a large marble switchboard, on which are mounted their latest tube spring switches, etc., for The John Inglis Engine Co., of Toronto.

Milne & Grant are just completing their buildings and installing their plant for foundry purposes, and have purchased a 25 horse-power motor from the Jones & Moore Electric Co.

The Benjamin Manufacturing Co., of Yarker, Ont., have purchased from the Jones & Moore Electric Co. one of their new type multipolar generators of 25 K. W. capacity, which they will use for supplying both light and power.

The Sun Portland Cement Co., of Owen Sound, have decided to light their several buildings with incandescent arc lamps, and have placed their order with The Jones & Moore Electric Co. for the arc lamps; also for one of their 30 K. W. multipolar motors.

The Owen Sound Park and Summer Resort Co. are installing an electric plant with a capacity of 1,000 lights, located in their new hotel and grounds, and have placed their order with The Jones & Moore Electric Co., of Toronto, for one of their new type multipolar dynamos; also wiring complete and switchboards mounted with switches and meters.

SECOND-HAND MACHINERY FOR SALE.

In another column of this issue will be found a list of second-hand engines for sale by H. W. Petrie, 145 Front street west, Toronto. Parties wishing new or second-hand machinery or tools will do well to write for his monthly stock list which contains a corrected list of all stock of machinery, boilers, etc., on hand.

PROPOSED ELECTRIC ROAD.

Arrangements are being made for an electric railway between Brantford and Paris, by The Von Echa Street Railway Co., of which H. Ickes is president. This company has acquired the Brantford street railway and will run both roads. The transfer awaits only the sanction of the city council.

STRIKE OF ELECTRIC LIGHT MEN.

THE electrical workers in the employ of The Hamilton Electric Light and Cataract Power Co. went out on strike at 9 o'clock on June 17. The company had been given 24 hours to arbitrate, and, on their failure to do so, 40 men, including linemen, inside men, motor and meter men, trimmers, patrol men and station operators, went out.

There was a feeling among the men that Mr. Hawkins, the general-manager, in his proposition of June 16 was dodging the real issue.

Owing to the possibility of danger through the machines being left unattended, a number of the men stuck to them till 9 45, then they pulled switches, whereupon General-Manager Hawkins himself assumed charge. The strikers also take credit for not striking on Saturday, when they claim they would have been justified in doing so.

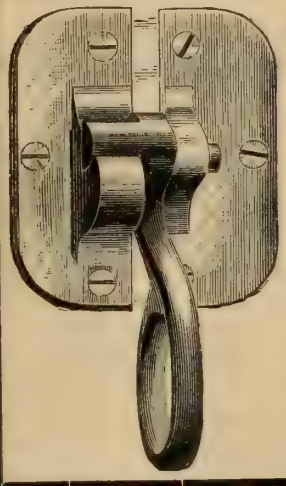
General-Manager Hawkins said the company was not worrying about the strike, nor was it endeavoring to take on new men, for they were not needed. He was also quite certain that the steam engineers would not go out. The company, he said, was ready to submit to arbitration the question of whether the men were receiving the current wages or not, but it was not prepared to arbitrate on the matters proposed by the men some time since.

The men's side of the question is explained in the following statement which they issued:

"In the local papers last night we notice that Manager Hawkins' letter would infer that the arbitration proposal was made by the employes, which is very wrong. That proposal was made by Manager Hawkins himself to the committee representing the employes. After the proposal was accepted by the committee, Father Whitcombe was appointed as the employes' arbitrator, and the time fixed as ten days to settle the arbitration, which time was up on Friday last; but one or two days previous to that time Manager Hawkins asked the majority of the employes to sign a letter to the effect that the arbitration is not to settle the scale of wages as requested by the employes, but to decide whether we are getting paid as well as our neighbors, whose local conditions are the same as ours, which, to say the least, is an impossibility."

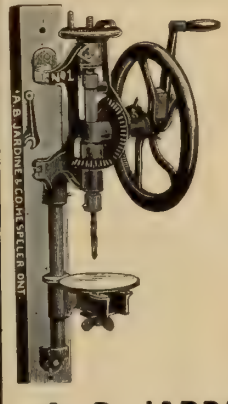
JONAS & COLVER CO.
Limited
Sheffield, England
STEEL WIRE DRILL RODS,
PIANO WIRE, ETC.
WILLIAM ABBOTT, Agent.
13 St. John Street, MONTREAL.

P. J. CONROY, Manufacturer of
REFRIGERATOR HARDWARE



Paschall Station, Phila., Pa.

The "Conroy" Refrigerator Door Fastener.



TRADE MARK J REGISTERED

Blacksmiths' Hand Drills.

The very best.

A. B. JARDINE & CO.
HESPELER, ONT.

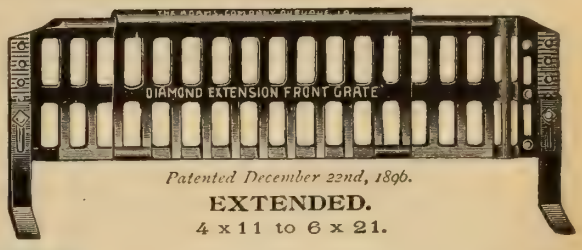
DIAMOND EXTENSION FRONT GRATE.

Ends Slide in Dovetails similar to Diamond Stove Back.

Diamond Adjustable Cook Stove Damper

Patented March 14th, 1893.





Patented December 22nd, 1896.
EXTENDED.
4 x 11 to 6 x 21.

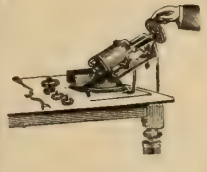
For Sale by Jobbers of Hardware.

Manufactured by THE ADAMS COMPANY, Dubuque, Iowa, U.S.A.
" " A. R. WOODYATT & CO., Guelph, Ontario.

"The Peerless" is the best Bolster Spring ever produced. A fine line for the hardware trade. Write Us For Prices.



James Warnock & Co. = Galt, Ont.



G. A. Crosby & Co. of Ontario,
SARNIA, ONT.
LIMITED

Manufacturers of
Patent Automatic Can Making Machinery, Presses, Dies and Special Machinery for Working Sheet Metal.

STANYON ENGINEERING CO.
402 McKINNON BUILDING,
Phone Main 2177. TORONTO
CONTRACTING AND CONSULTING ENGINEERS.
Steel Works, all kinds of Rolling Mills, Wire Mills, etc., all built complete. Machinery designed for any purpose
GENERAL OFFICES, - PITTSBURG, Pa.

American Steel & Wire Co.

New York: Empire Building.
Montreal: New York Life Building.
Chicago: The Rookery.

BARB WIRE. GALVANIZED PLAIN WIRE.
PLAIN TWIST CABLE FENCING.

Telegraph and Telephone Wire, Mattress, Broom, Weaving Wires of every description, Rail Bonds, Bale Ties, Special Wires for all purposes. Springs, Horse Shoes, Wire Rope, Cold Drawn Steel Shafting.

THE ENGINEER AND HIS WORK.

BY VICTOR C. ALDERSON.

THE relation between the engineer and the laws of nature is unique, and differs from the relation that exists between any other professional man and nature. Unlike the geologist, who is limited in his observations to those favorable localities which nature has been kind enough to unfold for his inspection, or the biologist, who must wait for nature to act and then stand as an observer, the engineer pins nature down and forces her to answer his question. It may be only a yes or no, but it is an answer, and since he can vary his questions—that is, the conditions of his experiment, he can ultimately get the information he desires. He deals with the immutable, the unchanging laws of inorganic nature. He alone of all professional men has an unvarying criterion by which he may decide the right and the wrong, the correct and the false. He gets accurate data by which he may build his bridge, construct his dynamo, or lay out his railroad. Departure from these data means failure. Other professional men are subject only to varying human laws and human notions and so get along without ever having before them an absolute standard, but the engineer is forced to be in harmony with natural laws ; his work must be absolutely truthful ; his logic must be without flaw. Sophistry and ignorance are not for him. He must know, and know accurately ; he must reason, and reason logically. If he does not know the stresses in his bridge, the endurance of his material, or the details of his dynamo, he cannot rank as an engineer. Nature, calmly and dispassionately, is always on guard over him. No other man in the world, I believe, unless it is the chemist or the physicist, is subject to such rigid and unceasing discipline ; no man's errors are so glaringly brought to light as his. The lawyer can fall back on the plea that the judge was biased, or the jury packed ; the doctor may, perchance, bury his mistakes ; but the mistakes of the engineer bury him. We accept his success as natural, because it is in harmony with nature's laws ; his errors are glaring because they are out of harmony with nature. All the world sees his failures. A mere tyro can recognize a poor roadbed, defective machinery, or a dangerous bridge. The engineer, has, then, for his ethics the most dignified and exalted standard ; he has an absolute and unvarying criterion for truth and error ; he has over him a judge who will decide with unerring swiftness that his work is a failure if he violates the law.

Every field of activity in the whole realm of nature may yield something of value to the engineer. His interests are world-wide. As man has climbed slowly up the rugged pathway we call civilization, he has needed more and more the service of the engineer. What was yesterday a theory, becomes a demonstration to-day, and to-morrow we expect the engineer to apply it for our comfort or convenience. As agencies for civilization, engineering works have been given far too little prominence. True it is that Greece has left us a priceless heritage of art and Rome a code of laws, but in the wake of the Roman armies went the engineer, building bridges, roads and aqueducts, making intercommunication the easier and civilization more advanced. To-day, thanks to our railway experts, the world is smaller than ever before—and is steadily growing smaller; for distance is no longer computed in miles, but in length of time of transit. Once New York and Liverpool were three months apart, now less than a week. With the aid of bridges like the St. Louis, the Brooklyn and the Forth ; tunnels like the Mersey, the Sarnia, the St. Gothard ; canals like the Manchester and the Suez ; trains like the limited and the Empire State Express, the engineer has done noble work for advancing civilization by making intercommunication easier and removing that ever-recurring obstacle—ignorance of other people. The influx of people to the large centres of population has brought forward new problems, not only of travel but of pure water supply, disposal of drainage, public health, all of which the engineer is called upon to solve. Industrial history may be dry reading, because it does not fire the ardor with thrilling deeds on the field of battle. Some enthusiasm may be kindled over the success of Robert Fulton with his steam engine and Edison with his phonograph, but little or none over the success of John A. Roebling in building the Brooklyn Bridge, or the struggle of our civil engineers to make our present railway travel fast and safe. But to the engineering profession as a whole we must grant the credit for being the greatest practical civilizing agent we have.—Railroad Digest.

GERMAN TRADE IN TOOL MACHINERY.

According to the United States Consul at Solingen, Germany imported only 1,872 tons of tool machinery in 1901, against 7,072 tons in 1900, The first three months of 1902 show a further decrease, there being imported only 251 tons, while in 1901 it was 615 tons, and in 1900 2,235 tons.

The export also declined in 1901, but not to such an extent, the figures being 10,194 tons in 1900 and 9,115 in 1901. During the first quarter of 1902, however, it has increased, amounting to 2,649 tons, against 2,300 tons for the same period in 1901.

Germany imports tool machinery chiefly from the United States, but these imports have greatly declined. In 1900, they amounted to 5,233 tons and in 1901 they were only 1,282 tons. It would appear that there is a development in the manufacture of tool machinery in Germany, in spite of the general business depression, and that the manufacturers are not only controlling the home market, but increasing their exports.

MEETING OF ELECTRICAL ASSOCIATION.

THE members of the Canadian Electrical Association met in convention last week in the Assembly Hall, Chateau Frontenac, Que., with President Gosseler as chairman. Short business-like meetings were crammed with bright and instructive papers and discussions. Some of the reports of committees called forth good discussion. The report of the committee appointed to consider the action of the fire underwriters showed plainly the great need of a proper bureau of inspection in connection with the progress of electrical power to remove the present responsibility for fire and accident to life. This complaint lay principally in the city of Montreal, where the insurance companies hold the electrical companies liable for their losses.

Among the instructive addresses and papers were :

"The Electrical Equipment of Our Ordinary Street Car," by A. B. Lamb, of Toronto ; Development of Arc Lighting Apparatus from 1810 to 1902, with Special Reference to Modern Arc Light Engineering," by W. D. A. Ryan, of Lynn, Mass.; "Lighting," by Mr. Spaulding, of the National Electric Improvement Co. ; "Arc Lighting," by C. M. Greene, of Lynn, Mass.; "The Use of Storage Batteries in Electric Distribution Systems," by A. A. Dion, of the Ottawa Electrical Co.; "Electric Suburban Railways," by Ed. A. Evans, of the Quebec Railway, Light and Power Co.

The members in attendance at the convention were hospitably entertained by Mr. Frederic Nicholls, general manager of the Canadian Electric Company, Limited, of Toronto ; also by the Bullock Electrical Manufacturing Company and others.

The election of officers for the ensuing year resulted as follows :

President—B. F. Reesor, manager of the Light, Heat and Power Co., of Lindsay, Ont.

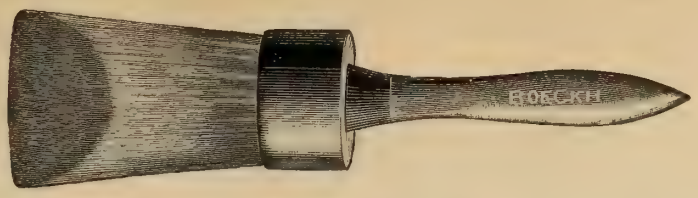
First Vice-President — E. W. Slade, general manager of the Jacques Cartier Electric Company.

Second Vice-President—R. B. Thornton, of the Montreal Light, Heat and Power Co

Secretary-Treasurer—C. H. Mortimer, of The Toronto Electrical News.

Executive Committee—Re-elected, A. A. Dion, J. J. Wright, G. Yule, O. Higman, A. Sangster; newly elected, P. G. Gosseler, E. A. Evans, A. B. Smith, A. A. Wright and H. Henderson.

A vote of thanks was tendered Mr. Gosseller, the retiring president. The next annual meeting will be held in Toronto.



THE OBJECT OF EVERY UP-TO-DATE DEALER

is to keep an eye upon the future. He is aware that every transaction must please the purchaser to make him a permanent customer. Goods that must attain the eminence of excellence are :

FLAT AND OVAL PAINT BRUSHES
FLAT VARNISH, CHISELLED VARNISH
KALSOMINE BRUSHES

Alert buyers make no mistake in placing orders with us. Our large purchases of bristles and other raw materials, together with our greatly increased factory facilities, have enabled us to improve qualities with our corresponding increase in cost, thus leaving a wider margin of profit than before to the dealer.

If our representative does not visit your town, write us, and we will, if possible, arrange for him to call upon you, or we will send you quotations and full particulars of these goods by mail.

UNITED FACTORIES, LIMITED

OPERATING :
Boeckh's Toronto Factories,
Bryan's London Factories,
Cane's Newmarket Factories.

We have opened a new London Warehouse so that we can ship all goods for Western Ontario direct from that Branch.
65 Dundas St., LONDON.

Head Office, TORONTO.

It Pays the Dealer



Will freeze cream in 4 minutes.

TO HANDLE THE

White Mountain Freezer

BECAUSE

It is the best acting, best looking, strongest, most durable and best selling freezer manufactured.

There is not a weak point about it or a waste part to it.

It embraces all the good features to be found in all other freezers, and many more besides that are peculiar to itself.

SOLE AGENTS FOR CANADA :

THE McCLARY MANUFACTURING CO.,

London, Toronto, Montreal, Winnipeg, Vancouver, St. John, N.B.

CORDAGE

ALL KINDS AND FOR ALL PURPOSES.

Manila Rope	Lathyarn
Sisal Rope	Shingleyarn
Jute Rope	Bale Rope
Russian Rope	Lariat Rope
Marline	Hemp Packing
Houseline	Italian Packing
Hambroline	Jute Packing
Clotheslines	Drilling Cables
Tarred Hemp Rope	Spunyarn
White Hemp Rope	Pulp Cord
Bolt Rope	Lobster Marlin
Hide Rope	Paper Cord
Halyards	Cheese Cord
Deep Sealine	Hay Rope
Ratline	Fish Cord
Plow Lines	Sand Lines

"RED THREAD" Transmission Rope from the finest quality Manila hemp obtainable, laid in tallow.

CONSUMERS CORDAGE COMPANY, Limited

Western Ontario Representative—
WM. B. STEWART,
Tel 94. 27 Front St. West, TORONTO.

MONTREAL, QUE.

WHERE METALLIC ROOFING IS MADE.

BUSINESS is reported good by The Metallic Roofing Company, of Canada, Limited. They are taxed to their utmost capacity with a night and day force, working 20 hours per day.

At present they are making a large addition to their factory, corner of King and Dufferin streets, Toronto. It is a substantial building, with walls 18 in. thick, and will cost about $6,000. Their showroom, an admirable specimen of architectural skill, is also nearing completion.

They have at present on hand a large contract for The Canadian Northern elevator at Port Arthur; also large shipments of goods for elevators in Manitoba.

The manager conducted the representative of "Hardware and Metal" through the factory. The precision of workmanship displayed, the skill in design, the down-to-date methods of labor, the intricacy and delicacy of the output of heavy machinery easily explain how this firm has succeeded in creating a demand for its finished product.

The offices and draughting-room are finished with embossed metal work of annealed steelplate, and are very beautiful in design.

The factory, cleanly and whitewashed, has two floors. The lower floor is principally taken up with the stamping, corrugating and shipping departments. Large cranes, poised so that the slight pressure of the foot can adjust them, work the stampers. The clipping and corrugating combine to render a uniform article. Shears, 10 feet long, are used; and but one corrugation being made at a time an accurate fit is insured.

A large patented machine for automatic rivetting is a valuable accession to the equipment of the factory. This was the invention of the firm. Some of the machines to secure solidity necessary for accuracy of design have a foundation 10 feet deep. Rolls are used for the curved output.

The raw material comes to the firm from Great Britain in bundles and boxes, iron bound. The sheets range in size from 11 in. x 11-in. to 10 ft. x 3 ft.

The firm possesses excellent facilities for the manufacture of the "Hayes" patent metallic lathing, of their "Eureka" tiles, also of fireproof windows, etc.

By means of their automatic closing and locking device, when so desired for ventilation, the sashes are held open by a chain in which is a soft fusible link which readily melts when subjected to the slightest heat. The moment this fusible link melts (which is only at 150 deg.), the sash is instantly released and automatically closes and locks itself.

Large vats containing paint are used to dip the metals in. For exterior work, the metals are finished, but those for interior receive a primary coat on both sides of pure white zinc paint mixed with pure linseed oil and turpentine, which protects the metal; after they are up in position they may be decorated in any manner to suit the taste.

This firm, after a successful career of 17 years, during which new designs have constantly been added to their stock, possess a feature which it would be well for more Canadian manufacturers to imitate. The brand "Made in Canada," invariably stamps their shipping boxes.

HE FOUND THE GOODS.

Long experience in the adjustment of claims has convinced us, writes a well-known hardware firm, that no matter how positive a man may be he is apt to be mistaken and should not be offended by a courteous request to make another search when a shortage is reported. We print a letter recently received which is but a sample of many which are received every year:

"Here is one more to add to your list. On receipt of your letter the writer himself went and reopened the boxes and found the toilet set in a box which had contained lantern globes. The shipment of goods came in and was opened one day before invoice reached us. When the invoice came and we checked over and found the apparent shortage, we inquired of our young man who unpacked the shipment if he was certain he got everything out that was in the boxes. Of course he was positively certain that nothing was left in the boxes. We have long since found out that there is nothing so certain but that it will bear investigating."

WHERE THE GLUEPOT CAME IN.

There was the usual collection of commercial travellers in the smoking-room of the hotel, and the inevitable quiet man was one of them. They had been asking conundrums, many of which had been received with roars of laughter, as being particularly clever. Then the quiet man lit a fresh cigar, and spoke.

"It is easy," he said, "to think of such riddles as 'Why is your hat like a baby?' which contain one smile, but those with two are far more difficult. For instance:

"What are the differences between the son of a millionaire, an organ, and a gluepot?"

"I give it up," said the mustard traveller presently.

"The son of a millionaire is an heir to millions while an organ has a million airs! D'ye see?"

"But what about the gluepot?" inquired the hosiery representative.

"Oh, that's where you stick!" returned the quiet man. And the waiter smothered a guffaw behind a tray he was dusting, while the hosiery representative howled for soda water.

DEATH OF OLD FOUNDRYMAN.

Robert Carrol, sr., is dead at his residence, Barrie street, Kingston. The deceased was widely known through his connection with The Kingston Foundry. He was first taken into partnership by the firm of Davidson, Doran & Co. Kingston loses in him a highly respected citizen.

A NEW AGENCY.

F. C. Hirsch & Co., representing several hardware and file firms of England, have leased for five years premises at No. 228 St. James street, Montreal. This is the first firm to open agencies in Canada for the following firms: Thos. Perry & Sons, Limited, Bilston; Hartley & Synden, Limited, Halifax; Edward Johns & Co., Staffordshire; The Sanitary Lead Lining and Pipe Binding Co., London.

THE AGREEMENT RATIFIED.

AFTER some negotiation the agreement by which The Dominion Iron and Steel Company leases the property of The Dominion Coal Company has been ratified by the shareholders of the two concerns. This agreement, in short, is to the effect that $1,600,000 shall be paid each year to The Dominion Coal Company as well as a royalty of 7½c. per gross ton of coal in excess of 3,500,000 tons taken out of the mines in any calendar year.

The reports of the directors of each company were read, that of The Iron and Steel Company stating that the entire plant was almost completed, and the plant for washing coal enlarged. "When the company was first organized," continues the report, "it was intended to produce nothing but blooms and billets, but the directors subsequently decided that it would be an advantage to get more capital and provide a modern plant, capable, if necessary, of rolling all the product of the open hearth into finished rail sections. The steel framework for the rail mill, hotbed building and finishing mill building is now all erected, and some of the foundations for the machinery in place. The engines are contracted for, to be delivered August 9, and much of the machinery is well under way in the company's own shops. Were it necessary, the rail mill could probably be completed in October or November, but in the present condition of the markets, it is considered advisable to perfect the organization of the other departments before pushing the rail mill to completion." Since April, $3,000,000 has been brought into the treasury in payment of 50,000 shares of common stock at $60 per share, and this sum would be used to reduce the debt and continue the improvements on the property.

In The Coal Company's report it was shown that the output had increased from 884,000 tons in 1895 to 2,651,263 tons in 1902. The net proceeds from the sale of coal, and from steamships, railways, etc., amounted to $1,551,880.99, from which was taken the interest on bonds of $493,967, leaving a surplus net income of $1,057,913. When the sinking fund was deducted the balance to general surplus was $937,681.

The old board of directors were elected for the ensuing year, consisting of Messrs. H. M. Whitney, Boston; Sir W. C. Van Horne, Montreal; Hon. George A. Cox, Toronto; Hon. David McKeen, Halifax; Hon. Robert Mackay, Montreal; H. F. Dimock, New York; Almeric H. Paget, New York; James Ross, Montreal; F. S. Pearson, New York; R. B. Angus, Montreal; J. S. Maclennan, Sydney; Elias Rogers, Toronto; W. B. Ross, Halifax; B. F. Pearson, Halifax; Hon. L. J. Forget, Montreal.

Other interesting points in the agreement are that the Iron and Steel Company shall not sell any coal mining area or lease ships or vessels or any personal property without the consent of the Coal Company. The Steel Company shall use all reasonable means to increase the demand for coal and to increase the output of the mines by developing, expanding, and adding machinery. The price of coal is, of necessity, to be settled by arbitration, but under no circumstances shall it be lower than $1.21 per gross ton.

LUXFER DECORATIVE GLASS



PRICES—Per square foot:

104,	$ .75	123A,	$1.60	171,	$1.50	210,	$ .65	224,	$1.50	247,	$1.10	322,	$3.50
112,	.65	150,	1.60	175,	1.50	218,	1.75	235,	2.75	313,	1.50	323,	3.50
123,	1.50	163,	1.75	206,	1.00	221A,	1.00	238A,	2.00	317,	1.50	324,	1.25

Copper Electroglazed in Bright Antique or Black Finish. Leaded work of all kinds.
Importers of Etruscan, Muffled, Crackled and Cathedral Glass.

WRITE FOR PRICES AND DESIGNS.

LUXFER PRISM CO., Limited, 98-100 King Street West, TORONTO.

NOVA SCOTIA MANUFACTURERS ORGANIZE.

THE organization of the Nova Scotia Branch of the Canadian Manufacturers' Association has been completed. At a meeting of manufacturers at the Board of Trade rooms, Halifax, on June 13, officers were appointed to hold office till the annual meeting of the branch, which will be held two weeks before the yearly meeting of the parent association. The officers till then are the following :

President—Jos. Henderson, Henderson & Potts, Halifax.
Vice-President — Dr. D. H. Muir, Condensed Milk Co., Truro.
Secretary—J. R. Macleod, Halifax.
Executive Committee—John F. Stairs, N.S. Steel Co., Halifax; J. P. Longard, Longard Bros., Halifax; T. M. Cutler, Acadia Sugar Refining Co., Halifax; Wallace Buell, Dominion I. and S. Co., Sydney; James Munro, Munro Wire Works, New Glasgow; A. F. Pelton, Rhodes-Curry, Amherst; W. B. Taylor, Robert Taylor Co., Halifax; D. W. Robb, Robb Eng. Co., Amherst. C. M. Crockett, I. Matheson & Co., New Glasgow; Wm. Lithgow, Port Hood Coal Co., Halifax; T. R. Gue, Acadia Powder Co., Halifax; A. Moir, W. & A. Moir, Halifax; H. H. Hamilton, G. J. Hamilton & Sons, Pictou.

The meeting opened with Jos. Henderson in the chair and J. F. M. Stewart, assistant secretary, of Toronto, as acting secretary.

Mr. Stewart exhibited a folder having on its cover the statement that the annual meeting of the association (which has a membership of 1,000) would be held in Halifax next August. Inside of this folder were stated the aims of the association. These are to endeavor to secure from the Government at Ottawa conditions that will encourage manufacturing industries in Canada and keep our home markets for our own manufacturers. All Provincial and Federal legislation is vigilantly watched to preserve the Canadian manufacturers from encroachments from any quarter. They have made from time to time practical suggestions to the Government regarding legislation, Government returns, etc., which often have been adopted. The encouragement of Canadian export amongst its members is another object of the association, and it has special representatives in Great Britain, Europe, Australia, New Zealand, South Africa and the West Indies. Canadian buyers have, through the association, been placed in touch with foreign buyers, and without increasing responsibilities have in many instances opened up a profitable trade. During the last six months nearly 1,800 inquiries from foreign buyers were forwarded to the members. Financial reports on foreign firms are obtained at a special rate, and a bureau of commercial intelligence is open free to all members.

A deputation was introduced consisting of President Longley and Manager Wood, of the Nova Scotia Provincial Exhibition. Both these gentlemen united in asking the help of the Nova Scotia branch of the association in making the exhibition more like it should be from a manufacturer's standpoint.

This proposition for co-operation was endorsed by the association and the executive will take the matter into consideration.

The statement was made that there are at least 200 business enterprises, representatives of which are eligible for membership in the association. The 55 now enrolled are the following named :

Amherst—
- Amherst Boot and Shoe Mfg. Co.
- Amherst Foundry and Heating Co.
- Christie Bros. & Co.
- Dunlap, Cooke & Co.
- Rhodes, Curry & Co.
- Robb Engineering Co
- Starr Manufacturing Co.

Getson's Cove—
- Jos. N. Wolfe.

Halifax—
- Acadia Powder Co.
- Acadia Sugar Refining Co.
- Geo. E. Boak & Co.
- Clayton & Sons.
- Collas, Whitman & Co.
- Consumers Cordage Co.
- G. S. Campbell & Co.
- Dominion Electrical Works.
- Henderson & Potts.
- Imperial Publishing Co.
- A. Keith & Son.
- Longard Bros.
- McAlpine Publishing Co.
- McDonald & Co.
- Moir, Son & Co.
- John P. Mott & Co.
- Nova Scotia Fertilizer Co.
- Jas. Hillis & Sons.
- A. & W. Mackinlay.
- Dartmouth Rolling Mills, Limited.
- Gordon & Keith.
- Bigelow & Hood.
- W. & A. Moir.
- Davis & Fraser.
- Port Hood Coal Co.
- Nova Scotia Furnishing Co.
- H. R. Silver.
- Simson Bros.
- Smith & Proctor.
- N. & M. Smith.
- John Starr, Sons & Co.
- St. Croix Paper Co.
- Robt. Taylor Co.
- Arthur N. Whitman.

New Glasgow—
- Bailey-Underwood Co.
- Fraser Bros.
- I. Matheson & Co.
- Munro Bros. Wire Works.
- Nova Scotia Steel Co.

Oxford—
- Oxford Manufacturing Co.
- Oxford Foundry and Machine Co.

Pictou—
- G. J. Hamilton & Sons.
- A. McKenna, sr.

Sydney—
- Dominion Iron and Steel Co.

Truro—
- Truro Condensed Milk Co.

Antigonish—
- Canada Milk Condensing Co.

Lunenburg—
- Lunenburg Foundry Co., Limited.

IRON WORKS TO LOCATE IN LONDON.

The Guelph Iron and Steel Co., of Guelph, will locate in London. The council will exempt the company, as the law may permit, from taxation upon the assessed value of their property over and above its present assessed value, and provide for the closing of Trafalgar street for the purposes of the company. The company proposes to run a double shift—night and day—also to pay $80,000 a year in wages. Forty or fifty carloads of machinery will be taken from Guelph, $20,000 to 25,000 will be expended in buildings, and from $25,000 to $30,000 in new plant. In addition to the present plant the value is $50,000. Of the hands employed from 60 to 70 per cent. will be skilled labor. The employes are mostly high-priced men, working under the International Iron Worker's Union schedule. It was decided to fix the assessment of the new foundry at $5,000.

OUR FOREIGN TRADE GROWING.

THE foreign trade of Canada is growing fast. On the basis of imports for consumption and exports on domestic merchandise only, for the 11 months of the present fiscal year, the foreign trade of Canada shows an increase of $35,000,000. The imports and exports of the former period were $348,705,085, and of the latter period $313,863 314. With corn, bullion and exports of foreign merchandise included, the increase in the total trade is a little less than $35,500,000, the total amount being $366,942,595 for the past 11 months. For the 11 months of 1901 the total was $333,472,908.

The imports for the month of May show a gain of $359,129, and for the 11 months a gain of $18,561,298. The exports for the month exceeded those of May last year by $4,079,060. For the 11 months the betterment was $17,462,516.

The exports of agricultural and dairy products and cattle for the month make a splendid showing, the chief items being : Peas, $104,118, increase $37,637 ; wheat, $2,858,505, increase $2,503,815 ; flour, $312,548, increase $92,105 ; hay, $360,248, increase $166,956 ; potatoes, $122,505, increase $95,046 ; cattle, over one year, $1,169,955, increase $659,316; butter, $126,416, increase $87,234 ; cheese, $542,041, increase 3145,655 ; bacon, $1,181,083, increase $96,489.

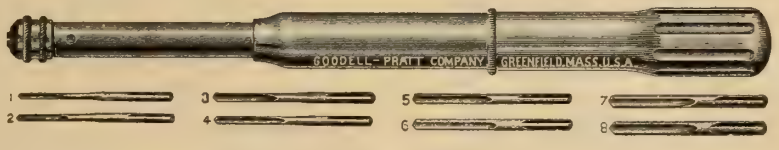
NEW PRESIDENT ELECTED.

The directors of The American Screw Co. have elected Mr. Samuel M. Nicholson as the executive head of their company. Mr. Nicholson is president and general-manager of The Nicholson File Co., the largest file and rasp concern in the world, which controls six large plants, with head offices at Providence, R.I. The Canadian factory of the company is at Port Hope, Ont.

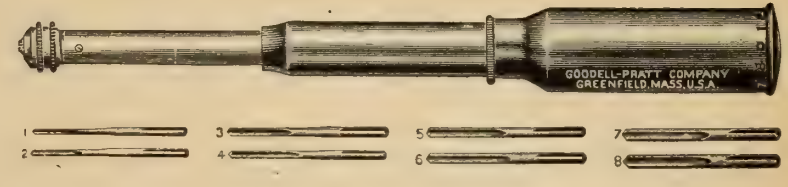
GOODELL Automatic DRILLS.

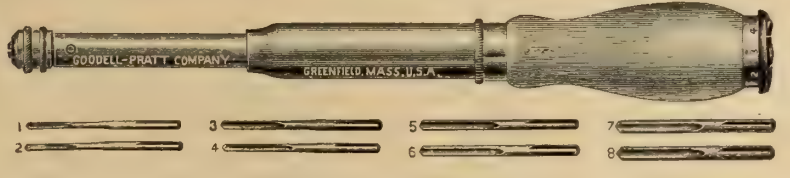
Work
Easiest.

Save
Labor.



Wear
Longest.





Save
Time.



Sell
Best.

Save
Money.

MADE ONLY BY

Goodell-Pratt Company,

GREENFIELD, MASS., U.S.A.

DECATUR, BULL & CO., Resident Agents, MONTREAL.

MANITOBA MARKETS.

Winnipeg, June 16, 1902.

TRADE in all lines of hardware is good, but more particularly building hardware, as many of the buildings have now reached a point where these things are needed. There is a good demand also for household conveniences, oil stoves, cooking utensils and similar lines. In the city, the trade in gas stoves has never been as large as it is at present. Collections are better than they were two weeks ago. In binder twine the movement is slow, but shipments of twine will begin on Monday. They will not be active, however, until about July 1.

Paints and oils are active, but no change of price is recorded except for linseed oil which has advanced 2c. per gallon.

Scrap of all kinds is in good demand and prices are firm and without change.

The price list for the week is as follows :

Barbed wire, 100 lb	$3 30
Plain twist	3 40
Staples	3 95
Oiled annealed wire 10	3 85
" 11	3 90
" 12	3 95
" 13	4 10
" 14	4 25
" 15	4 35
Galvanized wire, 6 to 8 gauge	4 00
" 9 "	3 50
" 10 "	4 05
" 11 "	4 20
" 12 "	3 65
" 13 "	3 75
" 14 "	4 45
" 15 "	4 60
" 16 "	4 75
Wire nails, 30 to 60 dy, keg	3 25
" 16 and 20	3 35
" 10	3 35
" 8	3 45
" 6	3 50
" 4	3 65
" 3	3 90
Coil chain, 3-16 inch	10½
" ¼ inch	8¾
" 5-16 inch	5½
" ⅜ inch	5¼
" 7-16 inch	5
" ½ to ¾ inch	4¾
Cut nails, 30 to 60 dy.	3 10
" 20 to 40	3 15
" 10 to 16	3 20
" 8	3 25
" 6	3 30
" 4	3 60
" 3	3 75
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to No 1	4 65
No. 2 and larger	4 40
Snow shoes, No. 0 to No. 1	4 90
No. 2 and larger	4 40
Steel, No. 0 to No. 1	4 95
No. 2 and larger	4 70
Bar iron, $2.70 basis.	
Swedish iron, $5.00 basis.	
Sleigh shoe steel	3 25
Spring steel	3 25
Machinery steel	3 75
Tool steel, Black Diamond, 100 lb	8 50
Jessop	13 00
Sheet iron, black, 10 to 20 gauge, 100 lb.	3 50
20 to 26 gauge	3 75
28 gauge	4 00
Galvanized American, 16 gauge	2 79
18 to 22 gauge	4 75
24 gauge	5 00
26 gauge	5 25
28 gauge	5 50
Genuine Russian, lb	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 75
26 gauge	8 00
28 gauge	8 50
Tinplate, IC charcoal, 20 x 28, box	11 00
" IX "	13 00
" IXX "	15 00
Ingot tin	33
Canada plate, 18 x 21 and 18 x 24	3 25
Sheet zinc, cask lots, 100 lb	7 00
Broken lots	7 50
Pig lead, 100 lb	6 00
Wrought pipe, black up to 2 inch....50 and	10 p.c.
" Over 2 inch	50 p.c.
Rope, sisal, 7-16 and larger	$13 50
" ⅜	14 00
" ¼ and 5-16	14 20
Manila, 7-16 and larger	17 00
" ⅜	17 55
" ¼ and 5-16	18 00
Solder	20
Cotton Rope, all sizes, lb	17
Axes, chopping	$ 7 50 to 12 00
" double bitts	12 00 to 18 00
Poultry netting, 24 in	1 35
Screws, flat head, iron, bright	87½
Round " "	82½
Flat " brass	80
Round " "	75
Coach	57½ p.c.
Bolts, carriage	50 p.c.
Machine	50 p.c.
Tire	60 p.c.
Sleigh shoe	65 p.c.
Plough	40 p.c.
Rivets, iron	50 p.c.
Copper, No. 8	32
" No. 12	36
Bluestone, cask lots	$5 50
Spades and shovels	40 p.c.
Harvest tools	60 p.c.
Axe handles, turned, s. g. hickory, doz.	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 75
No. 1	1 25
Files common	70, and 10 p.c.
Diamond	60
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	30 p.c.
" military	15 p.c.
American R.F.	30 p.c.
C.F. pistol	5 p.c.
C.F. military	10 p.c. advance.
Loaded shells :	
Eley's soft, 12 gauge black	16 50
chilled, 12 gauge	18 00
soft, 10 gauge	21 00
chilled, 10 gauge	23 00
Shot, Ordinary, per 100 lb	6 25
Chilled	6 75
Powder, F.F., keg	4 75
F.F.G.	5 00
Tinware, pressed, retinned	75 and 2½ p.c.
" " plain	70 and 15 p.c.
Graniteware, according to quality	50 p.c.

PETROLEUM.

Water white American	25½ c.
Prime white American	24c.
Water white Canadian	22c.
Prime white Canadian	21c.

BINDER TWINE.

Sisal and Standard f.o.b. Winnipeg	$ 12
Manila, 550 feet	13½
Manila, 600 feet	14¼
Pure Manila	16

Five-ton lots ½c. less per lb., and car-lots ¼c. less.

SCRAP.

No. 1 cast iron	$13 to $14 per ton
No. 2 "	5 to 6 "
Wrought iron scrap	5 "
Copper (heavy)	7c. per lb.
Yellow brass (heavy)	7½c. "
Light brass	5c. to 6c. "
Lead pipe, or tea lead	2c. to 2½c. "
Zinc scrap	1c. "

PAINTS, OILS AND GLASS.

Turpentine, pure, in barrels	$ 75
Less than barrel lots	80
Linseed oil, raw	87
Boiled	90
Lubricating oils, Eldorado castor	29
Eldorado engine	28½
Atlantic red	29½
Renown engine	41½
Black oil	20
Cylinder oil (according to grade)	55 to 74
Harness oil	65
Neatsfoot oil	90
Steam refined oil	85
Sperm oil	2 00
Pure castor oil, East India	11
Lubricating	10
Glass, single glass, first break, 16 to 25 united inches	2 50
26 to 40 per 50 ft.	2 75
41 to 50 " 100 ft.	6 00
51 to 60 " " "	6 50
61 to 70 per 100-ft. boxes	7 00
Putty, in bladders, barrel lots per lb.	2½
kegs "	2¾
White lead, pure per cwt.	6 50
No. 1 "	6 00

Prepared paints, pure liquid colors, according to shade and color, per gal. $1.30 to $1.90

NOTES.

Moody & Sutherland, hardware merchants, of Selkirk, are erecting a fine new block of three stores on the main street of that town.

The Brandon binder factory commences operations this week. The company have secured an expert to take charge, and considerable interest is taken in the success of the project. Brandon bids fair to become quite a manufacturing centre.

MARITIME BOARD OF TRADE.

President Black, of the Maritime Board of Trade, has addressed a letter to the subordinate boards of trade in the Maritime Provinces asking their opinion as to where the June meeting of the executive committee shall be held.

The executive of the Maritime Board is required under the by-laws to be called together during the month of June, and at the forthcoming meeting arrangements are to be made for the annual convention, which is to be held in August next at Sydney, C.B.

NOW HE'S DOUBLE.

On Wednesday, June 18, at 4 o'clock in the afternoon, Mr. John W. Richardson, of the Canada Hardware Co., was married to Miss Martha D. Cleland, daughter of Mr. James Cleland, manufacturer, of Montreal. Ths ceremony was performed at the home of the bride's parents, 15 Souvenir street, Montreal, by Rev. J. Lyall George, M. A., of the Calvin Presbyterian Church. A large number of the relatives and friends of the young people were present, and the wedding was a very pretty one.

Mr. and Mrs. Richardson will spend their honeymoon at Old Orchard Beach, stopping at Portland and other places of interest on their way there. On their return to Montreal they will take up their residence on St. Hubert street.

Mr. Richardson was given a "send-off" from his fellow-employes in the Canada Hardware Co. in the shape of a purse of money. The groom is one of the most popular members of the wholesale hardware trade of Montreal, and many will be those who offer him congratulations, among whom none join more heartily than HARDWARE AND METAL.

John Bowman

HARDWARE & COAL CO.

LONDON, ONT.

Our stock of goods for the spring trade is now complete, and we can fill all orders promptly on the following lines :

Wire, Nails, Cordage, Window Glass, White Lead, Paints, Whiting, Churns, Linseed Oil, Spades and Shovels, Screen Doors, Wove Wire, Poultry Netting, Builders' Hardware, Guns and Sporting Goods. Finest stock in the Province of Cutlery.

Prompt Shipment. Prices Right.

DOMINION WIRE MANUFACTURING COMPANY

LIMITED

ESTABLISHED 1880 INCORPORATED 1893 DOMINION TRADE MARK

ESTABLISHED 1880 INCORPORATED 1893 DOMINION TRADE MARK

MONTREAL and TORONTO

WORKS AT

DOMINION

NEAR MONTREAL

GOODS MARKED **DOMINION** ARE GUARANTEED

Locks and Builders' Hardware.

We have a most complete line of all these goods, including the very newest ideas in

Bronze and Brass Knobs, Door Sets and Escutcheons.

LOCKS AND LATCHES OF ALL KINDS.

Any dealer asking for a catalogue will be sent full prices, discount sheets, etc., etc. Drop a card.

ESTABLISHED 1843. INCORPORATED 1893.

THE Gurney-Tilden Co., LIMITED

Hamilton. Toronto. Montreal.

AGENCIES:—ST. JOHN, N. B., VANCOUVER, B. C.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

Montreal, June 20, 1902.

HARDWARE.

BUSINESS in hardware throughout the week has been active, both manufacturers and jobbers reporting a brisk demand for all seasonable lines. Trade at country points has, no doubt, suffered from the unusually inclement weather, but most of the wholesale houses say that they have felt the effects of this only lightly. Malleable fittings have been advanced from 30 and 5 per cent. off to 29 per cent. off only. The discount on malleable unions is now given at 60 and 10 per cent. off. Harvest tools of all sorts are in the most active demand.

SCYTHES.—There is an active movement in the market for scythes, and last week's prices are still quoted. They are as follows: Lance, No. 80, $5.50; Hurd's Clipper, $6.50; concave, $7.50; Sibley, $8.50; Cradle scythes, cast steel, $8.50; silver steel, $9.50; "Harvest King," $10.50. Bush scythes, $6.50.

BARB WIRE.—The market is growing quieter. Some business is being done at $3 per 100 lb. f.o.b. Montreal.

GALVANIZED WIRE.—Trade is fair. Prices are unchanged. Quotations are Nos. 6, 7 and 8 gauge, $3.45; No. 9, $3.80; No. 10, $3.55; No. 11, $3.65; No. 12, $2.95; No. 13, $3.05; No. 14, $4.05; No. 15, $4.55; No. 16, $4.80; No. 17, $5.20; No. 18, $5.45.

SMOOTH STEEL WIRE.—There is only a small amount of business doing, and our quotations are now as follows: Bright iron and annealed on a base of $2.60 per 100 lb. f.o.b. Montreal, Toronto, Halifax, London, Hamilton and St. John. Net extras per 100 lb. are as follows: Coppered wire, 60c.; tinned wire, $2; oiling, 10c.; spring wire, $1.25; best steel wire, 75c.; bright soft drawn, 15c.; special hay-baling wire, 30c.

FINE WIRE.—The market is quiet and prices unchanged. The discount remains at 22½ per cent.

BRASS AND COPPER WIRE.—There has been no improvement in the demand. The discount on both brass and copper wire is 60 per cent.

FENCE STAPLES.—There has been no important change. The trade has settled down to fairly quiet conditions, and the prices are still $2.90 per 100-lb. keg for bright, and $3.25 for galvanized. 25c. extra is charged on 25 and 50-lb. packages.

WIRE NAILS.—Shipments of wire nails are still in active progress, the price being $2.55 for small lots and $2.50 for carlots f.o.b. Montreal, London, Hamilton, Toronto, Gananoque, Brantford, Windsor, Ont., St. John and Halifax.

CUT NAILS.—These are still moving out rapidly with no change in price to report. Small lots sell for $2.45 per keg, and in carlots the price is $2.37½. The discount on flour barrel and coopers' nails is 40 per cent.

HORSE NAILS.—There is no change. The demand continues no more than moderate, and the discounts remain the same. Our quotations are now as follows: "C" brand, 50 and 7½ per cent. off; "M" brand, for "Oval" and "New City" heads, 60 per cent. off, and for "New Countersunk" heads, 66 2-3 per cent. off. "Monarch" horse nails are also discounted at 66 2-3 per cent.

HORSESHOES.—There is but a small amount of business doing in horseshoes. Our quotations are as follows: Iron shoes, light and medium pattern, No. 2 and larger, $3.50; No. 1 and smaller, $3.75; snow shoes, No. 2 and larger, $3.75; No. 1 and smaller, $4.00; X L steel shoes, all sizes, 1 to 5, No. 2 and larger, $3.60; No. 1 and smaller, $3.85; feather-weight, all sizes, $4.85; toe weight, steel shoes, all sizes, $5.95 f.o.b. Montreal; f.o.b. Hamilton, London and Guelph, 10c. extra.

SCREWS.—The demand continues brisk all round, and a good business is being done. The discounts are now as

METALS

We always have on hand a heavy stock of metals in every gauge and size.
You may require some of these:

GALVANIZED SHEETS,
Flat and Corrugated
BLACK SHEETS
CANADA PLATES
TIN PLATES

TINNED SHEETS
TERNE PLATES
COPPER SHEETS
INGOT TIN

We will be pleased to answer inquiries for both import and from stock.
We are the only manufacturers in Canada who make or carry "Everything for the Tinshop."
By consolidating your account with us you can save money in both time and freight, and then there are many other advantages we can give which one line manufacturers cannot afford to do.

The McClary Manufacturing Co.,

LONDON, TORONTO, MONTREAL, WINNIPEG, VANCOUVER, AND ST. JOHN, N.B.

"Everything for the Tinshop"

ENGLISH
GERMAN
BELGIAN
CANADIAN
AMERICAN
} PORTLAND CEMENTS.

FIRE
BUILDING
ENAMELLED
SILICA
MAGNESIA
} BRICKS.

DRAIN
CULVERT
} PIPES.

F. HYDE & CO.
31 WELLINGTON ST., MONTREAL

. . FULL STOCK . .
Salt Glazed Vitrified
SEWER PIPE
Double Strength Culvert Pipe a Specialty.
THE CANADIAN SEWER PIPE CO.
HAMILTON, ONT. TORONTO, ONT.
ST. JOHNS, QUE.

Deseronto Iron Co.
LIMITED
DESERONTO, ONT.
Manufacturers of
CHARCOAL PIG IRON
BRAND "DESERONTO."
Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

"MIDLAND"
BRAND
Foundry Pig Iron.
Made from carefully selected Lake Superior Ores, with Connellsville Coke as fuel, "Midland" will rival in quality and grading the very best of the imported brands.
Write for Prices to Sales Agents
Drummond, McCall & Co.
or to MONTREAL, QUE.
Canada Iron Furnace Co.
MIDLAND, ONT. Limited

follows: Round head bright, $82½ and 10 per cent.; flat head bright, 87½ and 10 per cent.; brass, round heads, 75 and 10 per cent.; brass, flat heads, 80 and 10 per cent.

BOLTS.—There is still a fairly active market in this line. No quotable change has occurred, and the discounts are as follows: Norway carriage bolts, 55 per cent.; common, 50 per cent.; full square carriage bolts, 55 per cent.; machine bolts, 50 and 5 per cent.; coach screws, 66 2-3 per cent.; sleigh shoe bolts, 65 and 5 per cent.; blank bolts, 50 and 5 per cent.; bolt ends, 50 and 5 per cent.; plough bolts, 50 and 5 per cent. To any retailer an extra discount of 10 per cent. is allowed. Tire bolts, 67½ per cent.; stove bolts, 67½ per cent. Nuts, square, 3¼ per lb. off list; hexagon nuts, 3¾c. per lb. off list. To all retailers an extra discount of ¼c. per lb. is allowed.

BUILDING PAPER.—Many orders have been received this week for building paper, and the market is firm, as follows: Tarred felt, $1.70 per 100 lb.; 2-ply, ready roofing, 85c. per roll; 3- ply, $1.10 per roll; carpet felt, $2.25 per 100 lb.; dry sheathing, 35c. per roll; tar sheathing, 45c. per roll; dry fibre, 50c. per roll; tarred fibre, 60c. per roll; O K and I X L, 65c. per roll; heavy straw sheathing, $30 per ton; slaters' felt, 60c. per roll.

CORDAGE.—The demand for cordage has been somewhat better this week, but a quiet market still prevails. Binder twine is becoming scarce, and our quotations follow: Manila, 16c.; British manila, 14½c.; sisal, 13c.; lathyarn, 11½c. Prices on binder twine are as follows: Blue Ribbon, 650 feet to the pound, 15c.; Redcat, 600 feet to the pound, 14c.; Tiger, 550 feet to the pound, 13c.; Standard, 500 feet to the pound, 11½c.; sisal, 500 feet to the pound, 11½c. Prices are subject to a rebate of ¼c. in carload lots.

RIVETS AND BURRS.—The demand is fair. Prices are unchanged. We quote: Best iron rivets, section carriage, and wagon box, black rivets, tinned do., coopers' rivets and tinned swedes rivets, 60 and 10 per cent.; swedes iron burrs are quoted at 55 per cent. off; copper rivets, with the usual proportion of burrs, 45 and 10 per cent. off, and coppered iron rivets and burrs, in 5-lb. carton boxes, are quoted at 60 and 10 per cent. off list.

SCREEN WIRE CLOTH.—Business has slackened somewhat, and this week the demand is no more than moderate. The price is still $1.37½ per 100 square feet.

POULTRY NETTING.—Trade has been fairly satisfactory during the week, though no very heavy demand was experienced. The discounts on Canadian or English poultry netting are as follows: 2 x 2 mesh, 19 wire, 50 and 10 per cent.; 2 x 2 mesh, heavier wire, 50 per cent. Canadian list used.

HARVEST TOOLS.—The demand is of the best, harvest tools being among the best selling lines this week. The discount is 60 per cent.

FIREBRICKS. Trade is fair and prices unchanged. Scotch sell for $17 to $22, and English for $16 to $22 per 1,000.

CEMENT.—The market continues rather quiet at steady prices. Quotations are as follows: Canadian cement, $1.90 to $2.25; German, $2.20 to $2.30; English, $2.15 to $2.25; Belgian, $1.70 to $1.95 per bbl. ex-wharf, and American, $2.10 to $2.20 ex-cars.

A. C. LESLIE & CO.
Agents for
Henry Wright & Co's
ANVILS and VISES.
Standard Chain Co's
COIL CHAIN.
SANDERSON'S STEEL IN STOCK.
509-512 Merchants Bank Building,
MONTREAL.

THE R. McDOUGALL CO., Limited,
GALT, ONT.
Manufacturers of

Iron and Brass
PUMPS
FOR ALL SERVICES.
FORCE PUMPS,
LIFT PUMPS,
CISTERN PUMPS,
HAND OR POWER PUMPS
OF ALL KINDS.
Catalogue for the asking.
OUR MOTTO: "The best quality and right prices."

We offer for Prompt Shipment—
Pig Iron,
No. 1 "Carnbroe"
No. 3 "Middlesbro"
Pig Tin,
Straits
Lamb & Flag
Ingot Copper,
"M. & A." and "Lake"
Lead,
Antimony.
ADAM HOPE & CO.
Hamilton, Ont.

NOVA SCOTIA STEEL & COAL CO., Limited
NEW GLASGOW, N.S.
Manufacturers of
Ferrona Pig Iron
And SIEMENS MARTIN
OPEN HEARTH STEEL.



More **Elastilite Varnish**

sold up to date this year than during any previous twelve months since we introduced it. "Reason?" There never has been, there is not now, and we doubt if there ever will be a Varnish put up, either by domestic or foreign makers, equal to ELASTILITE for the same money.

In tins only, from ½-pints to 1 gallon.

MANUFACTURED ONLY BY

The Imperial Varnish & Color Co. LIMITED

Toronto, Ont., Canada.

Canadian Agents for Buehne's "Red, White and Blue" Brand Steel Wool.

A FEW QUESTIONS--

Is the paint end of your business paying you?

Have you given that branch your serious consideration?

Have you decided to chance the result of selling cheap stuff?

Have you ever thought that you might make a good showing in that branch by securing the agency for the famous

"Ark Brand" Paint?

Do you know that hundreds of Canadian merchants cannot say too much in favor of this genuine Canadian paint?

Is it news to you that we back all our statements with a strong guarantee on each tin?

THE **FRANCIS-FROST C°** Limited

TORONTO.

Canadian Distributing Agents for Grippin's Crack Filler.

METALS.

The situation in metals is not materially changed, either here or on the foreign markets. It was expected that something like a boom would be felt in the English market on the close of the war in South Africa, but, so far, this has failed to materialize, and prices keep steady. The demand must come, however, soon from South Africa, where there is a great need for all metals for the building and rebuilding which must soon commence. Locally, there has been no change in prices. Pig tin is still strong and the opinion is that it will go higher. In lead pipe, composition and waste are quoted ½c. higher.

PIG IRON.—There has been no important change in this market, which continues firm at the prices here quoted: Canadian, $18.50 to $19, and Summerlee, $21.50 to $22.

BAR IRON.—There is a good demand, and prices are more settled and steady. Merchants' bar is quoted at $2, and horseshoe iron at $2.20.

BLACK SHEETS.—Trade is only fair. Our quotations are as follows: 28 gauge, $2.65; 26 gauge, $2.60; 20 to 24 gauge, $2.50, and 8 to 20 gauge, $2.50.

GALVANIZED IRON.—This is in good demand at the prices we quote, which are as follows: No. 28, Queen's Head, $4.40; Apollo, 10¾ oz., $4.40; Fleur de Lis, $4.15; Comet, $4.25: "Bell" brand, $4.30. For less than case lots 10c. extra is charged.

INGOT COPPER.—The price of ingot copper remains unchanged at 14c. The market is not active.

INGOT TIN.—The feeling in ingot tin is for higher prices, although no change has yet been made since the advance of last week. Straits is quoted at 33½c., which is a firm price. The English market is reported steady and unchanged as to price.

PIG LEAD.—There is nothing new to report. Trade is quiet at $3.25.

LEAD PIPE.—Composition and waste have been advanced ½c., making the present selling price 8c. Ordinary remains at 7c. The discount is 37½ per cent.

IRON PIPE.—The demand keeps up well at unchanged prices. We quote as follows: Black pipe, ⅛, $3; ¼, $2.40; ⅜, $2.65; ½, $3; ¾, $3.70; 1-in., $5.25; 1¼, $7.40; 1½, $8.90; 2-in., $12.40. Galvanized, ¼, $3.20; ⅜, $3.45; ½, $4; ¾, $5.05; 1-in., $7.25; 1¼, $10.10; 1½, $12.15; 2-in., $16.70. Extra heavy pipe, plain ends, are quoted, per 100 ft., as follows: Black, ½, $4.35; ¾, $5.30; 1-in., $7.60; 1¼, $10.60; 1½, $12.70; 2-in., $17.45. Galvanized, ½, $5.35; ¾, $6.70; 1-in., $9.60; 1¼, $13.30; 1½, $15.95; 2-in., $21.75. For threads and couplings 5 per cent. is added.

TINPLATES.—There is a good inquiry for tinplates, but on the local market there is some scarcity. Charcoal tinplates are quoted at $4.75 to $5.25 per box, and cokes at $4.25 per box.

CANADA PLATE.—There have been a great many inquiries for galvanized Canada plate, of which 60's are very scarce. No change is reported from the English market. We quote: 52's, $2.70 to $2.80; 60's, $2.85 to $2.90; 75's, $2.80 to $2.85; full polished, $3.75, and galvanized, $4.25 to $4.35; galvanized, 60's, $4.45 to $4.55.

STEEL.—Business continues quite brisk at the prices here quoted, which are unchanged from last week. Sleighshoe, $2.10; tire, $2.20; bar, $2.05; spring, $2.85; reeled machinery, $2.75; toecalk, $2.70.

SHEET STEEL.—There is a fair trade doing. No quotable change has been made, and prices are as follows: Nos. 10 to 20, $2.50; 3-16, $2.50; ¼, 5-16 and ⅜, $2.40.

TOOL STEEL.—There is little doing. We quote as follows: Black Diamond, 8c.; Sanderson's, 8 to 12c., according to grade; Jessop's, 13c.; Leonard's, 7½c.; Jonas & Colver's, 8 to 15c.; "Air Hardening," 30 to 50c.

TERNE PLATES.—Trade is fair. The price is $7.50.

COIL CHAIN.—There is very little doing and our quotations are as follows: No. 6, 12½c.; No. 5, 10½c.; No. 4, 10c.; No. 3, 9½c.; ¼-inch, 7½c. per lb.; 5-16, $5; 5-16 exact, $5.25; ⅜, $4.25; 7-16, $4.05; ½, $3.95; 9-16, $3.85; ⅝, $3.55; ¾, $3.50; ⅞, $3.45; 1-inch, $3.45. In carload lots an allowance of 10c. is made.

SHEET ZINC.—The inquiry is light and no change in price has occurred. The foreign markets for sheet zinc are steadier. The price here is $5.85 to $6.25.

ANTIMONY.—Business is quiet, and the price is 10c.

ZINC SPELTER.—No important change has been made here, and the price remains at 5c.

SOLDER.—Business is as usual, with no quotable change to report. The price of wire solder is 20c., and of bar solder, 18 cents.

PAINTS AND OILS.

The market for paints and oils is still firm. Orders are not coming in as fast

as two or three weeks ago, but the grinders seem to be still quite busy. The market is practically bare of linseed oil and dry white lead, and arrivals of both these staples are looked forward to with some impatience. Red lead is in active demand, and stocks are being thinned out rapidly. Paris green is still moving out rapidly, and at the present rate of shipment, the usual midsummer scarcity will be more accentuated than for some seasons. The optimistic feeling regarding the trade in general still prevails, and the opinion of all seems to be that the present lively conditions will continue through the summer months. Turpentine is unchanged in price. We quote :

WHITE LEAD.—Best brands, Government standard, $5.87½ ; No. 1, $5.50 ; No. 2, $5.12½ ; No. 3, $4.75 ; No. 4, $4.37½ all f.o.b. Montreal.

DRY WHITE LEAD.—$5.25 in casks ; kegs, $5.50.

DRY WHITE ZINC.—Pure dry, 6¼c. ; No. 1, 5¼c.; in oil, pure, 7¼c.; No. 1, 6¼.; No. 2, 5¼c.

PUTTY.—We quote : Bulk, in bbls., $1.90 per 100 lb.; bulk, in less quantity, $2.05 ; bladders, in bbls., $2.25 ; bladders, in 100 or 200-lb. kegs or boxes, $2.40 ; in tins, $2.55 to $2.65 ; in less than 100-lb. lots, $3 f.o.b. Montreal, Ottawa, Toronto, Hamilton, London and Guelph. Maritime Provinces, 10c. higher, f.o.b. St. John and Halifax.

ORANGE MINERAL.—Casks, 7c.; 100-lb. kegs, 7¼c.; smaller quantities, 8¼c.

RED LEAD.—Genuine red lead, in casks, $4.50 ; in 100-lb. kegs, $4.75 ; in less quantities, $5.75 per 100 lb. No. 1 red lead, casks, $4.25 ; kegs, $4.50, and smaller quantities, $5.50.

LITHARGE.—Ground, casks, 5c. ; less quantities, 5½c.; flake litharge, casks, $5.25 ; smalls, $5.75 per 100 lb.

LINSEED OIL.—Raw, 84c.; boiled, 87c.; In 5 to 9 barrels, 1c. less. Terms, net cash in 30 days. Delivered in Ontario, between Montreal and Oshawa, at 2c. per gallon advance, and freight allowed.

TURPENTINE.—Single barrels, 72c.; 2 to 4 barrels, 71c. Terms, net cash in 30 days.

SHELLAC VARNISH.—Pure white, $2.35 to $2.45 ; orange, $2.25 to $2.35.

MIXED PAINTS.—$1.20 to $1.45 per gallon.

CASTOR OIL.—8¾ to 9¼c. in wholesale lots, and ½c. additional for small lots.

SEAL OIL.—48 to 50c.

COD OIL.—35 to 37½c.

PARIS GREEN.—Petroleum, bbls., 16¾c. per lb.; arsenic kegs, 17c.; 50 and 100-lb. drums, 17½c.; 25-lb. drums, 18c.; 1-lb. packages, 18½c.; ½-lb. packages, 20½c.; 1-lb. tins, 19½c.; ½-lb. tins, 21½c. f.o.b. Montreal. Terms : 3 per cent. 30 days, or four months from date of delivery.

SCRAP METALS.

The market has been uneventful during the past week. No changes in the prices are reported, and the trade continues quiet. Our quotations are as follows : Heavy copper and wire, 10½c. per lb.; light copper, 8c.; heavy red brass, 10½c.; heavy yellow, 9c.; light brass, 5c.; lead, 2 to 2¼c.; zinc, 2¼c.; iron No. 1, wrought, $15 ; No. 2, $7 per ton ; machinery scrap, $16 ; stove plate, $12 ; malleable and steel, $5 ; mixed country rags, 60 to 70c. per 100 lb. ; old rubbers, 6¼c. per lb.

OUR METALLIC CEILINGS and WALLS

are the ideal finish for all kinds of buildings, because they combine beauty and utility.

We make an almost countless assortment of artistic designs—the plates fitting accurately, the joints imperceptible, and the pattern continuous in perfect precision throughout.

Their sanitary superiority, fireproof protection, handsome effect, and moderate cost appeal to all progressive people.

You can scarcely afford not to handle these superior goods—their uniform reliability makes satisfied customers every time.

Catalogue and price list of our full stock of unequalled metal building materials at your service.

The Metallic Roofing Co., Limited,

TORONTO. MONTREAL. WINNIPEG.

GLASS.

The local market for glass is dull and featureless, and prices quoted are scarcely more than nominal, and they are as follows : First break, 50 ft., $2.10 ; second, $2.20 for 50 feet ; first break, 100 feet, $4 ; second break, $4.20 ; third break, $4.70 ; fourth break, $4.95.

HIDES.

With the exception of sheepskins, all classes of hides have advanced, although the market is too unsettled to be regarded as in any way firm. Outside competition is given as the cause of the higher prices, and offerings are light. Beef hides are 2c. higher this week, calfskins, 2c. higher, and lambskins have gone up 10c. We quote : No. 1 hides, 10c.; No. 2, 9c.; No. 3, 8c. No. 1 calfskins, 12c. ; sheepskins, 70c.; lambskins, 25c. per lb.

MONTREAL NOTES

Malleable fittings have been advanced 1½ per cent.

In lead pipe, composition and waste are 1c. higher.

Beef hides and calfskins have advanced 2c., and lambskins are 10c. higher.

ONTARIO MARKETS.

Toronto, June 20, 1902.

HARDWARE.

IN hardware trade is unchanged. No unusual demand is being experienced, but a good sorting up business continues, making the market healthy. The stocks in some lines of goods are light, but this is the fault of the manufacturers, who claim that in some cases it is almost impossible to get the raw material. In all lines is the sorting up trade increasing, especially so in stove fixtures, screen doors, window screens and poultry netting. There are still a good many orders coming in for both plain and galvanized fencing wires. There is also a good number of transactions in churns and wringers, and manufacturers in both these lines are trying to advance the prices on the ground that the present figures are altogether too low, as the increased cost of raw material and labor has reduced the profit of the manufacturer to little or nothing.

BARB WIRE.—A good many orders are coming in for this article. We quote f.o.b. Cleveland, $2.77½ for less than carlots and $2.65 for carlots. From stock, Toronto, $3.

GALVANIZED WIRE.—There is still a brisk business being done in galvanized wire, which is unchanged in price, and our quotations are as follows : Nos. 6, 7 and 8, $3.50 to $3.85 per 100 lb., according to quantity ; No. 9, $2.85 to $3.15 ; No. 10, $3.60 to $3.95 ; No. 11, $3.70 to $4.10 ; No. 12, $3 to $3.30 ; No. 13, $3.10 to $3.40 ; No. 14, $4.10 to $4.50 ; No. 15, $4.60 to $5.50 ; No. 16, $4.85 to $5.35. Nos. 6 to 9 base f.o.b. Cleveland are quoted at $2.52½ in less than carlots and 12c. less for carlots of 15 tons.

SMOOTH STEEL WIRE.—There continues to be a good business done in this line. We quote base price at $2.60 per 100 lb. Oiling, 10c.; coppering, 60c.;and tinning, $2 per 100 lb. extra. Delivery points Toronto, Hamilton, London and Montreal, with freights equalized on those points.

FINE STEEL WIRE.—There is a fair demand for fine steel wire, and the discount remains at 22½ per cent.

WIRE NAILS.—A steady trade is being done in this line and prices are unchanged. We quote as follows : $2.55 for less than carlots and $2.50 for carlots. The delivery points are Toronto, Hamilton, London, Gananoque, and Montreal.

CUT NAILS.—The trade that is being done is light and the market is steady. The base price is $2.45 per keg, and 7½c. less for carlots.

HORSE NAILS.—A fair trade is doing. Discounts are : " C " brand, oval head, 50 and 7½ per cent.; on " M " brand, 50, 10 and 5 per cent.; " Monarch," 60 2-3 per cent. Countersunk head, 60 per cent.

HORSESHOES.—The demand continues fair at unchanged prices. We quote : Iron shoes, No. 2 and larger, light,

medium and heavy, $3.60; snow shoes, $3.85; light steel shoes, $3.70; featherweight (all sizes), $4.95; iron shoes, No. 1 and smaller, light, medium and heavy (all sizes), $3.85; snow shoes, $4; light steel shoes, $3.95; featherweight (all sizes), $4.95.

SCREWS.—The demand for screws continues heavy, but the supply is light. The discounts are as follows: Flat head bright, 87½ and 10 per cent.; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.; round head bronze, 65 per cent., and flat head bronze, 70 per cent.

RIVETS AND BURRS.—The scarcity of stocks in this line still remains. We quote as follows: Iron rivets, 60 and 10 per cent.; iron burrs, 55 per cent.; copper rivets, with usual proportion of burrs, 45 and 10 per cent.; copper burrs alone, 30 and 10 per cent.

BOLTS AND NUTS.—As much difficulty as ever is experienced in getting supplies. The demand is heavy, and our quotations are as follows: Carriage bolts, common ($1.00 list), 50 per cent.; carriage bolts, full square ($2.40 list), 55 per cent.; carriage bolts, Norway iron ($3 list), 55 per cent.; machine bolts, all sizes, 50 and 5 per cent.; coach screws, cone points, 66 2-3 per cent.; elevator shaft and whiffletree bolts, 50 per cent.

SCREEN DOORS AND WINDOWS.—There is a good trade doing in this line at steady prices, and our quotations are as follows: Common doors, two or three panel, f.o.b. factory points as follows: Walnut, stained, 3-inch style, $6.80 per dozen; stained, yellow, $7; natural color, oil finish, $8.15; 4 inch style, 20c. extra per dozen. Windows: No. 0, $1.60; No. 1, $1.70; No. 2, $1.95; No. 3, $2.10; No. 4, $2.50 per dozen.

GREEN WIRE CLOTH.—Trade in this line is increasing. The prices are unchanged, the discount still being $1.37½ per 100 square feet.

SPADES AND SHOVELS.—There has been little improvement in the demand during the week. The discount is 40 and 5 per cent.

ROPE.—Trade is beginning to improve nicely and before long a good demand is expected to set in for the lighter lines of harvest ropes. We quote: Pure manila, 16c.; British manila, 14½c.; sisal, 13c.; lathyarn, 12c.; sisal bed cord, 3 cord, 48 ft., 65c.; 60 ft., 80c.; 72 ft., 95c. per doz.

BINDER TWINE.—Already there is a fair demand setting in. Trade, this season, is expected to be large, and our quotations are as follows: "Blue Ribbon," 650 feet, 15c.; "Red Cap," 600 feet, 14c.; "Tiger," 580 feet, 13c.; sisal, 500 feet, 11½c.

EAVETROUGH, ETC.—The demand still continues good. This season trade has been exceptionally heavy. Quotations are as follows: Eavetrough, $3.10 per 100 square feet, for 10-inch, and conductor pipe at $4 for 3-inch, and $5.25 for 4 inch.

HARVEST TOOLS.—The retail trade are looking sharply after their stocks of harvest tools and a good many sorting-up orders are coming in. Jobbers are now in a position to handle "D" goods, as the manufacturers have just filled their orders. The discounts continue unchanged at 60 per cent.

BUILDING PAPER.—The trade doing in this line is moderate. We quote as follows: Dry sheathing, grey or straw, 35c. per roll; tar sheathing, grey or straw, 45c. per roll; dry fibre, 50c. per roll; tarred fibre, 60c. per roll.

LAWN MOWERS.—The demand for lawn mowers is keeping up well, and prices are unchanged. Discounts are as follows: 50 per cent. on high-wheeled lawn mowers, "Star" mowers, 9-in. wheels, $2.25 to $3; "Daisy" mowers, 17-in. wheels, $2.25 to $2.50.

HARVEST WHIPS.—Trade is still quiet, but the demand is expected shortly to increase.

POULTRY NETTING.—This article is scarce and manufacturers are unable to keep jobbers supplied.

TINWARE AND ENAMELLED WARE.—Tinware is fairly active, while the movement in enamelled ware is steady.

SPORTING GOODS.—The demand for ammunition and loaded shells continues fair, and a number of guns are still being sold.

CEMENT.—The market is gaining in strength, but prices are unchanged. The demand from all quarters is heavy and keeps the manufacturers busy with their orders. We quote: Canadian Portland, $2 to $2.85; Canadian hydraulic, $1.35 to $1.60; German cement, $3; English, $3 to $3.15; Belgian, $2.50 to $2.75 per bbl.

METALS.

The general metal trade continues in a satisfactory condition, and the shipments of supplies from the mills are becoming larger. The particular feature of the local market is the decline of $1 per 100 lb. in tin, owing to the prolonged weakness and inactivity of the London and New York tin markets. There is also a depression in the United States copper market, and little business is being done there, the situation not being clear enough to encourage buying on a liberal scale. The outside iron and steel position is still strong and considerably more so than a week ago, but the prices show little signs of sharply advancing, as the buying is on a limited and conservative scale.

PIG IRON.—No new features have developed in the pig iron market, the local demand continuing heavy and the scarcity of stock being still felt. The United States market continues strong with a distinct tendency to advance. We quote on track, Toronto: No. 1 foundry, $21; No. 2, $20.50.

STEEL BOILER PLATES.—These are scarce and firm and United States millers are filled with orders ahead. We quote steel boiler plates at $1.80 for carload lots on track, Toronto.

STEEL BEAMS.—The business in this line is active with a strong market. Quotations from stock are $2.75, and carloads on track, $2 per 100 lb.

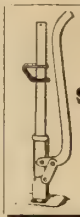
STEEL RAILS.—The price of steel rails of Canadian make remains unchanged at $36 per ton.

TOOL STEEL.—The demand continues good and the prices are steady, and our quotations are as follows: "B C" and "Black Diamond," 10 to 11c.; Jessop's, Morton's and Firth's, 14c.; Jonas & Colver's, 8 to 15c.; ditto, "Air Hardening," 30 to 50c.; Chas. Leonard's, 8 to 9c.; Park's "Silver," 12 to 14c.; Park's Special, 15 to 20c.

SPRING STEEL.—There continues to be an active demand in this line.

MILD STEEL.—There continues a great scarcity in mild steel.

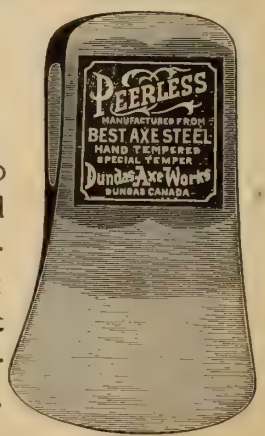
OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.
'WELLINGTON' KNIFE POLISH
JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
Wellington Mills, London, England.
Agent:
JOHN FORMAN, 644 Craig Street
MONTREAL


COVERT MFG. CO.
West Troy, N.Y.
Steel Carriage and Wagon Jacks,
Harness Snaps, Chain, Rope and Web Goods, etc.
FOR SALE BY JOBBERS AT MFRS. PRICES.

PRIEST'S CLIPPERS
BALL BEARINGS
Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., U.S.A.

Don't Forget the Name. . .
NEWMAN'S INVINCIBLE FLOOR SPRINGS
Strong, Quick, Reliable, Effective.
Will close a door against any pressure of wind. Far ahead of ordinary door springs, pneumatic or otherwise. Ask your wholesaler.
W. NEWMAN & SONS, Birmingham.

Oneida Community Goods
HALTERS, COW TIES SNAPS, etc., etc.,
in all sizes and styles. May be had of all jobbers throughout Canada.
Factory—NIAGARA FALLS, ONT.

A RECORD
Out of 6,000 Axes sold under guarantee in 1901 we did not have six returned broken.


Dundas Axe Works, Dundas, Ont.
W. L. Haldimand, Jr., Montreal Agent.

BOILER TUBES.—These are again higher, but it is difficult to say what the prices are.

BAR IRON.—This line continues very scarce and the demand exceeds the supply. Quotations are as follows : $1.95 to $2.05 base. Extras cut to length while rolling : 2 ft. and over, 10c. per 100 lb.; 1 ft. and under 2 ft., 15c.; under 1 ft., 20c.; over 20 ft. by special agreement, according to length and size.

BLACK SHEETS.—There is a fair amount of business being done in this line and prices are well maintained. We quote : Common, $3.15 for 28 gauge, and dead flat, $2.50 for 26 gauge.

CANADA PLATES.—The improvement in the demand noted last week continues, and prices are steady. We quote : All dull, $3 ; half polished, $3.10 ; all bright, $3.75.

GALVANIZED SHEETS.—These are still in good demand. We quote in case-lots, as follows : Queen's Head, $4.50 for 28 gauge ; American, $4.40 for 29 gauge, Bell brand, $4.20 for 28 gauge.

TIN.—There is a fair amount of business being done. The continued weakness in the outside markets has resulted in a decline of $1 locally. We quote $32 to $33 per 100 lb.

TINPLATES.—The demand has improved and stocks, locally, are being reduced. The outside markets are inactive. We quote : Charcoal, $4.75 to $5 per box, and cokes, $4.25 per box.

COPPER.—Ingot copper has been in good demand. The outside markets are still weak and buying is light. We quote : Ingot, $14 per 100 lb., and sheet copper, $22 to $23.

BRASS.—Trade continues fairly good. The discount remains at 15 per cent.

PIG LEAD.—There is an active demand for pig lead. There have been no new developments in the outside markets and buying there is of the hand-to-mouth order. We quote $3.50 to $3.75 for pig, and $5 for bar lead.

IRON PIPE.—Trade continues active and the prices are unchanged. The local stocks are light, and we now quote per 100 ft. : ¼-in., $2.40 ; ⅜-in., $2.65 ; ½-in., $2.85 ; ¾-in., $3.65 ; 1-in., $5.20 ; 1¼-in., $7.35 ; 1½-in., $8.95 ; 2-in., $12.55 ; galvanized, 1-in., $7.20. Trade discount 4 per cent.

ZINC SPELTER.—This line is quiet and quotations are unchanged at $5.50 to $6.00.

ZINC SHEETS.—There has been quite a large business in small lots during the week. We quote : Cask lots, $6 to $6.25, and part casks, $6.25 to $6.50.

SOLDER.—This line continues in good demand and prices are unchanged. We quote : Half-and-half, guaranteed, 20c.; do. commercial, 19½c.; refined, 19c., and wiping, 18½c.

ANTIMONY.—Business in this line has been quiet during the week. We quote $19.50 per 100 lb.

PAINTS AND OILS.

Trade in paints and oils during this month has been well sustained and the prices are all steady. The market is strong for linseed oil and turpentine, the latter being very high in the South, where prices have reached the highest point ever known at this time of the year. The market there is firm and stocks are kept down by deliveries on contracts, leaving very little of that article available for daily market needs. Some local houses are experiencing a falling off in the demand for raw and boiled linseed oil that they cannot account for, as trade in other lines is keeping up well. Paris green continues inactive and firm. White leads ground in oil are still active, and quite a business has been done in red leads. We quote as follows :

WHITE LEAD—Ex Toronto, pure white lead, $5.87½ ; No. 1, $5.50 ; No. 2, $5.12½; No. 3, $4.75; No. 4, $4 37½ in packages of 25 lb. and upwards ; ½c. per lb. extra will be charged for 12½-lb. packages ; genuine dry white lead in casks, $5.12½.

RED LEAD—Genuine, in casks of 560 lb., $5 to $5.12½; ditto, in kegs of 100 lb., $5.50; No. 1, in casks of 560 lb., $4; ditto, kegs of 100 lb., $4.50.

LITHARGE—Genuine, 6 to 6½c.

ORANGE MINERAL—Genuine, 7½ to 8c.

WHITE ZINC—Genuine, French V.M., in casks, $6 to $6.25; Lehigh, in casks, $6.

SHINGLE STAIN—In 5-gal. lots, 60c. to $1.20 per gal.

BENZINE—In barrel lots, 17c. per gal.; less quantities, 25c. per gal.

PARIS WHITE—90c. to $1 per 100 lb.

WHITING—65c. per 100 lb. ; Gilders' whiting, 80c.

GUM SHELLAC—In cases, 35c.; in less than cases, 40c. per lb.

LIQUID SHELLAC—Pure orange, in bbls., $2.25 to $2.35 ; white, $2.35 to $2.45 per gal.; in less quantities, 10c. extra.

PUTTY—Bladders, in bbls., $2.25 ; bladders, in 100 lb. kegs, $2 40 ; bulk in bbls., $1.90 ; bulk, less than bbls. and up to 100 lb., $2.05 ; bladders, bulk or tins, less than 100 lb., $2 90.

PLASTER PARIS—New Brunswick, $1.90 per bbl.

PUMICE STONE—Powdered, $2.50 per cwt. in bbls., and 4 to 5c. per lb. in less quantity ; lump, 10c. in small lots, and 8c. in bbls.

LIQUID PAINTS—Pure, $1.20 to $1.40 per gal.; No. 1, $1.10 per gal.

CASTOR OIL—English, in cases, 9½ to 10c. per lb. and 10 to 10½c. for single tins.

LINSEED OIL— Raw, 1 to 2 barrels, 84c.; boiled, 87c. ; 3 to 5 barrels, raw, 83c.; boiled, 86c.; 6 to 9 barrels, raw, 79c.; boiled, 84c., delivered. To Toronto, Hamilton and London, 2c. less. All quantities of 10 bbls. and over of linseed oil, sold only f.o.b. Toronto, Hamilton, London and Guelph.

TURPENTINE—Single barrels, 73c.; 2 to 4 barrels, 72c., delivered. Toronto,



NICHOLSON FILE CO.

Dominion Works, Port Hope, Canada.

Manufacturers of HIGH-GRADE HORSE RASPS

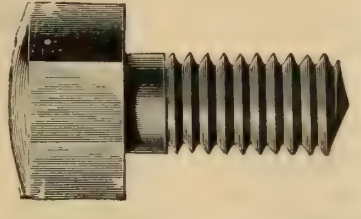
We make the following celebrated brands :

KEARNEY & FOOTE, ARCADE, AMERICAN, GREAT WESTERN, GLOBE.

Full weight—Sharp tooth—Special temper.

For sale by all prominent Hardware Merchants and Dealers in Blacksmiths' Supplies throughout the Dominion.

WALTER GROSE, Montreal, Selling Agent.



THE JOHN MORROW MACHINE SCREW COMPANY, Limited

Manufacturers of

Set and Cap Screws, Special Milled Work, Engine Studs, Etc. Cold Punched Nuts of every variety of finish.

INGERSOLL, ONT.

Hamilton and London 1c. less. For less quantities than barrels, 5c. per gallon extra will be added, and for 5-gallon packages, 50c., and 10-gallon packages, 80c. will be charged.

GLASS.

There is a good local demand for glass, and the market is steady. Our quotations are as follows: Under 26 in., $4.45; 26 to 40 in., $4 65; 41 to 50 in., $5.10; 51 to 60 in., $5.35; 61 to 70 in., $5.75; 71 to 80, $6.25; 81 to 85, $7; 86 to 90, $7.75; Toronto, Hamilton and London. Terms, 4 months, or 3 per cent. 30 days. Discount off pane price list, 33⅓ per cent.

OLD MATERIAL.

There has been a falling off in trade these last few days. The prices are unchanged. We quote: Heavy copper and wire, 10¼c. per lb.; light copper, 8c. per lb.; heavy red brass, 10c.; heavy yellow brass, 8 to 8½c.; light brass, 5c.; lead, 2¼c.; scrap zinc, 2¼ to 2½c.; iron, No. 1 wrought, $14 per net ton; No. 2 wrought, $6; machinery cast scrap, $14; stove plate, $10; malleable and steel, $6; old rubbers, 6c. per lb., and country mixed rags, 50c. per 100 lb.

HIDES, SKINS AND WOOL.

HIDES—The market this week is without feature. Our quotations are as follows: No. 1 green, 7½c.; No. 2 green, 6½c.; No. 1 green, steers, 8½c.; No. 2 green, steers, 7½c.; cured, 8 to 8¼c.

SKINS — Calfskins are very weak and dull, and prices are likely to be lower. We quote as follows: No. 1 calfskins, 10c.; and No. 2, 8c.; deacons (dairies), 60 to 70c. each; sheepskins, 80c. to $1; shearlings, 20c.

WOOL—The prices are weak and unchanged. Fleece wool is quoted at 13c. and unwashed 7c. per lb. f.o.b., Toronto.

TALLOW—This article is scarce. Quotations are 6¼ to 6½c. per lb.

COAL.

The situation is much the same as it was a week ago, the strike being still unsettled. Soft coal continues firm at the advance, and a further appreciation is not improbable. We quote at international bridges: Soft coal, $3 to $4 per ton.

PETROLEUM.

Trade in this line is steady and prices are unchanged. We quote: Pratt's Astral, 17 to 17½c. in bulk (barrels extra); American water white, 17½ to 18c. in barrels; Photogene, 17 to 17½c.; Sarnia water white, 16½ to 17c. in barrels; Sarnia prime white, 15 to 15½c. in barrels.

MARKET NOTES.

Tin has declined $1 per 100 lb.

NOVA SCOTIA MARKETS.

Halifax, June 16, 1902.

THOUGH business continues steady, and a fairly large volume is being done, the hardware trade has not been so brisk for the last week as it has been for a number of weeks past. Indeed, this is the season when the trade is expected to be a little slacker than usual, except in some lines which are only dealt in at this time of the year. However, there has been rather more business done in June so far than in the previous year, and dealers are quite satisfied with the amount that is doing, and with the trade conditions generally which prevail, both in the city and throughout the country. Payments are being satisfactorily met all around.

* * *

This is the season for haying tools and other farmers' implements, and a good trade has been done up to date. Considerable difficulty has been experienced in getting orders filled promptly by the manufacturers, and only those dealers who placed their orders very early have been able to put in their full season's stock. Jobbers who are not well supplied will have some difficulty from this date in obtaining supplies. There seems to be an unusual demand this season for farm implements and machinery. The prosperous times and abundance of money in circulation, no doubt, have a tendency to induce buying more largely. It is money that makes business move, and there seems to be a good supply of this in all parts of the country and among all classes of the people.

* * *

There is still a considerable demand for builders' materials, but the orders are smaller than in the earlier part of the season. Fishing gear is only in fair demand and prices firm. Paints and oils are still going out in considerable quantities. Linseed oil has advanced 3c. per gal., and is firm at that price. Turpentine has also been very firm, but there is no advance as yet in the local market quotations, though the primary market shows a strong advance tendency. Paris green is now in demand, as the season has come when the farmer has to fight the potato beetle and other pests injurious to crops. The metal markets are all firm, and in some lines there have been slight advances. During the season there has been a considerable demand for mill and mining machinery, as these industries are very active.

* * *

The export trade of Halifax, as indicating the general activity this season, is worthy of note. The value for the week reached $221,568, as against $157,642 for the corresponding week last year. The total from September, 1, 1901, to June 14, 1902, was $7,042,088, as against $6,598,392 for the preceding year. For last week the exports are apportioned as follows: To Great Britain, $168,134; West Indies, $33,471; United States, $9 532; Newfoundland and St. Pierre, $8,331; Italy, $2,100. As may be seen by the figures, by far the larger portion went to Great Britain, and includes large shipments of canned lobsters and lumber.

R.C.H.

MARRIAGE OF A HARDWAREMAN.

Mr. Wilber Gordon, a successful hardware merchant, of Tweed, Ont., was the other day united in marriage to Miss Ethel Johnston, daughter of Rev. Wm. Johnston, of Stirling. The bride was assisted by Miss Hattie Martin, daughter of Mr. D. Martin, hardware merchant, of Stirling. Mr. and Mrs. Gordon will reside in Tweed. HARDWARE AND METAL joins with their numerous friends in wishing them many prosperous years of wedded bliss.

PERSONAL MENTION.

Mr. F. W. Schultz, of The Animal Trap Co., Abingdon, Ill., is in Toronto this week in the interest of his firm.

KNOX HENRY

Heavy Hardware and Metal Broker
Room 32 Canada Life Bldg., MONTREAL.



Samples sent free on application.

HORSE NAILS—"C" Brand Horse - Nails Canada Horse Nail Co.

"BRASSITE" GOODS — Gunn Castor Co. Limited, Birmingham, Eng.

THE C. G. YOUNG CO.

RUBBER STAMPS

AND SUPPLIES

No. 1 Adelaide Street East - Toronto

Persons addressing advertisers will kindly mention having seen their advertisement in The Canadian Hardware and Metal Merchant.

THE BATTY STOVE & HARDWARE CO.

. . . Successors to . . .

The Toronto Branch of THE COPP BROS. CO., Limited.

—WHOLESALE DEALERS IN—

Mantels, Grates, Tiles, etc. Coal Grates. Gas Grates. Gas Logs.

HOT-AIR REGISTERS A SPECIALTY.

Stove repairs for the Copp Bros'. make of Stoves and Furnaces.

New Address—76 York St., TORONTO.



In considering who you will buy your Sterling Silver or Electro Plate from, please bear this in mind—

That We are Not in the Trust

or are we MEMBERS of any SILVERWARE ASSOCIATION or COMBINE, and are strictly a Canadian Company employing Canadian Capital and Labor.

In our Prize Cup and Medal Department we also make

Emblems, Trowels, etc.

If you have not received a copy of our Prize Cup Catalogue, if in the Trade all you have to do is to write for it.

THE TORONTO SILVER PLATE CO. Limited

Silversmiths and Manufacturers of Electro Silver Plate.

E. G. GOODERHAM, - - - Managing Director

THE TIME TO INSURE IS

NOW

While you are WELL, STRONG and INSURABLE.

THE

Confederation Life

ASSOCIATION issues policies on all approved plans of insurance, and is a prosperous and progressive Canadian Company.

PROTECTION FOR YOUR FAMILY.
PROFITABLE INVESTMENT FOR YOURSELF.

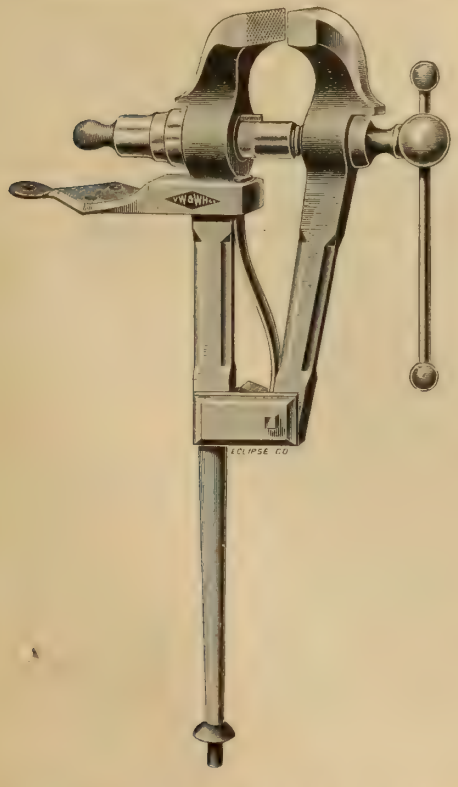
Pamphlets and full information sent on application.

W. H. Beatty, Esq., PRESIDENT.

W. D. Matthews, Esq., Frederick Wyld, Esq., VICE-PRESIDENTS.

W. C. MACDONALD, ACTUARY. J. K. MACDONALD, MANAGING DIRECTOR.

HEAD OFFICE, - TORONTO.



Winning Favor in Australia

"The engineering merchants here consider your Solid Box Blacksmiths' Vises superior in quality and workmanship to any they have ever handled. They say they are remarkably suitable, and give perfect satisfaction."

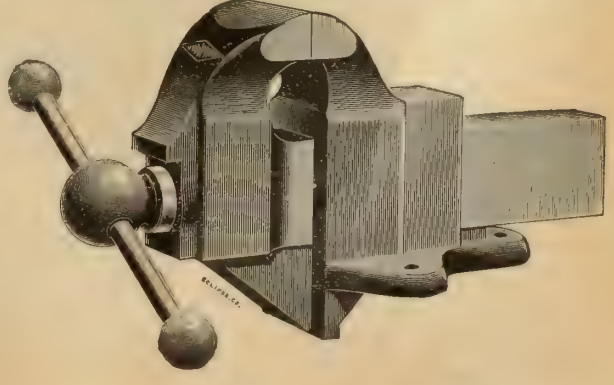
[Extract from letter received from our Australian Agents located in Melbourne.]

Our facilities are unexcelled for making

Blacksmiths' and Machinists' Vises

Modern equipment and methods, high-grade material and workmanship are combined in our plant, producing

THE BEST VISES MADE



Lamplough & McNaughton

CANADIAN SALES AGENTS

19 De Bresoles St., Montreal

Manufactured by

THE COLUMBIAN HARDWARE COMPANY

CLEVELAND, OHIO.

NEW CATALOGUE JUST ISSUED—WRITE FOR IT.

HEATING AND PLUMBING

BUILDING PERMITS ISSUED IN TORONTO.

PERMITS granted during the week in Toronto are as follows: William Crickton, for a two-storey brick residence on Smith street, for $4,000; J. J. Fraser, for a two-storey brick dwelling on Pendrith street, for $1,800; W. Marles, for a pair of two-storey stone and brick dwellings on Hamburg avenue, for $2,500; Thomas Coswell, for a two-storey brick residence on Cluny avenue, for $5,000; Mrs. J. B. Kennedy, for a two-storey brick dwelling on Perth ave., for $1,800; R. English, for two-storey brick additions to 642 and 644 Yonge street, for $750; W. T. McIntyre, for a two-storey brick dwelling on Glen Road, for $1,500; Jacob Singer, for a pair of two-storey stone and brick dwellings on Crawford street, for $3,750; E. A. Drummer, for a pair of two-storey brick dwellings at 358 and 360 St. Clarens avenue, for $1,000; Daniel Lamb, for three two-storey brick and roughcast dwellings at 404 to 408 Sumach street, for $4,000; E. A. Drummer, for two pairs and two detached brick and roughcast two-storey dwellings, for $5,000; G. W. Foster and Jno. Crawford, for alterations and brick-cladding at 99 and 101 Givens street, near Argyle street, for $500; Mrs. B. D. Larimier, for two verandahs, at 131 and 133 Avenue Road, for $285; E. J. Turner, for a two-storey brick and stone dwelling at 173 St. Clarens avenue, for $1,800; Jos. Craig, for a two-storey stone and brick house on Leslie street, for $500; Mrs. Shortreed, for addition to dwelling in rear of porch at 175 Bloor street east, for $400; E. J. Turner, for a two-storey brick dwelling at 9 Conhuy avenue, for $1,400; Conlan Bros., for a frame and galvanized iron driving house and hay loft in rear of 15 Alexander street, for $300; and Charles Leighe, for a two-storey brick dwelling at 200 Dufferin street, for $1,700.

TO PREVENT THE FREEZING OF GAS PIPES.

A simple but effective device for preventing the freezing of gas pipes is described in The Illustrirte Zeitung fur Blechindustrie, consisting merely in the insertion of a wider piece of pipe just where the conduit issues from the ground or wall. For a conduit of a diameter from $\frac{3}{8}$ to $\frac{1}{2}$ of an inch a length of from 20 centimeters to 30 centimeters of a pipe 1 inch in diameter suffices. The deposition of the water particles contained in the gas, which on leaving the works have a temperature of about 10 degrees C., naturally takes place just where the gas is subjected to the most abrupt change of temperature, i.e., on its issue from the ground. If the external temperature is sufficiently low, the deposited water immediately congeals and clogs the conduit. As soon as the gas has acquired the temperature of the conduit the deposition of water and congealing cease, and this is said to be the case a short distance beyond the first cooling point. Therefore, there should be no congealing beyond the inserted wider piece, and this piece is wide enough to accommodate a thick ice-crust and to still leave a free passage for the gas. As a matter of fact, the principle of this new method is already employed in street lamps, and with success. Anyhow, the expense involved is trifling, and it well merits a trial.

BUILDING PERMITS IN OTTAWA.

In Ottawa during the week building permits have been issued as follows: The Canadian Conservatory of Music Company, Limited, for a new conservatory of music on Albert street, to cost $7,000; Stephen Towns, for a frame dwelling on Poplar street, for $400; S. J. Davis, for a brick veneered dwelling on Patterson avenue, for $2,100; Thomas Lawson, for a frame dwelling on Veltoria street, for $1,000; James Vaughan, for two shops and dwellings on Dalhousie street, for $4,200; F. X. Talbot, for a brick-veneered dwelling on Friel street, for $1,750; R. E. Foot, for a brick-veneered dwelling on Fourth avenue, for $1,000.

CALCIUM CARBIDE VS. DAYLIGHT.

The acetylene flame has the peculiar and valuable property of being the nearest approach to the daylight of any artificial light we have, says The Plumber and Decorator. It is so nearly like that it can be used for purposes which are otherwise impossible when the sun is down. The manager of a company which manufactures artificial stone says that since his acetylene installation has been put in they have been able to accomplish the difficult task of matching natural stones by artificial light. It is also said that certain large drapery establishments have "acetylene rooms," where ribands and what not can be matched or otherwise be made to show their true colors after dark. In a large lithographic works acetylene is used for distinguishing the various yellow tints—an impossible task with either electricity or gas—and this has enabled the work and output to be rearranged to the extent of saving the cost of the installation the first year. It appears that a Californian artist uses acetylene for color mixing and painting at night, finding that color values can be judged equal to daylight, with the very important advantage that with acetylene the power of the light is unvarying, whereas daylight undergoes more or less change every hour of the day or oftener.

FIRE IN A PLUMBER'S SHOP.

Fire on Friday, June 13, did damage to the premises of W. Mashinter & Co., plumbers, 97 Adelaide street west, Toronto, to the extent of $200. The flames originated in the rear of the building and were caused by the carelessness of one of the employes, who set some oakum on fire. The fire brigade was summoned and the flames were quickly extinguished. Business is going on without interruption, and the loss is covered by insurance.

PLUMBERS PROPOSE A REMEDY.

REPRESENTATIVE master plumbers of Toronto met the civic sub-committee on water-waste prevention on the 13th inst. It was thought by the sub-committee that part of the waste might be stopped. It would cost $1,000,000 to place meters on all the services, and many of them do not yield sufficient revenue to justify the expense of maintenance, $4 per year. Many of the plumbers believed that the meter system would prevent much waste, but in a great many cases they were not practicable.

The following proposed amendments were endorsed by the plumbers:

All taps used for the drawing and shutting off of water in any premises supplied with water from the waterworks must be stamped by the city engineer, and no tap shall be hereafter attached to any service pipes which has not been so stamped by the city engineer. The city engineer shall not stamp any taps for use upon water pipes which are not acceptable to him in design and material.

The provisions of the preceding sub-section shall apply to all new taps hereafter attached to the waterworks service pipes, whether upon new work or where new taps are required to take the place of those at present in existence.

No owner, agent, tenant, plumber or other person shall place any tap on any service pipe unless so stamped by the city engineer.

A charge sufficient to meet actual cost shall be made for each tap stamped, which must be paid for in advance before the owner shall be entitled to have them stamped.

The changes would not go into effect until April 1, 1903, so that stock now on hand may be disposed of. It was proposed that the inspection of the new taps be made by a practical man, under the city engineer.

The sub-committee will hold another meeting before reporting.

CONTRACTS FOR SEWERS.

The following contracts for sewers were awarded at Hamilton on the 6th inst.: Bay street, D. Newlands, 34½c. per foot; Strachan street, J. Armstrong, 37c. per foot; Wilson street, D. Newlands, $1.07 per foot; Bay street, J. Garvey, 87c. per foot; Sandford avenue, J. Armstrong, 64½c. per foot.

SOME BUILDING NOTES.

A Methodist church will be erected at Athens, Ont.

Fred Howard is building a brick house at St. George, Ont.

A new church will be erected by the parish of St. Mary's, Montreal.

A new building for the Canadian Bank of Commerce will be built at Dundas, Ont.

A parish hall is being built in connection with St. George's Church, Sydney, C.B.

A. McCormack, jr., is building a residence on Richmond street, below Horton street, London, Ont.

A large four-storey brick building is being built for David Spencer on Government and Broad streets, Victoria, British Columbia.

WINDOW GLASS



When you want to buy window glass or picture glass, Star, Diamond or Double, send along your specification. Heavy stocks in all sizes regularly carried by us and we are ready to quote on any quantity; also 26 and 32 oz Ornamental and Rolled Glass, and your sorting-up paint orders can go along at the same time.

A. RAMSAY & SON MONTREAL — EST'D 1842 — PAINT MAKERS GLASS IMPORTERS

Booth Copper Co., Limited

Cuts Copper and Brass

SHEETS—TUBES—RODS

to any size.

FULL STOCK ALWAYS ON HAND.
PROMPT SHIPMENTS.

The BOOTH COPPER CO., Limited

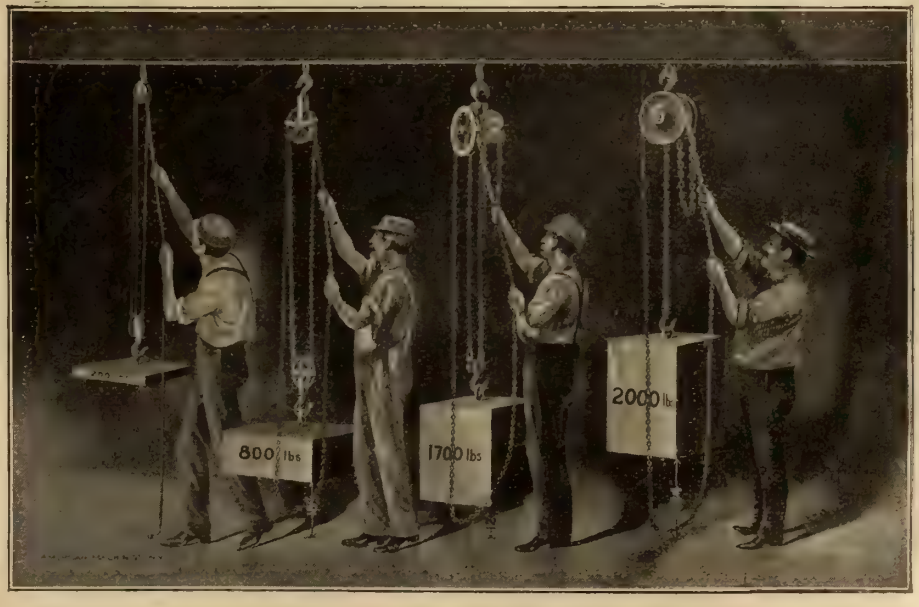
119-123 Queen St. East,

TORONTO.

The Yale and Towne Blocks.

OCT 16 1902 RETURN

The Triplex Block used 1 hour daily saves 300 hours or 30 days each year.



Easier work for the man who pulls the chain, and an additional saving through the prompt delivery to the waiting machine.

DIFFERENTIAL. DUPLEX. TRIPLEX.

Half a minute's labor with Yale and Towne Blocks. A story without words.

SEND FOR PRICES. NO TROUBLE TO ANSWER INQUIRIES.

THE FAIRBANKS COMPANY, - Montreal.

PLUMBERS' STRIKE IN TORONTO.

AN open rupture has resulted from the trouble between the journeymen and master plumbers of Toronto.

For some time past the men have been discussing and agitating for an advance in their pay from the present rate of 27½ to 32½c. per hour to a minimum wage of 37½c. per hour, notwithstanding that under an agreement that does not expire until January 1, 1901, they had bound themselves to adhere to the present scale of wages. At the time this arrangement was made, the journeymen plumbers and gas fitters expressed themselves as well satisfied with their bargain and for over a year have been enjoying the increased pay and privileges obtained by it. So, when they approached their employers last week, asking for another advance, a meeting of the grievance committee, consisting of five men from each of the associations, was held on June 1, but no compromise was arrived at.

A special meeting of the Master Plumbers' Association was held on Friday evening, June 13, to consider the problem and decided to refuse the demands of their employes, urging that no reason of any importance was given why the present contract should be violated, and that, relying on the agreement, many of them had tendered for work they will be compelled to perform.

In the face of all this at a meeting of the Plumbers, Steam and Gas Fitters' Union on the evening of June 16, the men decided to go on strike the next day. The only reason given for breaking this contract by the men is that living is much more expensive than it was a year ago. So on the morning of June 17 about 250 plumbers and gas fitters in Toronto laid down their tools and quit work.

This action is regarded by the employers as wholly unreasonable, and at a conference between a committee from the master plumbers and the executive of the union on June 18, the employers declared that they were prepared to stand or fall by the agreement entered into by both parties, of which mention has been made above. The men, on the other hand, asserted that they would remain out until their demand for an increase is complied with.

The master plumbers were represented by Messrs. Robt. Ross, W. Mansell, J. H. Wilson, G. Clapperton and W. J. McGuire.

The Master Plumbers' Association will hold a meeting next Monday night, June 23, to map out a plan of action.

Indignation is expressed on all sides at the action of the men and there comes up the question of the validity of agreements entered into between employers and unions. Not long ago it was decided in a United States court that such an agreement is a contract which, if violated by the union, leaves it liable for damages, and an English court recently gave a similar decision, causing quite a stir in labor circles.

For the benefit of all our readers we publish below a copy of the contract just broken by the Union of Journeymen Plumbers, Steam and Gas Fitters.

THE AGREEMENT.

The agreement entered into by the Journeymen and Master Plumbers, Steam and Gas Fitters' Associations, in the city of Toronto, March 19, 1901, is as follows:

Clause 1. The hours of labor shall be from 8 a.m. to 5 p.m. with one hour for dinner. Saturday, 8 a.m. to 12 noon.

2. The minimum rate of wages shall be 27½c. per hour; and the men now receiving 27½c. per hour to get 30c., those getting 30c. to get 32½c. per hour, and that to be the maximum rate.

3. All overtime to be paid at the following rates: Saturday afternoon, time and one half; from 5 p.m. to 7. a.m. time and one half; and statutory holidays and Sundays, double time.

4. Wages to be paid before 5.15 p.m. on Fridays or 12.15 noon on Saturdays, on pay week, with a recommendation that every second Friday be pay day.

5. Time spent to and from out-of-town work, during working hours only, to be paid at the usual rate of wages, and if travelling all night a sleeper will be provided by employer.

6. All expenses for board and fares on out-of-town work to be paid by employer.

7. In case of any grievance arising, said grievance shall be referred to a committee of five from each association; committee to meet within three days of notice thereof, the committee to have full power to settle same.

8. That no plumber, steam or gas fitter shall perform any labor pertaining to his trade or put in any material supplied by or for other than his employer, who shall be a bona fide master plumber, steam and gas fitter, and a member of the Master Plumbers, Steam and Gas Fitters' Association, but no enforcement of same to take place before being sanctioned by a joint meeting of the grievance committee of both associations, and three months to be given from date of signing this agreement.

9. The members of the Master Plumbers, Steam and Gas Fitters' Association agree to employ none but members of the Journeymen Plumbers, Steam and Gas Fitters' Association.

10. That no boy at either trade be allowed a kit of tools until he has served three full years at the trade.

11. That the time for the enforcement of this agreement takes effect from the first day of April, 1901, and to stay in force until the first day of January, 1904, and should either party to this agreement wish to change, add, or amend the above, they shall give at least three months' notice in writing prior to the termination of the agreement.

Signed on behalf of the Master and Journeymen Plumbers, Steam and Gas Fitters' Associations.

MASTER PLUMBERS.	JOURNEYMEN PLUMBERS.
James H. Wilson,	Arthur Davis,
W. J. McGuire,	Walter N. Brayben,
Wm. Mansell,	David Bell,
Harry Hogarth,	Terry McCann,
Kenneth J. Allison.	Herbert Johnson.

PLUMBING AND HEATING CONTRACTS.

Guest & Co., 86 Church street, have secured the contract for overhauling and heating the dwelling of the late Senator Frank Smith, Bloor street, Toronto.

The Purdy, Mansell Co., Adelaide street west, Toronto, have contracts for plumbing in the following houses: Stephen Haas, Madison avenue; Bacon estate, Elgin avenue, eight houses; T. G. Bright, Ross street; Isaac W. Plewes, Wells street.

DISPUTE OVER PLUMBING.

Before Judge Morson in the Division Court, Toronto, on June 12, T. J. Nixon, plumber, sued J. R. McKenzie, builder, for $25.55 damages for alleged breach of contract. Mr. McKenzie put in a counter claim for $25 damages as he had, he said, to pay another plumber to finish the job. Much evidence on both sides was submitted, after hearing which Judge Morson gave judgment against McKenzie for $5.55, the counter claim being dismissed.

CONDENSED OR "WANT" ADVERTISEMENTS.

Advertisements under this heading, 2c. a word each insertion; cash in advance. Letters, figures, and abbreviations each count as one word in estimating cost.

WANTED

TINSMITH WANTED—CAPABLE MAN, STATE wages. J. B. FURNISS, Sunderland, Ont. (25)

MANUFACTURER'S AGENT WANTED TO carry samples for the manufacturer of a knife-cleaning machine, new in Canada, but requiring little introduction. BOX 94, HARDWARE AND METAL, Toronto. (25-3)

A FRENCH FIRM DESIRES WRITTEN PROposals for castings by cold air with coke and charcoal, for the manufacturing of wheels of tempered steel for wagons, tramways, ore, etc. Address, Shermite, 51 rue Saint Martin, Soissons, France. (25-2)

HARDWARE SALESMAN. KNOWLEDGE OF mill supplies, as well as general hardware, required. Must speak both languages. Apply at once, with references, to Box 9, HARDWARE AND METAL, 232 McGill street, Montreal. (25)

BUSINESS FOR SALE.

HARDWARE business in Western Ontario City, established five years. Annual sales $12 000. Well assorted stock of $4,500. Store rental low and expenses light. Good chance for live man who wishes to change his location. Address, Box 91, HARDWARE AND METAL, Toronto. (24-3)

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY, MONTREAL.



PAINTS We manufacture these brands:—"LION," "PEERLESS," "OWL," "RAVEN," also Ready-mixed House and Floor Paints, Roof, Barn, Bridge and Brick Paints, Coach Colors, Varnishes, Japans, etc. Our prices will interest you. Write us.

The Ottawa Paint Works, Ottawa, Ont.

WANTED-- AN AGENT TO SELL

Stocks, Dies and Taps and other Engineers' Hand Tools and Platelayers' Tools to Hardware Factors, Railroad Companies and Mines, on a commission basis. Apply,

Easterbrook, Allcard & CO., LIMITED.

SHEFFIELD, ENGLAND.

BARGAINS IN SECOND-HAND ENGINES.

Horizontal Slide Valve Engines,
One Cylinder 4 in. x 5 in. stroke
One Cylinder 8 in. x 10 in. stroke
One Cylinder 8 in. x 12 in. stroke
One Cylinder 5¼ in. x 6 in. stroke
One Cylinder 8 in. x 8 in. stroke
Vertical Slide Valve Engines,
One Cylinder 3 in. x 5 in. stroke
One Cylinder 7½ in. x 10 in. stroke
One Cylinder 7 in. x 16 in. stroke
One Cylinder 7½ in. x 18 in. stroke
Peerless Self-Oiling, High-Speed Engines,
One Cylinder 10 in. x 10 in. stroke
One Cylinder 11 in. x 10 in stroke
One Vertical Marine Engine,
Cylinder 4½ in. x 6 in. stroke
One Vertical Marine Engine, Cylinder 4 in. x 4 in. stroke
One Vertical Marine Engine, Cylinder 9 in. x 9 in. stroke
One Triple Expansion Marine Engine,
Cylinder 7 in. x 10¾ in. and 16¾ in. x 8 in.
One Steeple Compound Marine Engine,
Cylinder 7½ in. and 14 in. x 12 in.
One Double Cylinder Gasoline Marine Engine, 4 H. P.
One Stationary Horizontal Gasoline Engine, 3 H.P.
One Otto Silent Gas Engine, Cylinder 9 in. x 16 in.
One Otto Silent Gas Engine, Cylinder 5¾ in. x 11 in.

Write for descriptions and prices on anything in the machinery line.

H. W. PETRIE, 141-145 Front St. W., Toronto

McArthur, Corneille & Co.

MONTREAL

Manufacturers and Importers of . . .

White Lead,
Oils and Colors,
Prepared Paints,
Window Glass,
Varnishes, etc.

Glue and Gelatine

In extensive assortment, to suit all requirements.

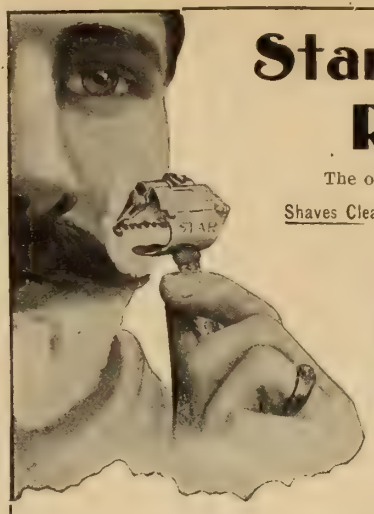
WILL BE PLEASED TO SUBMIT SAMPLES AND PRICES.

SELLING AGENTS IN CANADA

For the GENUINE
Imperial French Green
of JOHN LUCAS & CO., PHILADELPHIA.

And CELEBRATED
ENGLISH VARNISHES
of CHAS. TURNER & SON, LONDON.

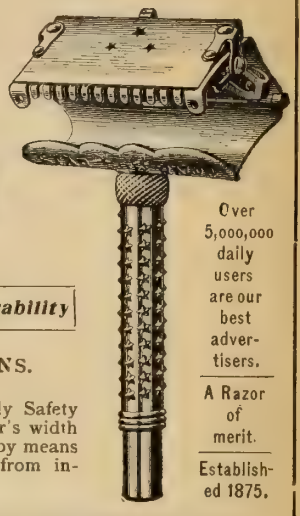
Please mention HARDWARE AND METAL when writing.



Star Safety Razor.

The original and best Safety.

Shaves Clean Saves Time Never Pulls



A Marvel of Simplicity and Durability

BEWARE OF IMITATIONS.

The Three Star Safety is the only Safety Razor that can be adjusted to a hair's width by anybody to suit any face or beard by means of adjusting screws, fully protected from infringers by the U.S. Circuit Court.

Over 5,000,000 daily users are our best advertisers.

A Razor of merit.

Established 1875.

For sale by all leading dealers throughout Canada.
Rock bottom prices upon application to

KAMPFE BROS.,

INVENTORS AND MANUFACTURERS,

8 Reade Street - NEW YORK CITY

ESTABLISHED 1860. INCORPORATED 1895.

Here's Something New FOR . . . SUMMER COOKING

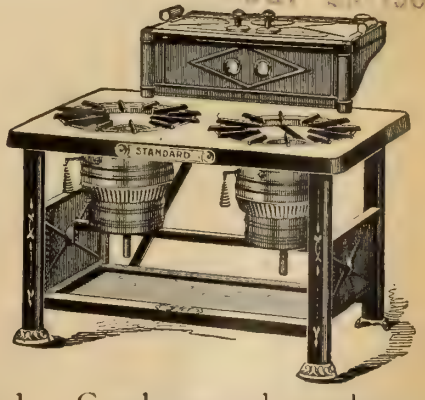
THE HANDIEST, CLEANEST, SAFEST, COOLEST AND MOST ECONOMICAL SUMMER COOK STOVE EVER SOLD.

RETURNED SEP 20 1902

The "STANDARD"

Wickless Blue Flame Oil Stove

(Burns Ordinary Kerosene)



combines the efficiency of the coal range and the convenience and comfort of the gas range at a fraction of the expense of either. An absolutely safe and clean stove; will not smoke or get greasy; can't explode. Can be moved anywhere.

Made in large and small sizes. Write for catalogue.

THE THOS. DAVIDSON MFG. CO., Limited

General Agents, MONTREAL, CANADA.

"THE BLACK PRINCE"

That is a brand of horse nails we are confronted with just now. We propose to give it a little free advertising, and our friends some information. The "Black Prince" is the Prince of Darkness as his prototype the Devil is. They both want watching. The horse nail brand bearing this title is one that the makers evidently are ashamed to put their name on in conjunction. Why? Because they are not good enough in their own opinion. They sell them down South and are known in the trade as "nigger nails." Anything is good enough for niggers—and Canadians—they think.

We challenge The Capenell Nail Co. who make this nail to send in their regular goods at their regular prices obtained by them in their own market which is double what they are asking the Canadian buyer for their "Black Prince."

Every box of Yankee nails you buy displaces a share of Canadian money to American workmen. Canadian horse nails for Canadians should be your watchward, and above all that the old reliable "**C**" brand which has served you so faithfully for 37 long years should have your preference as they are better and don't cost you any more than the Yankee "nigger nails."

Canada Horse Nail Company

MONTREAL.

SMALLER PIG IRON OUTPUT.

THE current issue of the Iron Age contains the usual monthly summary of blast furnaces in action on June 1. Following are extracts:

"The troubles in the Shenango and Mahoning Valleys led to the banking and blowing out of a number of furnaces in the last days of May and on the first day of June, so that the furnace capacity active on entering the current month was temporarily reduced quite sharply. This is reflected in our monthly returns. Since then the majority of the furnaces have resumed work, so that probable production is now proceeding at quite the normal rate of over 1,500,000 tons per month.

"Our statistics show that the May output was 1,570,243 gross tons, the month having 31 days.

"The weekly capacity of the furnaces in blast on June 1 compares as follows with that on the preceding periods:

	Total capacity per week. Gross tons.	Coke capacity per week.	Charcoal capacity per week.
June 1, 1902	344,748	337,492	7,256
May 1	352,034	345,6.7	6,437
April 1	337,424	331,140	6,284
March 1	323,028	316,039	6,989
February 1	332, 45	32 ,440	6,605
January 1	298,460	291,992	6,468
December 1, 1901	324,761.	3 7,358	7,403
November 1	320,824	313,775	7,049
October 1	307,982	300,538	7,444
September 1	299,861	293,256	6,605
August 1	303,847	297,.09	6,578
July 1	310,950	303,793	7,157
June 1	314,505	306,991	7,514

"The position of furnace stocks, sold and unsold, was as below on June 1, as compared with the five preceding months, the same furnaces being represented as in former months. This does not include the holdings of the steel works producing their own iron:

FURNACE STOCKS:

Stocks—	Jan. 1.	Apl. 1	M y 1.	June 1.
Anthracite and coke	179,993	69,974	63, 83	5 ,939
Charcoal	38,091	23,289	20, 76	10,677
Total	218,084	93,263	83,859	62,616

"The sharp decline in the stocks of charcoal iron is noticeable."

FEELING THE PUBLIC PULSE.

An immense increase of business in Western Ontario has shown the United Factories, Limited, the advisability of greater shipping facilities. To meet the great and growing demand for its standard goods this firm (embracing Boeckh's Toronto factories, Bryan's London factories and Cane's Newmarket factories), has greatly enlarged and remodelled its London offices and warerooms. Dealers will be glad to know that prompt shipment of Bryan's brushes, Boeckh's brooms and Cane's woodenware can now be assured upon direct application to this branch, 65 Dundas street, London, Ont.

CORONATION DAY, THURSDAY, JUNE 26, 1902.



The Canada Paint Company (Limited), beg to inform the trade and friends generally that their works and offices will be closed and no business transacted on Coronation Day, Thursday, June 26, 1902.

THE CANADA PAINT COMPANY,

Limited,

MONTREAL and TORONTO.



SELLING AT LESS THAN COST

Goods that are soiled or rusted is a needless sacrifice, when you can have them

REPLATED LIKE NEW

at a very little expense, and get your regular price for them.

Let Us Give You Prices.

We replate and polish all kinds of metal goods, shelf hardware, bicycle parts. Write us and we will give you **Low Rates for Good Work.**

MOORE & ORR, ELECTRO PLATERS

81 Adelaide W., TORONTO.

IDEAL WOVEN WIRE FENCING

The latest improved up-to-date Wire Fencing. Made entirely from No. 9 hard spring wire, ensuring strength and durability. Agents wanted.



The McGregor, Banwell Fence Co., Limited
WINDSOR, ONT.
COILED SPRING AND OTHER FENCE WIRES.

FRANK MILLER'S

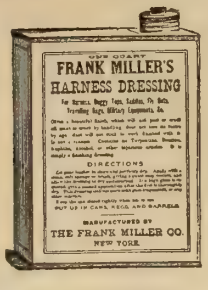
HARNESS PREPARATIONS.

FRANK MILLER'S

HARNESS DRESSING

Recognized as **"THE STANDARD."**

Produces a brilliant jet-black gloss which will not peel or smut and to which dirt will not stick.





Frank Miller's

Harness Soap

Unrivaled for cleaning and softening Harness. Put up in cakes, pans, boxes and tubs.

FRANK MILLER'S

Harness Oil.

Preserves and softens the leather, thus adding life.

The highest quality of oil on the market.



THE "CANDAPER" ROLL HOLDER.

—Best Working Cutter
—and Holder Made.

The up-to-date dealer does not use the old method of stringing up his paper. He uses the "Candaper."

Solid steel throughout, spring knife, polished nickle.

CANADA PAPER CO., Limited
TORONTO and MONTREAL.

The Oshawa Wire Fence Co.

OSHAWA, ONT. Limited

Manufacturers of...

Woven Wire Fencing, Gates, Etc.
Also Dealers in Galvanized Fence Wire.

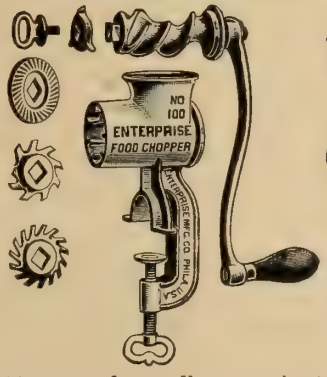


Agents wanted Send for catalogue and prices.

ENTERPRISE on an article is a Guarantee of QUALITY

ENTERPRISE

FOOD CHOPPERS



Four Knives with each Machine

No. 100, *chops 2 lbs. per minute,* **$1.50**
No. 300, *chops 3 lbs. per minute,* **$2.25**

Sell every Day in Year

GUARANTEED TO CHOP RAW MEAT

Illustrated Catalogue FREE *Order through your Jobber*

Bone, Shell & Corn Mill



No. 750, $7.50

Meat Juice Extractor



No. 21, $2.50

Cherry Stoners

5 Sizes & Styles



No. 1, $7.50 doz.

Rapid Grinding & Pulverizing Mills

45 Sizes & Styles for Hand & Power, $1.25 to 300.00



No. 2½, $4.75

New York Branch, 10 Warren Street

The Enterprise Mfg. Co. of Pa., Philadelphia, Pa.

San Francisco Branch, 105 Front Street

TRADE OPPORTUNITIES IN NEW ONTARIO.

By "Traveller."

IT seems marvelous that Canadians should have known so little a very few years ago of the value of the resources of their own country. It is true that the great development to the south of the line has brougbt about such a consumption of raw material that in relation to many substances the supply has grown short. Of pulp wood, for instance, and of all kinds of timber, of chrome iron and asbestos, this is eminently true. The creation of a new market for many of these substances has been the cause of many openings presenting themselves in the new districts of Canada, notably in New Ontario, the development of whose water-powers, and timber and mineral wealth, has already built up many small towns as well as such places of importance as Sault St. Marie and Sudbury.

One is struck by the great difference in prices that obtains between this New Ontario and Old Ontario. Take such a necessary article as bricks. They are difficult to get anywhere from Algoma Mills to Sault St. Marie for less than about $19 per 1,000, and yet there is plenty of clay, cheap fuel, sand and labor, although the latter costs a little more than in the east, but the difference in price of labor is nothing compared to the difference in price of bricks between that section and further east. The same can be said of poultry, vegetables, butter and many other articles, of which there is a large importation into the country. Lumber, too, in spite of the large local supply, is high in price.

There is a good opening for a sawmill on the Mississaga River at Dean Lake or Dayton Station, and another for a hardwood mill north of Desbarats.

Sault Ste. Marie, Bruce Mines, Victoria Mines and Sudbury are great markets for garden stuff of all kinds. The neighborhood of these mines is not fitted for gardening, owing to the fact that fumes from the blast furnaces and roasting heaps destroy all vegetation. One would have to go more than five miles away to be rid of the influence of the gases. Points 30 miles away from these centres are just as advantageously situated as those nearer, as the railway rates for milk and all products of the garden are less than it costs to drive five miles in a clay country with occasional very bad roads.

Both the Canadian Pacific Railway and the Algoma Central Railway have officials who attend to the developing of the country and are ready to give information about these openings. Our own knowledge leads us to class as among the best places offering good openings, North Bay, Sturgeon Falls, the country both north and south of Warren Station, particularly the French River valley, Massey, Webbwood, the country north of Dean Lake and Dayton, and Desbarats, and the country north of Echo Bay and Garden River. It would be well for the intending pioneer to correspond with the railway officials above mentioned before starting, so as to get some detailed information as to their particular requirements. Their addresses are "The Colonization Agent, Canadian Pacific Railway, Montreal," and "The Land and Labor Agent, Algoma Central Railway, Sault Ste. Marie, Ont."

There is an opening for a store and hotel combined at Dayton Station, a tinsmith would find an opening at Desbarats, and a saddler would also do well at the latter place.

It seems almost needless to say that the fisherman and hunter can find a territory after their own hearts' desire in this region.

The climate of the North Shore of Lake Huron is almost identically the same as that of Peterboro' or Montreal, but drier than Montreal, owing to a higher elevation.

OPENING FOR MANUFACTURERS' AGENT.

The manufacturer of a knife-cleaning machine, whose advertisement is running in HARDWARE AND METAL, is making inquiries of us regarding a manufacturers' agent to represent them in Canada. These machines are in general use in the Old Country, but have not yet been introduced to the Canadian trade. Any manufacturers' agent who would like further information may have the same by dropping a line to the editor of HARDWARE AND METAL.

A CHANGE IN A WINNIPEG FIRM.

Mr. E. S. Cooper, of Galt, Ont., has arrived in Winnipeg to join Mr. James Burridge in the late firm of The Burridge Co., agents for the Goldie & McCulloch Co., Galt, Ont.

Mr. Cooper has long been associated with The Goldie & McCulloch Co., as salesman and manager of their gasoline engine department, and is also thoroughly experienced in the other lines of their business.

Mr. Cooper will take the active management of the outside work of the new firm, Burridge & Cooper, and within a few weeks, it is expected, they will open out and carry a large stock of the product of The Goldie & McCulloch Co., Galt, Ont., of the different lines of machinery, safes and vault doors, which they make, and we bespeak for the new firm a prosperous career.

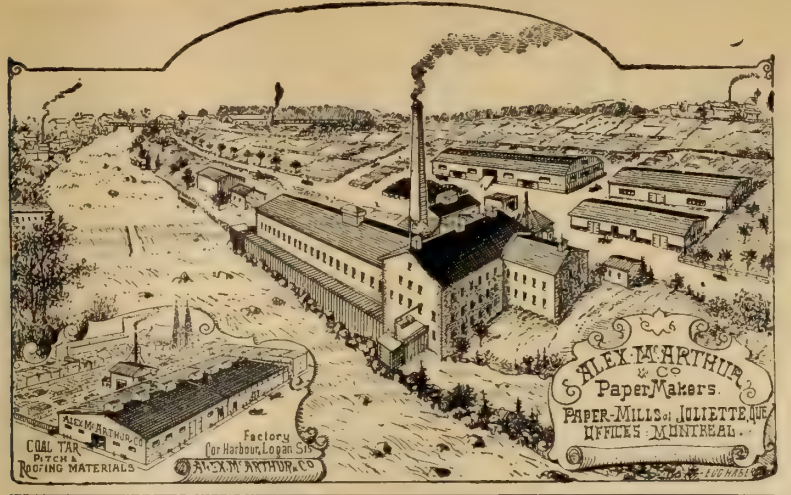
Mr. Burridge has been identified with the business community of this country for over 23 years, and we are satisfied that Burridge & Cooper will make a success of the above business.

They expect to extend their business from Port Arthur, Ont., to Victoria, B.C., and will be prepared to furnish estimates on complete power plants, flour mill machinery, planing mill outfits, and transact a general machinery business.

Apollo galvanized iron commands more money and shorter credit—at wholesale—than any other—but saves the worker money.

American Sheet Steel Company, New York

Representatives for Canada
B. & S. H. Thompson & Company
53 St. Sulpice Street
Montreal



Bell Telephone, - - Main 208.
Merchants' - - - 311.

P. O. Box 839.

ALEX. McARTHUR & CO.

—MANUFACTURERS—

2 & 3-Ply Ready Roofing,
Building Papers,
Sheathing and Carpet Felt,
Coal Tar Products.

Hanging and Print Paper,
Brown and Manilla Wrapping.

Paper Mills: Joliette, Que.
Felt Factory: Harbour and Logan Sts, Montreal.
82 McGill Street, Montreal.

It will pay intending purchasers to obtain our prices before buying.

CURRENT MARKET QUOTATIONS

June 20, 1902.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag and Straits—	
56 and 28 lb. ingots, 100 lb.	32 00 33 00

Tinplates.

Charcoal Plates—Bright	Per box
M. L. S. equal to Bradley	
I.C., usual sizes	$6 75
I.X., "	8 25
I.X.X., "	9 75
Famous, equal to Bradley—	
I.C.	6 75
I.X	8 25
I.X.X	9 75
Raven & Vulture Grades—	
I.C., usual sizes	5 00
I.X., "	6 00
I.X.X "	7 00
I.X.X., "	8 00
D.C., 12½x17	4 50
D.X.	5 25
D.X.X	6 00

Coke Plates—Bright	
Bessemer Steel—	
I.C., usual sizes, 14x20	4 25
I.C., special sizes, base	4 75
20 x 28	9 00

Charcoal Plates—Terne	
Dean or J. G. Grade—	
I.C., 20x28, 112 sheets	8 50
I.X., Terne Tin	10 50

Charcoal Tin Boiler Plates	Per lb.
Cookley Grade—	
X X., 14x56, 50 sheet bxs " 14x60, " " 14x65, "	0 06½
Tinned Sheets	
72x30 up to 24 gauge	8 00
" 26 "	8 50

Iron and Steel.

Common Bar, per 100 lbs	1 95 2 05
Refined "	2 45
Horse Shoe Iron "	2 40
Hoop steel, 1½ to 3 in. base,	2 90
Sleigh Shoe Steel " base	2 10
Tire Steel	2 30 2 50
Reeled Machinery	3 00
Toe Calk Steel	2 85 3 00
T. Firth & Co's tool steel, per lb	0 12½ 0 13
Jessop's tool Steel	0 14
Morton's tool steel	0 12½ 0 13
Black Diamond and "B.C." tool steel	0 10 0 11
Chas. Leonard's tool steel	0 08 0 09
Park's "silver" tool steel	0 12 0 14
" "special "	0 15 0 20
Jonos & Colver's tool steel	0 8 0 15
" " "air hardening"	0 30 0 50
Drill Steel, per lb	0 08 0 10

Boiler Tubes.

	Per foot.
1½, 1¾, and 4 inch	0 1
2½ in.	0 17½
3 "	0 14

Steel Boiler Plate.

¼ inch	2 50 2 60
9-16 inch	2 60 2 70
⅝ inch and thicker	2 50 2 60

Black Sheets.

	Com.	D. Fl.
18 gauge	2 85	3 00
20 gauge	2 85	3 00
22 to 24 "	2 95	3 25
26 "	3 05	3 50
28 "	3 15	....

Copper Ware.

Discount, 50 per cent.

Canada Plates.

All dull, 52 sheets	3 00
Half polished	3 10
All bright	3 75

Black pipe— Iron Pipe.

	Per 100 Feet.
⅛ inch	2 90
¼ "	2 40
⅜ "	2 65
½ "	2 85
¾ "	3 65
1 "	5 20
1¼ "	7 35
1½ "	8 95
2 "	12 55
2½ "	24 00
3 "	28 00
3½ "	36 00
4 "	43 00
4½ "	48 00
5 "	57 00
6 "	73 00

Galvanized pipe—	
¼ inch	3 20
⅜ "	3 45
½ "	3 85
¾ "	5 00
1 "	7 20
1¼ "	10 05
1½ "	12 10
2 "	16 85

Discount 4 per cent.

Malleable Fittings—Discount 40 p.c.

Cast Iron Fittings—

On all Cast Iron Fittings, including plugs, bushings, unions and nipples, 6 p.c. dis.

All others—discount 60 p.c.

Galvanized Sheets.

	G C. Comet.	Amer.	Queen's Head.
16 gauge	....	....	....
18 to 24 gauge	4 05	3 75	4 05
26 "	4 25	4 00	4 25
28 "	4 50	4 25 *4 40	4 50

Less than case lots 10 to 15c. extra.

*29 gauge.

Chain.

Proof Coil, 3-16 in., per 100 lb	....
" ¼ " "	7 85 8 10
" 5-16 " "	5 25 5 50
" ⅜ " "	4 50 4 75
" 7-16 " "	4 25 4 50
" ½ " "	4 25 4 50
" 9-16 " "	4 05 4 50
" ⅝ " "	4 00 4 50
" ¾ " "	4 00 4 50

Halter kennel and post chains, 40 to 40 and 5 p.c.

Cow ties..... 40 p.c.

Tie-out chains..... 65 p.c.

Stall fixtures..... 35 p.c.

Trace chain..... 45 p.c.

Jack chain, iron, single and double discount 35 p.c.

Jack chain, brass single and double, discount 40 p.c.

Copper.

	Ingot	Per 100 lb.
English B. S., ton lots	....	14 00
Lake Superior	....	....

Bars.

Cut lengths round, ½ to ⅞ in.	23 00 25 00
" round and square 1 to 2 inches	23 00 25 00

Sheet.

Plain, 14 oz., and light, 16 oz., 14x48 and 14x60	22 00 22 50
Plain, 14 oz., and light, 16 oz., irregular sizes	22 50 23 00
Tinned copper sheets	.... 24 00
Planished	.... 32 00

Braziers (In sheets.)

4x6 ft. 25 to 30 lbs. ea., per lb.	.... 0 23
" 35 to 45 " "	.... 0 22
" 50-lb. and above, "	.... 0 21

Boiler and T. K. Pitts

Plain Tinned, per lb	.... 0 28
Spun, per lb	.... 0 32

Brass.

Rod and Sheet, 14 to 30 gauge, 15 per cent.	
Sheets, hard-rolled, 2x4	.... 0 23
Tubing, base, per ft.	.... 0 23½

Zinc Spelter

Foreign, per lb	5 50 6 00
Domestic "	.... ..

Zinc Sheet.

5-cwt casks	6 00 6 25
Part casks	6 25 6 50

Lead.

Imported Pig, per 100 lb	3 50 3 75
Bar, b	.... 0 05
Sheets, 2½ lbs. sq. ft., by	.... 0 06¼
Sheets, 3 to 6 lbs., "	.... 0 06

NOTE.—Cut sheets ½ cent per lb. extra.

Pipe, by the roll, usual weights per yard, lists at 7c. per lb. and 37½ p.c. dis. f.o.b. Toronto.

NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths lists at 8 cents.

Shot.

Common, $6.50 per 100 lb.; chilled, $7.00 per 100 lb.; buck, seal and ball, $7.50. Discount, 22½ p.c. Prices are f.o.b. Toronto, Hamilton, Montreal, St. John and Halifax. Terms 3 per cent. cash, freights equalized.

Soil Pipe and Fittings.

Discount, 60 p.c. on medium and extra heavy, and 55 p.c. on light soil pipe and fittings.

Solder.

	Per lb.	Per lb.
Bar half-and-half, guarant'd	....	0 20
Bar half-and-half, commer'l	....	0 19½
Refined	....	0 19
Wiping	....	0 18½

Antimony.

Cookson's, per lb	.... 9 50

White Lead.

	Per 100 lb.
Pure	5 87½
No. 1	5 50
No. 2	5 12½
No. 3	4 75
No. 4	4 37½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B B. Genuine	7 00
" " No. 1	6 00

Red Lead.

Genuine, 560 lb. casks, per cwt.	$4 75
Genuine, 100 lb. kegs, per cwt.	5 00
No. 1 60 lb. casks, per cwt.	4 25
No 1, lb kegs, per cwt	4 50

White Zinc.

Extra Red Seal	0 06 0 08
No. 1	0 05½ 0 07
No. 2	0 05 0 06

Dry White Lead.

Pure, casks	5 25
Pure, kegs	5 50
No. 1, casks	5 00
No. 1, kegs	5 25

Prepared Paints

In ¼, ½ and 1 gallon tins.

Pure, per gallon	1 25
Second qualities, per gallon	1 10
Barn (in bbls.)	0 60 0 90
The Sherwin-William Paints	1 40
Canada Paint Co's Pure	1 25
Toronto Lead & Color Co's Pure	1 25
Sanderson Pearcy's Pure	1 20
Stewart & Wood's Champion Pure	1 20

Colors in Oil.

25 lb. tins, Standard Quality.

Venetian Red, per lb	0 04½ 0 06
Chrome Yellow	0 12 0 14
Golden Ochre	0 08 0 10
French "	.... 0 06
arine Black	.... 0 09
Chrome Green	.... 0 10
French Imperial Green	.... 0 12
Sign Writers' Black	.... 0 16
Burnt Umber	.... 0 11
" Sienna	.... 0 11
Raw Umber	.... 0 11
" Sienna	.... 0 11

Colors, Dry.

Common Ochre bbls	1 20 1 30
Yellow Ochre J.F.L.S.), bbls	.... 2 00
Yellow Ochre (La Belle)	1 15 1 25
Brussels Ochre	.... 2 00
Venetian Red (best), bbl	1 75 2 00
English Oxides, per cwt.	3 00 3 25
American Oxides, bbls.	1 25 2 00
Canadian Oxides, 1 bls.	1 25 1 75
Super Magnetic Oxides, 93 p.c.	2 00 2 25
Burnt Sienna, pure, per lb	.... 0 10
" Umber, " "	.... 0 10
Raw do	.... 0 09
Drop Black, pure	.... 0 09
Chrome Yellows, pure	.... 0 18
Chrome Greens, pure, per lb.	0 09 0 10
Golden Ochre	0 04 0 05
Ultramarine Blue in 28-lb. boxes, per lb	0 06 0 18
Fire Proof Mineral, per 100 lb	.... 1 00
Genuine Eng. Litharge, per lb	.... 0 07
Mortar Color, per 100 lb	1 25 1 50
Pure Indian Red, No. 45 lb.	0 08 0 10
Whiting, bbl	0 55 0 60
English Vermillion in 20-lb. bags.	0 95

Paris Green.

	per lb.
Petroleum Casks	0 16½ 0 18
Arsenic Kegs	0 17 0 19
50-lb. and 100-lb. drums	0 18½ 0 19½
25-lb. drums	0 19 0 20
1-lb packages	0 20 0 20½
½-lb. do	0 22 0 22½
1-lb. tins	....
½-lb do	....

F. O. B. Toronto. Terms—3 p.c. off 30 days, or 4 mos. from date of delivery.

Blue Stone.

Casks, for spraying, per lb	0 07
100-lb. lots, do. per lb	0 08

Putty.

Bulk in bbls.,	1 90
Bulk in less quantity	2 05
Bladders in bbls	2 25
Bladders in kegs, boxes or loose	2 40
Bladders in 25-lb. tins	2 35
Bladders in 12½-lb. tins	2 65
Bladders in bulk or tins less than 100 lb	2 90

Varnishes.

In 5-gal. lots.	Per Gal.	net.
Carriage, No. 1	1 50	1 60
Pale Durable body	4 10	4 25
" rubbing	2 85	3 20
Gold Size, Japan	2 85	3 00
No. 1 Brown Japan	0 85	0 90
Elastic Oak	....	1 50
Furniture, extra	....	1 25
" No. 1	....	1 10
Hard Oil Finish	1 65	1 75
Light Oil Finish	1 40	1 60
Demar	1 70	1 85
Shellac, white	2 3	2 45
" orange	2 25	2 35
Turpentine Brown Japan	1 25	1 0
" Black Japan	0 85	1 20
" " No. 1	0 50	0 75

Elastilite Varnish 1 gal. can, each, $2.00.

Granitine Floor Finish per gal., $2.75.

Maple Leaf Coach Enamels; Size 1, $1 20 Size 2, 70c Size 3, 40c. each

Sherwin-Williams' Copal Varnish, assorted cans, from ½ pts. to 1 gal., $2.50.

Castor Oil

East India, in cases, per lb	0 09½ 0 10
" " small lots	0 10 0 10½

Cod Oil, Etc.

Cod Oil per gal	0 50 0 55
Pure Olive	.... 1 20
" Neatsfoot	 90

Glue.

Common	0 08½ 0 09
French Medal	0 14 0 16½
Cabinet sheet	0 12 0 13
White, extra	0 18 0 20
Gelatine	0 22 0 30
Strip	0 18 0 20
Coopers	0 19 0 20
Huttner	.... 0 18

JAMES HUTTON & CO.

Sole Agents in Canada for

Joseph Rodgers & Sons, Limited,
Steel, Peech & Tozer, Limited,
W. & S. Butcher,

Thomas Goldsworthy & Sons,
Burroughes & Watts, Limited,
Etc., Etc.,

Have reopened their offices in Victoria Chambers,

232 McGill Street, MONTREAL.

HARDWARE.

Ammunition.

Cartridges.

B. B Caps Dom. 50 and 5 per cent.
Rim Fire Pistol, dis 40 p. c., Amer
Rim Fire Cartridges, Dom., 5 (and 5 p. c
Central Fire Pistol and Rifle 10 p.c. Amer.
Central Fire Cartridges, pistol sizes Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 per cent.
Central Fire, Military and Sporting, Amer. add 5 p.c. to list. B.B. Caps, discount 40 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 10 p.c. advance on list.
Brass Shot Shells, 55 per cent.
Primers, Dom., 30 per cent.; American, $1.60.

Wads	per lb
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb. bags	70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	

Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 20 per cent.

Anvils.

Wright's, 80-lb. and over	0 10¾
Hay Budden, 80-lb. and over	0 09¼
Brook's, " " "	0 11¼

Augers.

Gilmour's discount 65 and 5 p.c. off list.

Axes.

Chopping Axes		
Single bit, per doz	5 50	10 00
Double bit, "	11 00	18 00
Bench Axes, 40 p.c.		
Broad Axes, 25 per cent.		
Hunters' Axes	5 50	6 00
Boys' Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Axle Grease.

Ordinary, per gross	5 75	6 00
Best quality	13 00	15 00

Bath Tubs.

Zinc	6 00
Copper, discount 15 p.c. off revised list	

Baths.

Standard Enameled.

5½-inch rolled rim, 1st quality	24 00
" " " 2nd "	20 00

Anti-Friction Metal.

"Tandem" A per lb.	0 27
" B "	0 21
" C "	0 11½
Magnolia Anti-Friction Metal, per lb	0 25
Frictionless metal, per lb	0 23

SYRACUSE SMELTING WORKS.

Aluminum, genuine	0 41
Dynamo	0 27
Special	0 22
Aluminum, 99 p.c. pure "Syracuse"	0 45

Bells.

Hand

Brass, 60 per cent.
Nickel, 55 per cent.

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Door.

Gongs, Sargant's	5 50	8 00
" Peterboro', discount 45 per cent		

Farm.

American, each	1 25	3 00

House.

American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00
Blacksmiths', discount 40 per cent.		

Belting.

Extra, 60 per cent.
Standard, 60 and 10 per cent.
No. 1, not wider than 6 in., 60 10 and 10 p.c.
Agricultural, not wider than 4 in., 75 p.c.

Bits.

Auger.

Gilmour's, discount 60 and 5 per cent.
Rockford, 50 and 10 per cent.
Jennings' Gen. net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind and Bed Staples.

All sizes, per lb	0 07¾	0 12

Bolts and Nuts.

	Per cent.
Carriage Bolts, common ($1 list)	55
" " full square ($2.40 list)	55
" " Norway iron ($3 list)	50
Machine Bolts, all sizes	50 and 5
Plough Bolts	50 and 5
Blank Bolts	50 and 5
Bolt Ends	50 and 5
Sleigh Shoe Bolts	65 and 5

Coach Screws, cone point 66⅔
Nuts, square, all sizes, 3½c per lb off.
Nuts, hexagon, all sizes, 3¾c. per lb. off.
Stove rods, per lb 5½ to 6c.
Nuts, in 50 lb. lots ¼c. per lb extra, in less than 50 lb. lots, ½c. extra.

Boot Calks.

Small and medium, ball, per M	4 25	
Small heel, per M	4 50	

Bright Wire Goods.

Discount 62½ per cent

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent

Henis, No. 8 "		6 00
Henis, No. 9, "		7 00
Queen City "	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Butcher Knives.

Bailey's, per doz	0 60	6 30

Building Paper, Etc.

Tarred felt, per 100 lb	1 70
Ready roofing, 2-ply, not under 45 lb. per roll	85
Ready roofing, 3-ply, not under 65 lb. per roll	1 10
Carpet felt, per ton	45 00
Dry sheathing, per roll, 400 sq. ft.	35
Tar sheathing, " " "	45
Dry fibre " " "	50
Tarred fibre, " " "	60
O.K. & I.X.L., " " "	65
Resin-sized, " " "	40
Oiled sheathing, " 600 "	1 10
" " 400 "	70
Roof coating, in barrels, per gal.	17
" small packages	25
Refined tar, per barrel	4 50
Coal tar, "	4 00
Coal tar, less than barrels, per gal.	15
Roofing pitch, per 100 lb	85

Bull Rings.

Copper, $2.00 for 2½ in. and $1.90 for 2 in.

Butts.

Wrought Brass net revised list.

Cast Iron.

Loose Pin, dis., 60 per cent.

Wrought Steel

Fast Joint, dis. 65, 10 and 2½ per cent.
Loose Pin, dis. 65, 10 and 2½ per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.

Gen. Bronzed, per pair	0 40	0 65

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	....

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	8 50	9 50

Cement.

Canadian Portland	1 90	2 75
English "	3 00	3 15
Belgian "	2 50	2 75
Canadian hydraulic	1 25	1 50
Arrow	....	2 25
Buffalo	....	2 00

Chalk.

Carpenters Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 70 per cent.
Warnock's, dis. 70 per cent.
P. S. & W. Extra 60, 10 and 5 p.c.

Churns.

Revolving Churns, metal frames—No. 0, $8—No. 1, $8.50—No. 2, $9.00—No. 3, $10.00—No. 4, $12.00—No. 5, $16.00 each. Ditto, wood frames—20c. each less than above.
Discounts: Delivered from factories, 56 p.c.; from stock in Montreal, 54 p.c.
Terms, 4 months or 3 p.c. cash in 30 days

Clips.

Axle dis. 65 per cent.

Closets.

	Net.
Plain York or Ontario Syphon Jet.	$9 60
Emb. York or Ontario Syphon Jet.	10 20
Fittings	1 00
Plain Elgin or Teu. Syphon Washout	6 00
Emb. Elgin or Teu. Syphon Washout	6 60
Fittings	1 25
Low Down Elgin or Teutonic, plain	9 60
" " " emb.	10 20
Plain Richelieu	4 00
Emb. Richelieu	4 25
Connections	1 25
Low Down Ont. Sy. Jet, plain	11 70
" " " " " emb'd.	12 30
Closet connection	1 25
Basins P.O., 14 in.	0 70
" oval 17 x 14 in.	1 50
" " 19 x 15 in.	2 25

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Conductor Pipe.

Plain or Corrugated.

2-inch, per 100 feet	3 00
3 " " "	4 00
4 " " "	5 25
5 " " "	6 75
6 " " "	9 00

Cradles, Grain.

Canadian, dis. 25 to 33⅓ per cent.

Crosscut Saw Handles.

S. & D., No. 3, per pair	17½
" " 5, "	22½
" 6, "	15
Boynto pattern "	20

Door Springs.

Torrey's Rod, per doz	(15 p.c.	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Coach and Wagon, dis. 50 and 10 per cent.
Carpenters, dis. 70 per cent.

Drills.

Hand and Breast

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis., 37½ to 40 per cent.
Standard dis. 50 and 5 to 55 per cent.

Faucets.

Common, cork-lined, dis. 35 per cent.

EAVE TROUGH.

10-inch, per 100 ft. $3 10

ELBOWS. (Stovepipe.)

	per doz.
5 and 6-inch, common	1 20
7-inch	1 35
Polished, 15c. per doz. extra.	

ESCUTCHEONS.

Discount, 40 per cent.

ESCUTCHEON PINS.

Iron, discount 40 per cent.

FACTORY MILK CANS.

Discount off revised list, 40 per cent.

FILES AND RASPS.

Great Western	70 and 10	per cent.	
Arcade	70	"	10 "
Kearney & Foot	70	"	10 "
Disston's	70	"	10 "
American	70	"	10 "
J. Barton Smith	70	"	10 "
McClellan	70	"	10 "
Eagle	70	"	10 "
Nicholson, 60 and 10 to 60, 10 and 5			"
Royal	80		"
Globe	70 to 75		"

Black Diamond, 60 and 10 to 60, 10 and 5 p.c
Jowitt's, English list, 25 to 27½ per cent.
Nicholson File Co.'s "Simplicity" file handle per gross, 85c. to $1.50.

GLASS—Window—Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	D. Diamond Per 50 ft.	D. Diamond Per 100 ft.
Under 26	2 20	4 25	....	6 25
26 to 40	2 40	4 65	....	6 75
41 to 50	....	5 10	....	7 50
51 to 60	....	5 35	....	8 50
61 to 70	....	5 75	....	9 75
71 to 80	....	6 25	....	11 00
81 to 85	....	7 00	....	12 55
86 to 90	....	7 75	..	15 00
91 to 95	..	....	...	17 50
96 to 100	.. ..	....	....	20 50

GAUGES

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's Nos. 26 to 33, each	1 65	2 40

HALTERS.

Rope, ⅜ per gross	....	....
" ½ "	....	9 00
" ⅝ to ¾ "	....	14 00
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, —per doz	1 87	2 45

HAMMERS.

Nail

	Can.	dis.
Maydole's, dis. 5 to 10 per cent 25 to 27½ per cent.		

Tack.

Magnetic per doz	1 10	1 20

Sledge.

Canadian per lb	0 07½	0 08½

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz. net	1 50	2 00
Store door, per doz	1 00	1 50

Fork.

C. & B., dis. 40 per cent. rev. list.

Hoe.

C. & B., dis. 40 per cent. rev. ist.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 7

Hammer and Hatchet.

Canadian, 40 per cent.

Cross-Cut Saws.

Canadian, per pair	13¾

HANGERS.

	doz. pairs.	
Steel barn door	5 85	6 00
Stearns, 4 inch	....	5 00
" 5 inch	....	6 50
Lane's covered—		
No. 11, 5-ft. run	....	8 40
No. 11½, 10-ft. run	....	10 80
No. 12, 10-ft. run	....	12 60
No. 14, 15-ft. run	....	21 00
Lane's O.N.T. track, per foot	....	4½

HARVEST TOOLS

Discount, 60 per cent.

HATCHETS

Canadian, dis 40 to 42½ per cent.

Advance in Prices.

Owing to scarcity and increased cost of raw material, the following prices were adopted by the Tarred Paper Manufacturers' Association on June 2nd:

"D" No. 2 Dry Fibre Building Paper, per roll, $ .35
"E" No. 2 Tarred " " " " " .45
"K" Dry Straw Building Paper " " .35
"L" Tarred Straw " " " " .45

Our new Price List and Catalogue contains much useful information that you cannot obtain elsewhere. Write us if you have not received one.

The Paterson Mfg. Co., Limited

Toronto and Montreal.

HINGES.

Blind, Parker's, dis. 50 and 10 to 60 per cent.
Heavy T and strap, 4-in., per lb.... 0 06½
" " 5-in., " 0 06¼
" " 6-in., " 0 06
" " 8-in., " 0 05¾
" " 10-in., " 0 05½
Light T and strap, dis. 65 and 5 per cent.
Screw hook and hinge—
6 to 10 in., per 100 lbs.... .... 4 50
12 in. up, per 100 lbs..... .... 3 25
Per gro. pairs
Spring..... .... 12 00

HOES.

Garden, Mortar, etc., dis. 60 p.c.
Planter, per doz..... 4 00 4 50

HOLLOW WARE

Discount,..... 45 and 5 per cent.

HOOKS.

Cast Iron.

Bird Cage, per doz.....	0 50	1 10
Clothes Line, per doz.....	0 27	0 63
Harness, per doz.....	0 72	0 88
Hat and Coat, per gross.....	1 00	3 00
Chandelier, per doz.....	0 50	1 00

Wrought Iron.

Wrought Hooks and Staples, Can. dis. 47½ per cent.

Wire.

Hat and Coat, discount 45 per cent.
Belt, per 1,000 ..... 0 60
Screw, bright, dis. 55 per cent.

HORSE NAILS.

"C" brand 50 and 7½ p.c. off new list } Oval-
"M" brand 50, 10 and 5 per cent. } head
Countersunk, 60 per cent.

HORSESHOES.

Iron Shoes.	F.O.B. Montreal No. 2 and larger.	No. 1. and smaller.
Light, medium and heavy...	3 50	3 75
Snow shoes.....	3 75	4 00
Steel Shoes.		
Light.....	3 60	3 85
Featherweight (all sizes).....	4 85	4 85

F.O.B. Toronto, Hamilton, London and Guelph, 10c. per keg additional.
Toe weight steel shoes..... 6 70

JAPANNED WARE.

Discount, 45 and 5 p.c. off list, June 1899.

ICE PICKS.

Star per doz..... 3 00 3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.
Copper, per lb..... 0 30 0 50
American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 45 p.c.
Cabinet, trunk, and padlock, Am. per gross 60

KNOBS.

Door, japanned and N.P., per doz..... .... 1 50 2 50
Bronze, Berlin, per doz..... 2 75 3 25
Bronze Genuine, per doz.... 6 00 9 00
Shutter, porcelain, F. & L screw, per gross 1 30 4 00
White door knobs—per doz. 95 1 00

HAY KNIVES.

Discount, 60 per cent.

LAMP WICKS.

Discount, 60 per cent.

LANTERNS.

Cold Blast, per doz..... 7 00
No. 3 "Wright's"..... 8 50
Ordinary, with O burner..... 4 00
Dashboard, cold blast..... 9 00
No. 0..... 5 75
Japanning, 50c. per doz. extra

LEMON SQUEEZERS.

Porcelain lined, ...per doz. 2 20 5 60
Galvanized..... 1 87 3 85
King, wood..... 2 75 2 90
King, glass..... 4 00 4 50
All glass..... 1 20 1 30

LINES.

Fish per gross..... 1 05 2 50
Chalk " 1 90 7 40

LOCKS

Canadian, dis 40 p.c.
Russel & Erwin per doz.... 3 00 3 25
Cabinet.
agle, dis. 30 p.c.

Padlocks.

English and Am. per doz.... 50 6 00
Scandinavian, " 1 00 2 40
Eagle, dis. 20 to 25 p.c.

MACHINE SCREWS. Iron and Brass.

Flat head discount 25 p.c.
Round Head discount 20 p.c.

MALLETS.

Tinsmiths' per doz.....	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz..	3 85	5 00
Caulking each.....	60	2 00

MATTOCKS.

Canadian, per doz..... 5 50 6 50

MEAT CUTTERS.

American, dis. 25 to 30 p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are:	Cut.	Wire.
2 d and 3d	$3 45	$3 55
3 d	3 10	3 22
4 and 5d..... ..	2 85	3 05
6 and 7d.....	2 75	2 90
8 and 9d.....	2 60	2 70
10 and 12d.....	2 55	2 65
16 and 20d..	2 50	2 60
30, 40, 50 and 60d. (base).....	2 45	2 55

Wire nails in carlots are $2.50
Galvanizing 2c. per lb. net extra.
Steel Cut Nails 10c. extra.
Miscellaneous wire nails, dis. 75 p.c.
Coopers' nails, dis. 30 per cent.
Flour barrel nails, dis. 25 per cent.

NAIL PULLERS.

German and American..... 1 85 3 50

NAIL SETS.

Square, round, and octagon per gross..... 3 38 4 00
Diamond..... 12 00 15 00

POULTRY NETTING.

2-in. Mesh, 19 w.g., dis. 50 and 5 to 50 and 10 p.c.
2-in. Mesh, 18 w.g. and heavier, 50 p.c.

OAKUM. Per 100 lb

Navy 6 00
U.S. Navy..... ..... 7 25

OILERS.

McClary's Model galvan. oi can, with pump, 5 gal. per doz..... .... 10 00
Zinc and tin, dis. 50, 50 and 10.
Copper, per doz..... 1 25 3 50
Brass, " 1 50 3 50
Malleable, dis. 25 per cent.

GALVANIZED PAILS.

Dufferin pattern pails, dis. 45 p.c.
Flaring pattern, discount 45 per cent.
Galvanized washtubs discount 45 per cent.

PIECED WARE.

Discount 40 per cent. off list, June, 1899.
10-qt. flaring sap buckets, dis. 40 p.c.
6, 10 and 14-qt. flaring pails, dis. 40 p.c.
Creamer cans, dis. 40 p.c.

PICKS.

Per doz..... 6 00 9 00

PICTURE NAILS.

Porcelain head, per gross... 1 75 3 00
Brass head " 0 40 1 00

PICTURE WIRE.

Tin and gilt, discount 75 p.c.

PINE TAR.

½ pint in tins, per gross..... 7 80
1 " " " 9 60

PLANES.

Wood, bench, Canadian dis. 40 per cent. American dis. 50.
Wood, fancy Canadian or American 7½ to 40 per cent.

PLANE IRONS.

English per doz..... 2 00 5 00

PLIERS AND NIPPERS.

Button's Genuine per doz pairs, dis. 37½ 40 p.c.
Button's Imitation, per doz.. 5 00 9 00
German, per doz..... 0 60 2 60

PLUMBERS' BRASS GOODS.

Standard Compression work, dis. 60 p.c.
"J.M.T." Cushion work. dis. 50 p.c.
Fuller work, dis. 65 p.c.
6 doz. lots and over of the above, extra dis. 10 p.c.

Lever Handle Stops and Waste, discount 60 p.c. With, in lots of 2 doz. and over, an extra dis. of 10 p.c.
"J.M.T." Globe, Angle and Check Valves, dis 55 p.c.
Standard Globe, Angle and Check Valves, dis. 65 p.c.
"J.M.T." Radiator Valves. dis. 55 p.c.
Standard " " dis., 65 p.c.
Patent Quick Opening Valves, dis. 70 p.c.
No. 1 compression bath cock, net .. 2 00
No. 4 " " 2 00
No. 7, Fuller's 2 20
No. 4½, ... 2 35
Patent Compression Cushion, basin cock, hot and cold, per doz 15 00
Patent Compression Cushion, bath cock. No. 2208 ..... 2 25
Square head brass cocks, 60 p.c.
" " iron " 60 p.c.
Competition Quick Angle and Check Valves discount, 70 p.c.
Competition Quick Opening Radiator Valves, discount, 70 p.c.

PRESSED SPIKES.

Discount 22½ per cent.

PULLEYS.

Hothouse, per doz.....	0 55	1 00
Axle.....	0 22	0 33
Screw.....	0 27	1 00
Awning.....	0 35	2 50

PUMPS.

Canadian cistern.....	1 80	3 60
Canadian pitcher spout.....	1 40	2 10

PUNCHES.

Saddlers', per doz.....	1 00	1 85
Conductors' "	9 00	15 00
Tinners', solid per set.....	0 00	0 72
" hollow per inch.....	0 00	1 00

RANGE BOILERS. Net.

Dominion, 30 gal.	5 75
Dominion, 35 "	6 75
" 40 "	7 75
Ronald's Galvanized, 30 gallons	6 50
" " 35 "	7 50
" " 40 "	8 50
Copper, 30 gallons.....	20 00
" 35 "	23 20
" 40 "	26 40

RAKES.

Wood, per doz. net 110

RAZORS.

	per doz.	
Elliot's	4 00	18 00
Geo. Butler & Co.'s.....	4 00	18 00
Boker's.....	7 50	11 00
" King Cutter.....	12 50	50 00
Wade & Butcher's	3 60	10 00
Theile & Quack's.....	7 00	12 00
Bailey's	6 00	12 00
Carbo Magnetic Razor		15 00
Griffon Barbers' Favorite		10 75
Griffon No. 65.....		13 50
Griffon Safety Razors.....		14 50
Stropping Machines.		13 50

All other razors 50 p.c. off catalogue price.

REGISTERS.

Discount ..... 40 per cent

RIVETS AND BURRS.

Iron Rivets, black and tinned, discount 60 and 10 per cent.
Iron Burrs, discount 55 per cent.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets with usual proportion burrs, 45 and 10 dis., cartons, 1c. per lb. extra, net.
Copper Burrs only, 30 and 0 p.c.
Extras on Tinned or Coppered Rivets, ½-lb. cartons, 1c. per lb.

RIVET SETS.

Canadian, dis. 35 to 37½ per cent.

ROPE, ETC.

Sisal.....	13
Pure Manilla.....	16
"British" Manilla.....	14½
Cotton, 3-16 inch and larger.....	16
" 5-32 inch.....	21
" ⅛ inch	22
Russia Deep Sea.....	15
Jute.....	5
Lath Yarn	

Sisal bed cord, 48 ft..... per doz. 65
" " 60 ft..... " 80
" " 72 ft..... " 95

RULES.

Boxwood, dis. 55 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS. per set.

Mrs. Potts, No. 55, polished. 70
" No. 50, nickle-plated. 75

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 5 per cent.
Emery, 40 per cent.
Garnet (Rurton's), 5 to 10 p.c. advance on list

SAP SPOUTS.

Bronzed iron with hooks, per doz. 9 50

SAWS.

Hand Disston's, dis. 12½ p.c.
S. & D., 40 per cent.

Crosscut, Disston's, per ft..	0 35	0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3		
Hack, complete, each	0 75	2 75
" frame only		0 75

SASH WEIGHTS.

Sectional, per 100 lbs.....	2 25	2 50
Solid, "	1 75	2 00

SASH CORD.

Per lb..... 0 23 0 30

SAW SETS.

Lincoln and Whiting, per doz. 4 75
Hand Sets, No. 1 Woodyatt (Morrill) 4 25
X-cut Sets, No. 3 Woodyatt (Morrill) 9 50

SCALES.

Burrow, Stewart & Milne—
Imperial Standard, 45 per cent.
Weigh Beams, 35 per cent.
Champion Scales, 55 per cen
Fairbanks Standard, 35 p.c.
" Dominion, 55 p.c.
" Richelieu, 55 p.c.
Warren's new Standard 45 p c.
" " Champion 55 p.c.

SCREW DRIVERS.

Sargent's per doz..... 0 65 1 00

SCREWS.

Wood, F.H., bright and steel, 87½ and 10 p.c.
Wood R. H., " dis. 82½ and 10 p.c.
" F. H., brass dis. 80 and 10 p.c.
Wood, R. H., " dis. 75 and 10 p.c.
" F.H., bronze, dis. 75 p.c.
" R.H. " 70 p.c.
Drive Screws, 87½ and 10 per cent.

Bench, wood, per doz.	3 25	4 00
" iron, "	4 25	5 00

Set, Case hardened, 60 per cent.
Square Cap, 50 and 5 per cent.
Hexagon Cap, 45 per cent.

SCYTHES.

Per doz., net..... ..... 5 00 8 00

SCYTHE SNATHS.

Canadian, dis. 45 p.c.

SHEARS.

Bailey Cutlery Co., full nickeled, dis. 60 and 2½ p.c.
Bailey Cutlery Japan handles, 67½ p.c
Seymour's, dis. 50 and 10 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SINKS.

Steel and galvanized, discount 45 per cent

SNAPS.

Harness, German, dis. 25 p.c.
Lock, Andrews'..... 4 50 11 50

SOLDERING IRONS.

1, 1½ lb., per lb.....	0 37
2 lb. or over, per lb.....	0 34

SQUARES.

Iron, No. 493, per doz.....	2 40	2 55
" No. 494, "	3 25	3 40

Steel, dis. 60, 10 and 5 p.c.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.

Plain, dis., 75 and 12½ p.c. off revised list.
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized.....	3 25	3 50
Plain.....	2 90	3 15

Coopers', discount 45 per cent.
Poultry netting staples, 40 per cent.

WINDOW GLASS —TO IMPORT.

Prompt Deliveries

EVERY KIND OF PLATE AND WINDOW GLASS IN STOCK.

BEST GLASS of all kinds, our own manufacture. **Closest Prices.**

TORONTO PLATE GLASS IMPORTING CO.,

Hill & Rutherford

Warerooms and Offices—135 to 143 Victoria St.
Bending Works—209 to 213 Victoria St.

TORONTO

STOCKS AND DIES.

American dis. 25 p.c.

STONE.		Per lb.
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip,	0 09	0 09
Labrador	....	0 13
" Axe	....	0 15
Turkey	....	0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, 2 in, 40 to 200 lb, per ton	....	25 00
" under 40 lb. "	....	28 00
Grind. under 2 in. thick "	....	29 00

STOVE PIPES.

5 and 6 inch Per 100 lengths	....	7 00
7 inch " "	....	7 50

ENAMELINE STOVE POLISH.

No. 4—3 dozen in case, net cash	$4 80
No. 6—3 dozen in case, "	8 40

TACKS, BRADS, ETC.

Cheese-box tacks, blued	80 & 12½
Trunk tacks, black and tinned	85
Carpet tacks, blued	80 & 15
" " tinned	80 & 20
" " (in kegs)	40
Tacks, blued, in dozens only	80
" ¼ weights	60
Swedes cut tacks, blued and tinned—In bulk	80 & 10
In dozens	75
Swedes, upholsterers', bulk	85, 12½ & 12½
" brush, blued & tinned, bulk	70
" gimp, blued, tinned and japanned	75 & 12½
Zinc tacks	35
Leather carpet tacks	55
Copper tacks	50
Copper nails	5 1½
Trunk nails, black	65 and 5
Trunk nails, tinned	65 and 10
Clout nails, blued	65 and 5

Chair nails		35
Patent brads		40
Fine finishing		40
Lining tacks, in papers		10
Lining tacks, in bulk		15
" " solid heads, in bulk		75
Saddle nails in papers		10
" " in bulk		15
Tufting buttons, 22 line, in dozens only		60
Tin capped trunk nails		25
Zinc glazier's points		5
Double pointed tacks, papers	90 and	10
" " " bulk		40
Shoe nails		60
Clinch and duck rivets		45

TAPE LINES.

English, ass skin, per doz.	2 75	5 00
English, Patent Leather	5 50	9 75
Chesterman's each	0 90	2 85
" steel, each	0 80	8 00

TINNERS' SNIPS.

Bailey's, dis. 25 p.c.

THERMOMETERS.

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TRAPS. (Steel.)

Game, Newhouse, dis. 25 p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's discount 10 per cent.
German, per doz. 4 75 6 00
S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb.	....	0 27
Wrapping, cotton, 3-ply		0 19
" 4-ply	....	0 23
Mattress, per lb.	0 33	0 45
Staging, "	0 27	0 35

VISES.

Wright's	....	0 13½
Brook's	....	0 12¾
Pipe Vise, Hinge, No. 1	....	3 50
" " " No. 2	....	5 50
Saw Vise	4 50	9 00

ENAMELLED WARE.

White, Princess, Turquoise, Blue and White, discount 50 per cent.
Diamond, Famous, Premier, 50 and 10 p.c.
Granite or Pearl, Imperial, Crescent, 50, 10 and 10 per cent.

WIRE.

SMOOTH STEEL WIRE.

No. 0-9 gauge		$2 60
10 "		6c. extra.
11 "		12c. "
12 "		20c. "
13 "		30c. "
14 "		40c. "
15 "		55c. "
16 "		70c. "

Add 60c. for coppering and $2 for tinning

Extras net per 100 lb.—Oiled wire 10c.; spring wire $1.25, special hay baling wire 30c.; best steel wire 75c., bright soft drawn 15c.; charcoal (extra quality) $1.25, packed in casks or cases 15c., bagging and papering 10c., 50 and 100-lb. bundles 10c., in 25-lb. bundles 15c., in 5 and 10-lb. bundles 25c., in 1-lb. hanks 50c., in ½-lb. hanks 75c., in ¼-lb. hanks $1.

Fine Steel Wire, dis. 22½ per cent List of extras: In 100-lb. lots: No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, 7.65—No. 24, $8—No. 25, $9—No. 26 $9.50—No. 27, $10—No. 28, $11 No. 29. $12—No. 30, $13—No. 31, $14—No. 32 $15, No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31 $4—Nos. 32-34, $6. Coppered, 5c.—oiled, ing, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles, 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.50 to $3 85—No. 9, $2.85 to $3.15—No. 10, $3.60 to $3.95—No. 11, $3.70 to $4.10—No. 12, $3 to $3.30—No. 13, $3.10 to $3.40—No. 14, $4.10 to $4.50—No. 15, $4.60 to $5.05—No. 16. $4.85 to $5 35. Base sizes, Nos. 6 to 9 $2.52½ f.o.b. Cleveland.
Clothes Line Wire, regular 7 strand No. 17, $4.65; No. 18, $2.90; No. 19, $2.60. Hollow 6 strand, No. 17, $4.30; No. 18. $2 70, No. 19, $2.35; No 20, $2.30, f.o.b. Hamilton, Toronto Montreal.

WIRE FENCING.

Galvanized barb	3 00
Galvanized, plain twist	3 00
Galvanized barb, f.o.b. Cleveland, $2.77½ in less than carlots, and $2.65 in carlots	

WIRE CLOTH

Painted Screen, per 100 sq. ft., net.	1 37½

Terms, 3 per cent. off 30 days.

WASTE COTTON. per lb.

Colored	6
White	8

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 60 p.c.
Coe's Genuine, dis. 20 to 25 p.c.

Towers' Engineer, each	2 00	7 00
" S., per doz.	5 80	6 00
G. & K.'s Pipe, per doz.	....	3 40
Burrell's Pipe, each	....	3 00
Pocket, per doz.	0 25	2 90

WRINGERS.

Leader, per doz.	$30 00	33 00
Royal Canadian, "	...	24 00
Royal American, "	....	24 00
Sampson, "	...	24 00

Terms 4 months, or 3 p.c. 30 days

WROUGHT IRON WASHERS.

Canadian make, discount, 40 per cent.

ADVERTISING in WESTERN CANADA

will be Carefully Efficiently, and Promptly attended to, by

The Roberts Advertising Agency,

WINNIPEG CANADA.



"Pullman" Lawn Sprinkler

IS YOUR ORDER IN?

Send for Folder No. 14.

Pullman Sash Bal. Co.
Rochester, N.Y., U.S.A.

Persons addressing advertisers will kindly mention having seen their advertisement in The Canadian Hardware and Metal Merchant.

Standard Paint & Varnish Works Limited
Makers of High Grade Varnishes, Japans, Paints, Colors & Enamels
Windsor, Ont.

STEVENS-MAYNARD JR. RIFLE

The Young Gentleman's Rifle.



The Young Gentleman's Rifle.

If you want the best cheap rifle ever made we have it in the Stevens-Maynard Jr. It will be a great seller this year. Better place order now.

The leading Jobbers handle Stevens products.

J. Stevens Arms & Tool Co., P.O. Box 217 Chicopee Falls, Mass., U.S.A.

CELEBRATED HEINISCH SHEARS.

Tailors' Shears,
Trimmers, Scissors,
Tinners' Snips, etc.



ACKNOWLEDGED THE BEST.

R. HEINISCH'S SONS CO.

NEW YORK OFFICE, 90 Chambers St.
NEWARK, N.J., U.S.A.

Not connected with any Shear Combination.



Ontario Nut Works, Paris

BROWN & CO.

Manufacturers of

All sizes of Hot Pressed Nuts, Square and Hexagon.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker,
13 St. John Street, **Montreal**

Representing British and American Manufacturers. Correspondence invited from firms wishing to be represented in Canada.

"THE EMLYN" SAW BENCH

Made in 6 sizes. Best value obtainable. Specially designed for export With or without "Emlyn" Patent Guard. Sole maker—

CHARLES D. PHILLIPS,

Cables—"Machinery," Newport. Emlyn Engineering Works, NEWPORT, MON., ENGLAND.

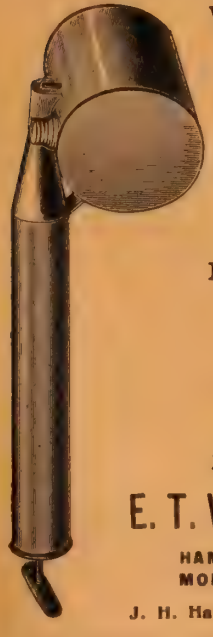
ONTARIO SILVER CO.,

Limited,

NIAGARA FALLS, CANADA.

Manufacturers of **FLATWARE, CUTLERY and ELECTRO PLATE.** . . .

Ask for our Catalogue and Quotations.



WRIGHT'S Insect Sprayers

PLAIN TIN,
LACQUERED,
ALL BRASS.

"BEST ON EARTH."

Manufactured by

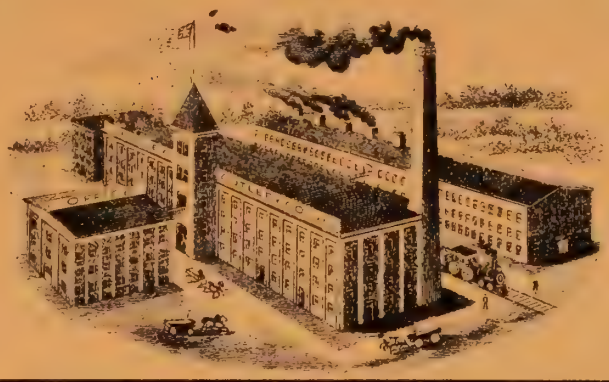
E. T. WRIGHT & CO.

HAMILTON, ONT., and MONTREAL, QUE.

J. H. Hanson, Agent, Montreal.

OUR LARGE NEW FACTORY

WHERE



Shears, Scissors, Razors, Butcher Knives and other Cutlery are made by

BAILEY CUTLERY CO., Limited

BRANTFORD, ONT.

Write for catalogue and prices.

CHAS. P. CLARK, President. **JARED CHITTENDEN, Treasurer.**

...ESTABLISHED 1849...

BRADSTREET'S

Capital and Surplus, $1,500,000. **Offices Throughout the Civilized World.**

Executive Offices: Nos. 346 and 348 Broadway, New York City, U.S.A.

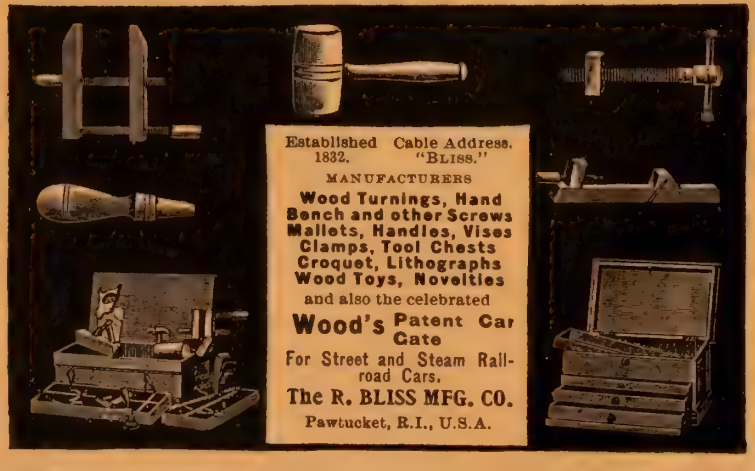
THE BRADSTREET COMPANY gathers information that reflects the financial condition and the controlling circumstances of every seeker of mercantile credit. Its business may be defined as of the merchants, by the merchants, for the merchants. In procuring, verifying and promulgating information, no effort is spared, and no reasonable expense considered too great, that the results may justify its claim as an authority on all matters affecting commercial affairs and mercantile credit. Its offices and connections have been steadily extended, and it furnishes information concerning mercantile persons throughout the civilized world.

Subscriptions are based on the service furnished, and are available only by reputable wholesale, jobbing and manufacturing concerns, and by responsible and worthy financial, fiduciary and business corporations. Specific terms may be obtained by addressing the Company at any of its offices. **Correspondence Invited.**

——OFFICES IN CANADA——

HALIFAX, N.S.	HAMILTON, ONT.	LONDON, ONT.	MONTREAL, QUE.
OTTAWA, ONT.	QUEBEC, QUE.	ST. JOHN, N.B.	TORONTO, ONT.
VANCOUVER, B.C.	VICTORIA, B.C.	WINNIPEG, MAN.	

THOS. C. IRVING, Gen. Man. Western Canada, Toronto. JOHN A. FULTON, Gen. Man. Eastern Canada, Montreal.



Canadian Representative: **ALEXANDER GIBB, 13 St. John St., MONTREAL.**

75 YEARS. *ESTABLISHED 1825.* *75 YEARS.*

Use Syracuse Babbitt Metal

IT IS THE BEST MADE.



For Paper and Pulp Mills, Saw and Wood Working Machinery, Cotton and Silk Mills, Dynamos, Marine Engines, and all kinds of Machinery Bearings.

Wire, Triangular and Bar Solder, Pig Tin, Lead, Ingot Copper, Ingot Brass, Antimony, Aluminum, Bismuth, Zinc Spelter, Phosphor Tin, Phosphor Bronze, Nickle, etc., always in stock.

Canadian Works, Montreal, P.Q.
American Works, Syracuse, N.Y.
Head Office American Works, 94 Gold Street, New York.

Syracuse Smelting Works

Est. 1866 Inc. 1895

Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve Medals

Awarded
By **JURORS** at
International Expositions
Special Prize
Gold Medal at Atlanta, 1895

PATENT INTERLOCKING RUBBER TILING.

The most perfect floor covering for Hotels, Cafes, Business Offices, Banks, Court Rooms, Churches, Hospitals, Vestibules, Halls, Billiard and Smoking Rooms, Lavatories and Bath Rooms.

NOISELESS NON-SLIPPERY
WATERPOOF SANITARY

Carefully selected range of soft, beautiful colors affording ample scope for combinations in harmony with surroundings.

Write for Prices and Particulars.

Sole Canadian Manufacturers . . .

THE GUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

Head Office and Warerooms—
45-47-49 West Front St.

TORONTO,

Factories - 115-165 West Lodge Ave.
124-148 O'Hara Ave.

CANADA.

CASTOR OIL

BRITISH MANUFACTURED.

We have a full stock of

Pharmaceutical
First Pressure
Second Pressure

In Barrels and Cases.

Prices from stock and to import on application.

B. & S. H. THOMPSON & CO.

LIMITED

53 St. Sulpice Street,

MONTREAL.

VARNISHES AND JAPANS

McCASKILL, DOUGALL & CO.

Manufacturers MONTREAL



Standard Railway and Carriage Varnishes
Standard Boat and Spar Varnishes
—Wont turn white from the effects of water and sun.
Standard Piano, Furniture and Decorative Varnishes
Zanzerine Transparent Wood Finishes and Varnishes
Architectural Varnishes

OFFICES:

161 Summer St., BOSTON, Mass., U.S.A.
30 St. John St., MONTREAL.

The Best Value for all Machinery Bearings,
LANGWELL'S BABBIT
MONTREAL.

CANADIAN

HARDWARE AND METAL MERCHANT

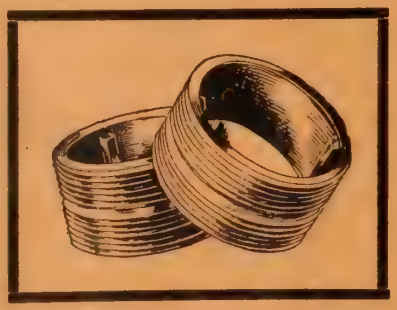
The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XIV. MONTREAL AND TORONTO, JUNE 28, 1902 NO. 26.

ANVILS BITS
HENRY BOKER
MANUFACTURER OF
ARROW BRAND
REGISTERED TRADE MARK
HARDWARE
SPECIALITIES OF ALL DESCRIPTIONS
PLIERS VICES
For Sale by Leading Wholesale Hardware Houses.

FLEUR DE LIS.
The Second Best
Galvanized Iron
"Queen's Head" Quality. Ordinary Galvanizing
JOHN LYSAGHT, Limited, Makers, BRISTOL, ENG.
A. C. LESLIE & CO., MONTREAL, Managers Canadian Branch.

"That Made the Hit"



This is a drawing of the Patent Connection that made the "SAFFORD" famous the world over; that revolutionized radiator building; that made it possible to put a radiator together without bolts, red lead, rods or packing.

The "SAFFORD" is the only radiator on the market for hot-water and steam heating. It means satisfaction every time—is easy to handle for the contractor.

If you have not our Catalogue, write to us.

THE DOMINION RADIATOR CO., Limited
Head Office and Works: DUFFERIN ST. TORONTO, CAN.

LAWN

VASES
SEATS
MOWERS
ROLLERS
HOSE
SPRINKLERS

—AT—

RICE LEWIS & SON

LIMITED

Write for Catalogue and Prices.

TORONTO.

We Carry in Stock a Full Line of the Following Goods:

Antimony.
Brass—Sheets, Soft and Hard.
Rods and Tubes.
Canada Plates.
Copper—Bar and Ingot.
Pitts.
Rods and Tubes.
Sheathing, Roofing and Brazier's.
Copperine and Babbitt.
Cotton Waste.
Crucibles.
Eave Trough—Also Spikes and Cond. Hooks

Iron—Band, Hoop and Rod.
Black and Tinned Sheet.
Galvanized, "Gordon Crown."
Russia, Genuine and Imitation.
Iron Pipe—Black and Galvanized.
Lead—Bar, Pig and Sheet.
Lead Pipe.
Solder—Half and Half and Standard.
Steel Sheets—Common and Dead Flat.
Tin Plates—Charcoal and Coke.
Tin—Bar.
Ingot, "L. & F." and Straits.
Wire—Bright Iron and Coppered Iron.
Zinc—Sheets and Block.

ENQUIRIES SOLICITED.

PLEASE WRITE FOR QUOTATIONS.

M. & L. SAMUEL, BENJAMIN & CO.

27 Wellington St. West, TORONTO, ONT.

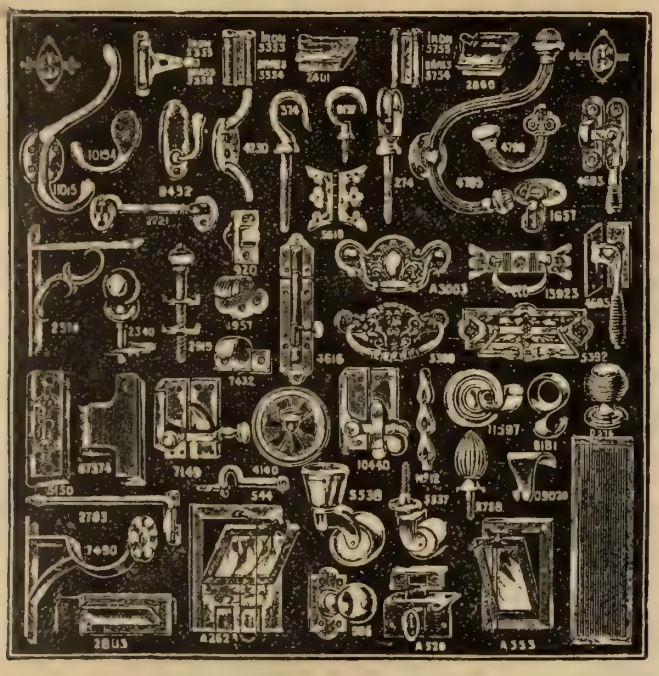
English House: SAMUEL, SONS & BENJAMIN, 164 Fenchurch St., LONDON, E.C.

James Cartland & Son

Manufacturers of every description of **Limited**

CABINET, BUILDERS', FURNISHING AND NAVAL BRASSFOUNDRY

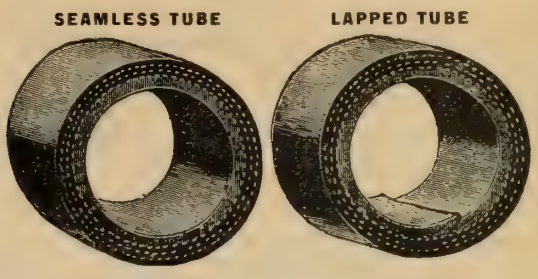
BIRMINGHAM, ENGLAND.



London Showrooms: 57 Holborn Viaduct, E.C.

GARDEN HOSE

Seamless Tube



All brands of our **GARDEN HOSE** are made with our

Patent Seamless Tube

WRITE FOR DISCOUNTS.

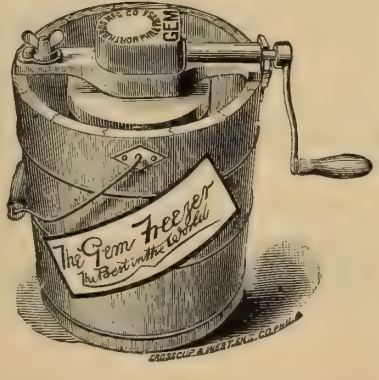
The Canadian Rubber Co.

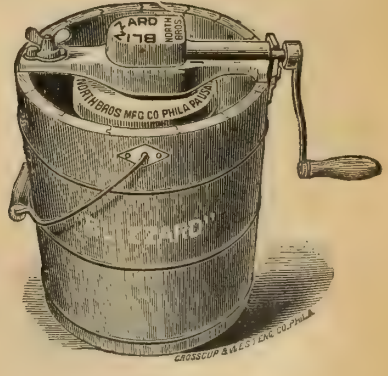
MONTREAL **TORONTO** **WINNIPEG**

Lightning, Gem Blizzard . . .

FREEZERS







ARE

Well Advertised.
In Demand.
Easily Sold.
Satisfactory in Use.
Of Known Reputation.

HAVE

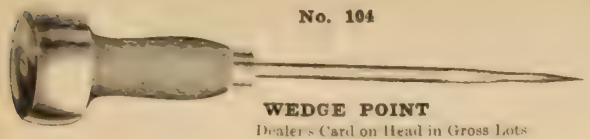
Cedar Pails with Electric Welded Wire Hoops.
Cans of Heavy Tin with Drawn Steel Bottoms.
AUTOMATIC Twin Scrapers.
"The Ice Cream Freezer Book" tells all about these and our other Freezers, mailed free.

EXCEL IN

Easy Running.
Quick Freezing.
Economy.
Convenience.
Practical Results.

North Bros. Mfg. Co., Philadelphia, Pa., U.S.A.

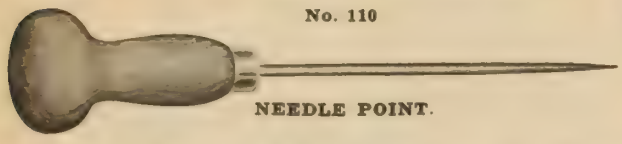
1/3 SIZE.



No. 104

WEDGE POINT

Dealer's Card on Head in Gross Lots



No. 110

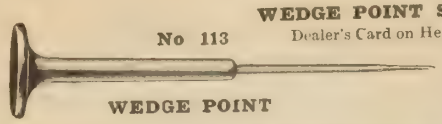
NEEDLE POINT.



No. 112

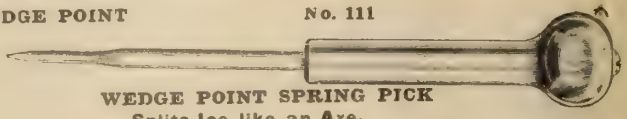
WEDGE POINT SPRING PICK.

Dealer's Card on Head in Gross Lots.



No 113

WEDGE POINT



No. 111

WEDGE POINT SPRING PICK

Splits Ice like an Axe.

WALKER'S QUICK AND EASY ICE PICKS.

ANTI-RUST NICKEL-PLATED.

Steel Tempered; will not Bend, Break or Rust

ERIE SPECIALTY CO., Erie, Pa., U.S.A.

FREE INSURANCE AGAINST FIRE

PLASBESTER

AGENTS WANTED IN EVERY TOWN.

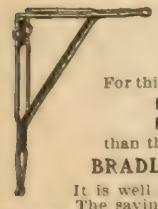
the BEST ASBESTOS WALL PLASTER

Fire Proof

Frost "

Sound "

Will not crack.



Will Hold Up a Shelf!

That's what a shelf bracket is for.

For this purpose there can be

NOTHING BETTER

NOTHING CHEAPER

than the ....

BRADLEY STEEL SHELF BRACKET

It is well **Japanned, Strong** and **Light,** The saving in freight is a good profit, aside from the **lower price** at which the goods are sold

☞ Order direct or through your jobber.

ATLAS MFG. CO., New Haven, Conn., U.S.A.

BISHOP & CO.

Established 1850.

27 and 28 Little Trinity Lane, - LONDON, ENG.

54 Scotland St., SHEFFIELD

Table Cutlery, all qualities.

23 Vittoria St., BIRMINGHAM

Wrought Steel Pots, round or oval.

Tinned inside or enamelled.

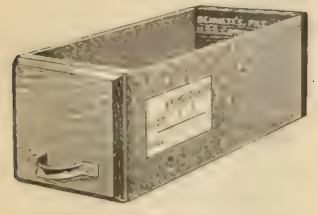
Samples on view at the following Agencies:—

Alex. Thurber, 446 St. Paul St., - - MONTREAL.

E. Fielding, 34 Yonge St., - - TORONTO.

E. L. Denoncourt, 74 St. Joseph St., - QUEBEC.

More Bennett's Patent Shelf Boxes.



The best testimonals are second orders.

"Chicoutimi, P.Q., May 24th, 1902—Please send us 212 more shelf boxes like the last.—Cote, Boivin & Co."

Write for prices to J. S. BENNETT, TORONTO

WIRE ROPE

Wire Rope.

GREENING

OF

All Kinds and Sizes

AND FOR

All Purposes.

PRICES RIGHT. PROMPT SHIPMENTS.

The B. GREENING WIRE CO., Limited

Hamilton, Ont. Montreal, Que.

STOVE BRICK

FIRECLAY AND ASBESTOS

FURNACE CEMET

all kinds of Fire Clay Products made to order from patterns. Write us for varieties and prices.

JONES BROS., Bracondale, P.O., Ont.

(near Toronto.)

THE ZANZIBAR PAINT CO., LIMITED

TORONTO

Sole Manfrs.

ZANZIBAR HOUSE PAINTS.

Strong Colors, Durable Gloss, Uniform and Smooth.

ZANZIBAR FLOOR PAINTS.

Easily Spread, Elastic and Durable—Dry Quickly and Hard.

ZANZIBAR ROOF AND BARN PAINTS.

Low Priced, Smooth Body, Weather-Proof.

Zanzibar Shingle Stains contain no aniline, but best pigments—Permanent Colors, Strong Preservative.

NOTE:—We're a strictly Canadian house, buying all we can in Canada, quality being equal, and we will appreciate your patronage or an opportunity to tell you more about ourselves and our goods

Lace Leather

Send direct to us for the celebrated "NIAGARA" Brand Lace Leather, best produced in this country. Yellow and White in Sides or Cut Strings. Prices and Samples on application.

WOOD BROS.

Tanners of High-Class Leathers,

ST. CATHARINES, ONT

ORDERS specifying "Hurd's" assure you of the best axe made, and are **EASILY FILLED**

HURD'S

THE BEST KNOWN **KNOWN AS THE BEST**

ORDERS specifying for axes "as good as Hurd's" are **HARD TO FILL**



Michigan Pattern, charcoal finish, 3 to 5 lbs.



Michigan Pattern, gold bronze finish, 3 to 5 lbs.



Dayton Pattern, gold bronze finish, 3 to 5 lbs.

ORDER NOW FOR FALL



Michigan Pattern, double bit, gold bronze finish, 3½ to 4¼ lbs.

HURD'S AXES supplied in all popular patterns, finishes and weights.

LEWIS BROS. & CO.

MONTREAL.

TORONTO: 87 York St.

OTTAWA: 54 Queen St.

HENRY ROGERS, SONS & CO.,

SHEFFIELD, ENGLAND

Manufacturers of the Celebrated



H R S & C°

Barb and Plain Galvanized Wire

—AND—

Vulcan and Forth Firebricks.

FOR SALE ON WHARF MONTREAL

Canadian Office:

6 ST. SACRAMENT ST., MONTREAL

F. A. YORK, Manager.

STANDARD TIN WORKS

MANUFACTURERS OF

TINWARE AND TIN CANS

Fruit Cans, Meat Cans,
Jacketed Oil Cans,
Baking Powder Cans,
Lard Pails, Etc.

JAS. A. McGOLPIN

156-162 Duke Street, TORONTO.

THE ALABASTINE CO., Limited, PARIS, ONT.

Are still doing business at the old stand, manufacturing and selling **Land** and **Calcined Plaster**: **Paristone**—the best Cement Wall Plaster; Church's **Bug Finish** that kills Potato Bugs with one application; and **best of all**

ALABASTINE

so well and favorably known "The World Over." The Wall Coating that has proof of origin, and sells on its own merits. No substitute or imitation about ALABASTINE; it is the original product, made adapted for use in Cold Water by the inventor, Mr. M. B. Church, the first and only person who ever developed a practical Cold Water compound with Calcined Gypsum as a base.

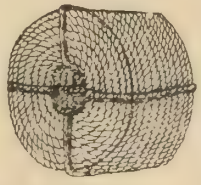
ALABASTINE is patented in Canada and other Countries. Our patents, like our goods, are genuine, and practical for making a wall coating in the manner prescribed. **Facts are indeed stubborn things.**

——The Trade Supplied by——

Sanderson Pearcy & Co., Toronto, Ont.
Wood, Vallance & Co., Hamilton, Ont.
Hobbs Hardware Co., London, Ont.
Vancouver Hardware Co., Vancouver, B.C.
William Hill, Montreal, P.Q.
W. H. Thorne & Co., St. John, N.B.
G. F. Stephens & Co., Winnipeg, Man.
Miller, Morse & Co., Winnipeg, Man.

THE INDEPENDENT CORDAGE CO., Limited,

TORONTO.



Highest Award Pan-American Exposition.

MANUFACTURERS OF ALL KINDS OF

SISAL MANILA **ROPE,** Lath Yarn, Shingle Yarn, Hide Cord, Pulp Cord, Clothes Lines **BINDER TWINE**

Transmission Rope a Specialty.



Steel Frame Churn.

DAVID MAXWELL & SONS

ST. MARYS, ONT., CANADA.

"Maxwell Favorite Churn"

PATENTED FEATURES: Improved Steel Stand, Roller Bearings, and Foot and Hand Lever Drive, and Detachable Driving Link. Improved for season of 1902. Steel or Wood Frame as desired.

Wheelbarrows. In Four different Sizes.

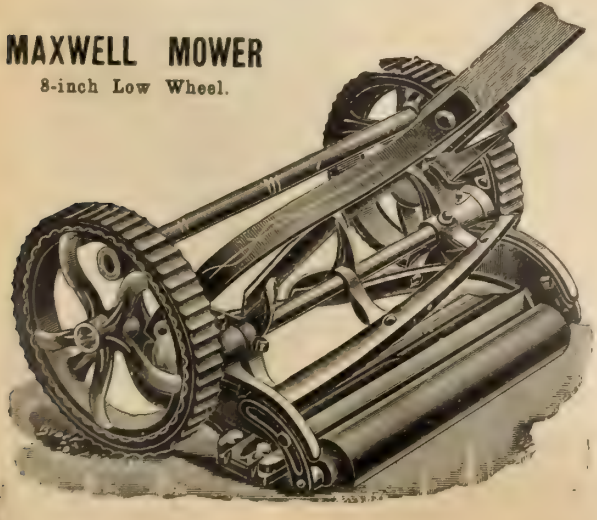
Lawn Mowers. High and Low Wheels, from 12-in. to 20 in. widths. Cold Rolled Steel Shafting, Crucible Steel Knives and Cutting Plate.

If your Wholesale House does not offer you these articles

SEND DIRECT TO US.

MAXWELL MOWER

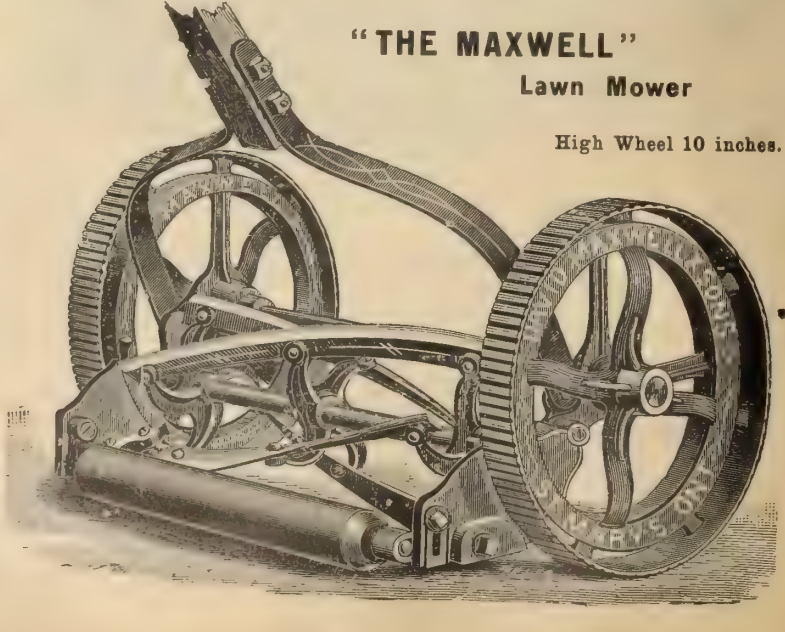
8-inch Low Wheel.



"THE MAXWELL"

Lawn Mower

High Wheel 10 inches.



WORKS: ST. HELENS, ENGLAND, and MAUBEUGE, FRANCE.

Pilkington Brothers, Limited

MANUFACTURERS OF

Polished Plate and Window Glass
Prismatic Rolled and Wired Glass
Plain and Bevelled Mirror Plates
Rolled Plate
Fancy Cathedral
Colored Glass, etc.

DEPOTS:
Busby Lane, Montreal, and Mercer Street, Toronto.

Our Prismatic Glass gives the best results of any Prism Glass on the market. Should be glad to show you our Prismatic Exhibit in our Warerooms.

RICHARD JOHNSON, CLAPHAM & MORRIS, Ld., Manchester AND LIVERPOOL, ENG.

CABLE ADDRESS—"Metallicus," Manchester.
CODES USED—ABC, AI, Liebers and Private Code.

Manufacturers and Metal Merchants

GALV'D SHEETS
GALV'D CANADAS
BLACK SHEET IRON
BLACK CANADAS
Range & Furnace SHEETS

TINPLATES, TERNES
TINNED SHEETS
PIG TIN, PIG LEAD
WIRE NETTING
GALV'D BARB WIRE



WAREHOUSE LEVER STREET

MONTREAL OFFICE:
Messrs. Copland & Co., Imperial Buildings.

HALIFAX OFFICE:
Messrs. Grant, Oxley & Co., 68 Bedford Row.

It Pays the Dealer



TO HANDLE THE

White Mountain Freezer

Will freeze cream in 4 minutes.

BECAUSE

It is the best acting, best looking, strongest, most durable and best selling freezer manufactured.

There is not a weak point about it or a waste part to it.

It embraces all the good features to be found in all other freezers, and many more besides that are peculiar to itself.

SOLE AGENTS FOR CANADA:

THE McCLARY MANUFACTURING CO.,
London, Toronto, Montreal, Winnipeg, Vancouver, St. John, N.B.

CORDAGE

ALL KINDS AND FOR ALL PURPOSES.

Manila Rope
Sisal Rope
Jute Rope
Russian Rope
Marline
Houseline
Hambroline
Clotheslines
Tarred Hemp Rope
White Hemp Rope
Bolt Rope
Hide Rope
Halyards
Deep Sealine
Ratline
Plow Lines

Lathyarn
Shingleyarn
Bale Rope
Lariat Rope
Hemp Packing
Italian Packing
Jute Packing
Drilling Cables
Spunyarn
Pulp Cord
Lobster Marlin
Paper Cord
Cheese Cord
Hay Rope
Fish Cord
Sand Lines

"RED THREAD" Transmission Rope from the finest quality Manila hemp obtainable, laid in tallow.

CONSUMERS CORDAGE COMPANY, Limited

Western Ontario Representative—
WM. B. STEWART,
Tel 94. 27 Front St. West, TORONTO.

MONTREAL, QUE.

The Best Selling Range Ever Made.

Popular with dealers in every part of the country because it is so enthusiastically praised by every buyer.

Our Imperial Oxford

has won its laurels—it is the favorite range of Canada—widely advertised and everywhere appreciated for its practical superiority.

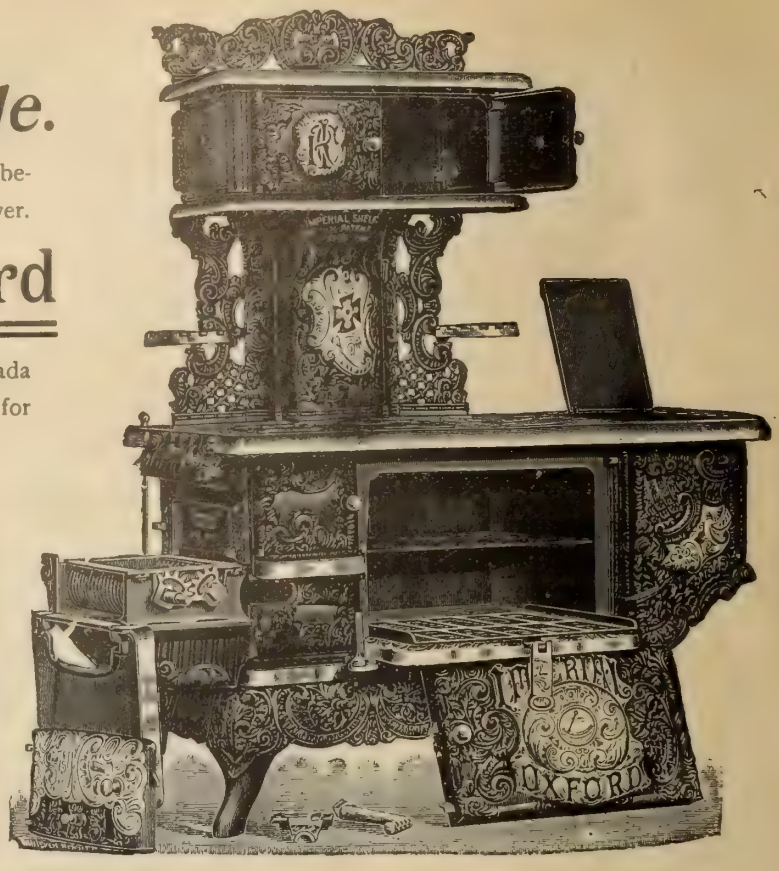
Are you familiar with its
Diffusive Flue Construction
Front Draw-Out Grate
Draw-Out Oven Rack
and other talking points

?

If there's any range business in your locality you'll get it by handling the Imperial Oxford. Fullest details if you write

THE GURNEY FOUNDRY CO., Limited

TORONTO. WINNIPEG. VANCOUVER.



THE GURNEY-MASSEY CO., LIMITED, MONTREAL.



Australasian Hardware and Machinery.

The Organ of the Hardware, Machinery and Kindred trades of the Antipodes.

SUBSCRIPTION $1.25 PER ANNUM,

post free to any part of the world.

PUBLISHING OFFICES:
Melbourne - Fink's Buildings.
Sydney, - - - Post Office Chambers.
AMERICAN OFFICES:
New York, - Park Row Building.
BRITISH OFFICES:
London, - - - 42 Cannon St., E.C.

Specimen Copies on application.

CANADA FOUNDRY CO. LIMITED.

WE LEAD

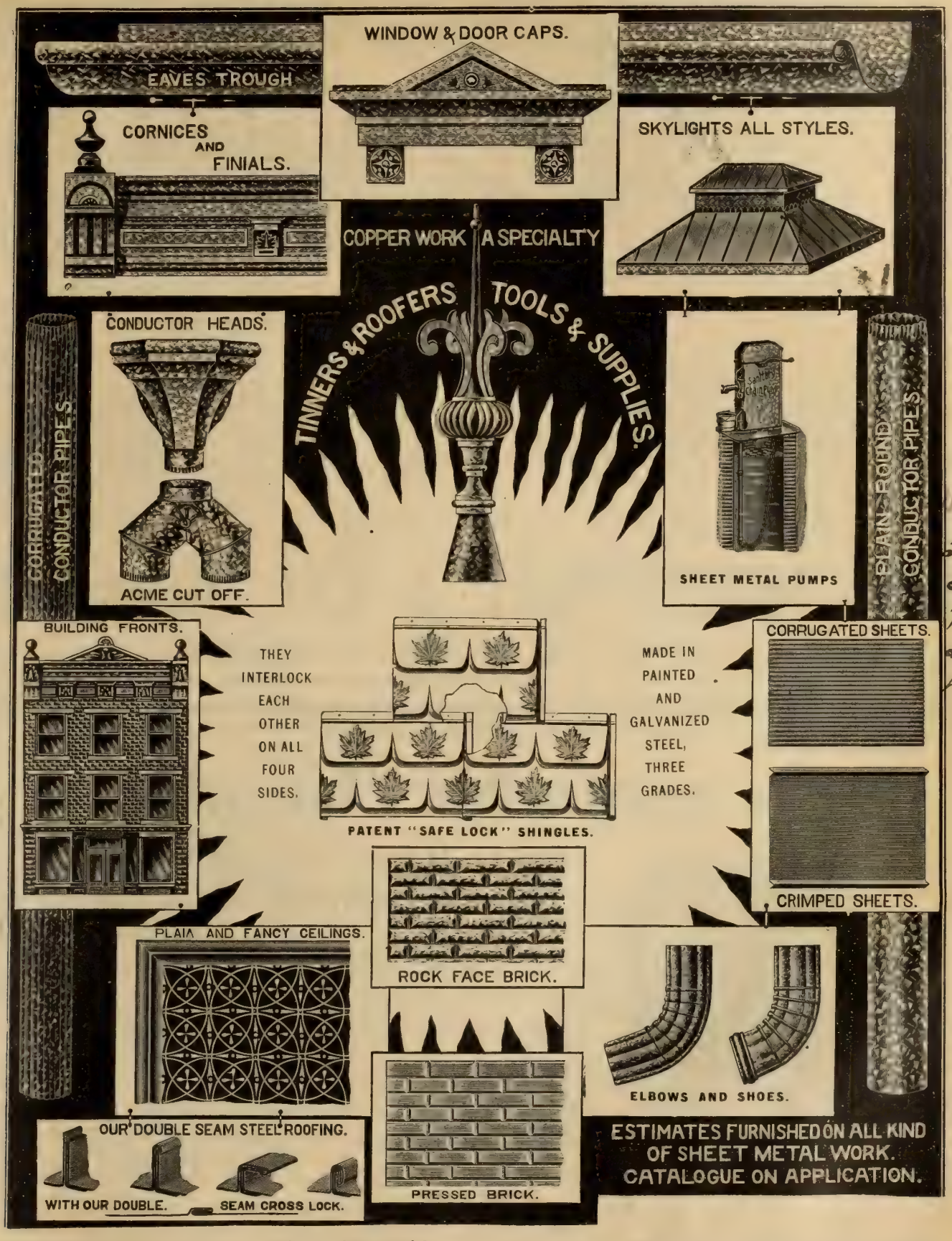
IN THE MANUFACTURE OF:

Cold Pressed Nuts,
Square and Hexagon,
Finished and Semi-Finished,
Cap Screws,
Set Screws,
Thumb Screws, Bolts,
Special Milled Work, etc.

CANADA FOUNDRY COMPANY.

LIMITED.

14-16 King St. East, TORONTO.



Did our new Price List No. 22 reach you last week?

Have you our Catalogue and Samples?

METAL SHINGLE and SIDING CO., Limited

PRESTON AND WINNIPEG.



SCREEN DOOR AND WINDOW BRACKETS

ROYAL BRONZE FINISH WITH SCREWS TO MATCH.

CAN BE SUPPLIED IN ANY PLATED FINISH DESIRED TO ORDER.

No. 200 For Doors.
No. 100 For Windows.

MANUFACTURED BY

A. R. WOODYATT & CO., GUELPH, ONT.

THE LARGEST AND BEST EQUIPPED HARDWARE MANUFACTURERS IN CANADA.

Seasonable Goods



Novelty Refrigerators and Water Coolers Combined . .

An article of utility.
Preserves meats and other articles of food as well as any refrigerator made.
Consumes but a small quantity of ice.
Has Nickel-Plated Faucet attached to Ice Chest, and will supply ice water if required without using an extra quantity of ice.
Substantially made of galvanized iron, and finished in oak.
Low in price and inexpensive in operation. Within the reach of everybody.



Ice Cream Freezers

"LIGHTNING" and "BLIZZARD"
Equal to the Best. None Better.

A FULL LINE CARRIED IN STOCK.

We Will be Pleased to Quote You.

KEMP MANUFACTURING CO., TORONTO, CANADA.

HARDWARE AND METAL

VOL. XIV. MONTREAL AND TORONTO, JUNE 28, 1902. NO. 26.

President:
JOHN BAYNE MacLEAN,
Montreal.

The MacLean Publishing Co.
Limited

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P.E. Island and Newfoundland.

OFFICES.

MONTREAL - - - 232 McGill Street. Telephone 1255.
TORONTO - - - 10 Front Street East. Telephones 2701 and 2702.
LONDON, ENG. - - 109 Fleet Street, E.C. W. H. Miln.
MANCHESTER, ENG. - - 18 St. Ann Street. H. S. Ashburner.
WINNIPEG - - - Western Canada Block. J. J. Roberts.
VANCOUVER, B.C. - - - Flack Block. J. A. Macdonald.
ST. JOHN, N.B. - - No. 3 Market Wharf. J. Hunter White.
NEW YORK - Room 443 New York Life Bldg.

Subscription, Canada and United States, $2.00.
Great Britain and elsewhere - - 12s.
Published every Saturday.

Cable Address { Adscript, London. Adscript, Canada.

WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

BRITISH HARDWARE EXPORTS.

EXPORTS of hardware and kindred lines to Canada from Great Britain continue to increase. The British Board of Trade Returns recently issued show this.

During the first five months of 1901 the exports of cutlery to Canada were valued at £17,922, while for the same period this year the value has increased to £23,275. This increase is all the more significant when the fact is taken into consideration that the total exports in cutlery to all countries show a slight decline.

The exports of pig iron to Canada show a large increase, the quantities for the respective five-month periods being 1,191 tons and 6,505 tons. In tinplates, there was also a material increase, the quantity for the first five months of 1901 being 5,010 tons, while this year it was 7,341 tons.

One of the largest increases was in the export of railroad iron, Canada taking 9,437 tons, against 2,946 tons during the same period last year. And the trade papers which are to hand this week show that one of the features of trade in railroad steel is the increase in the purchases on Canadian account.

Exports of galvanized sheets to Canada continue to increase, the returns showing the quantity to have been 2,641 tons against 1,374 tons for the same period last year. In unenumerated hardware the values were £9,130 and £12,305 respectively.

The Board of Trade returns show that in the general exports to all countries during the five months' period there were decreases in cutlery, pig iron, steam engines, plate and plated ware, and increases in tinplates, wrought goods, railroad iron, black plates for tinning, galvanized sheets, unenumerated hardware, agricultural machinery (not steam), bar, angle, bolt iron, etc., implements and tools, wire and wire rods, unwrought steel, sewing machines and cycles.

GOODS ON THE COUNTER.

In a good many stores it is a common thing to see the counters crowded with merchandise.

It is, no doubt, the proper thing to make neat displays of goods on the counter, but it was never intended that the counter should be filled with goods so as to inconveniently limit the space necessary for the clerks to wait on the customers.

By all means use the counters for tasty displays of goods, but be careful not to overcrowd them.

TRADE WITH WEST INDIES.

THE Canadian commercial agent in Trinidad, Mr. Edgar Tripp, in his report to the Department of Trade and Commerce, states that for the year ending March 31, 1902, Canada exported to that Island goods to the value of $98,958, an increase of $32,713 over the previous year. Other Canadian products amounting to $39,715 were shipped through Canadian ports.

The opinion has more than once been expressed by some of those who supply the hardware and kindred trades with goods that there was little or nothing in their line that Canada could export to the West Indies. Mr. Tripp, however, appears to think differently, He strongly advises our manufacturers of paints to give their attento that market, Cordage and twine manufacturers could also find customers on the Island, and there is also an opening for Canadian made furniture. He says our coal would be bought there, and makes the suggestion that owners of coal mines in Canada should cultivate the West-Indian trade, all the coal imported there now coming from the United States, which has driven British coal completely out of the market. Mr. Tripp is of the opinion that the visit to the Islands of the president and secretary of the Canadian Manufacturers' Association will be productive of much good, in the way of fostering trade between the two countries.

SEEKING RECIPROCAL TRADE WITH CANADA.

MINNEAPOLIS is endeavoring to create interest sufficient to secure the calling of a convention for discussing the question of closer trade relations with Canada. Some of the boards of trade in this country have received notifications to that effect, and asking for their cooperation.

For some time Minneapolis has been quite a centre in the movement for closer trade relations with Canada. In this, the western city is only following in the footsteps of Boston, Portland, New York, Chicago and other cities in the United States.

So far, however, the movement has excited little, if any, interest in Canada. We have not forgotten the time when this country importuned the United States again and again for commercial treaties, which would modify the restrictions which were placed upon Canadian products entering that country. The rebuffs which we on several occasions received, together with the McKinley and Dingley tariffs, finally deterred us from continuing a policy which brought us humiliation but no remedy.

The result has been in many ways to our own advantage, for, while our exports to the United States have been practically at a standstill for a number of years, our export trade with Great Britain and other countries has increased enormously, until to-day we are practically as little concerned about closer trade relations with the United States as we were some 10 or 15 years ago concerned in securing them.

As a matter of fact, we are quite passive in regard to the question of reciprocity with our neighbors to the south. No doubt, if a fair measure of reciprocity was offered us, interest would be awakened, and the matter might again come within the province of practical politics. At present, however, there is no indication of the development of any such interest, and if our cousins in the neighboring Republic are at all disposed to make us a reasonable offer, the sooner the better as far as their own interests are concerned. This country is developing at such a rapid rate that we are becoming more and more independent of the United States in matters of trade, and naturally the more independent we become the more exacting are we likely to be.

At present our tariff is on an average one-half as high as that which is in force in the United States, and there is more disposition on the part of the people of this country to raise it than to lower it on merchandise that would affect the United States.

A convention of business men representing the two countries is to be commended. It would at least result in an exchange of views that would be helpful rather than otherwise. But we have no faith that it would produce practical results in the way of reciprocal trade. We have not yet forgotten the opinions that were expressed at the convention of the manufacturers in Philadelphia held to consider the question of reciprocity. The manufacturers talked of reciprocity; but the resolutions they adopted showed that they wanted to take but not to give. And we have not yet seen any evidence of a change of heart.

CANADA'S TRADE WITH FRANCE.

LA CHAMBRE DE COMMERCE, of Montreal, has started a movement having for its object the enlarging of our trade with France.

It will be remembered that in 1894 Canada successfully negotiated a commercial treaty with France. This treaty was somewhat limited in its extent, but at the same time it has been beneficial to the commercial relations of the two countries.

During the last five years our export trade with France has increased about 129 per cent. and our imports from that country about 115 per cent.

The last figures we have are for the fiscal year ending June 30, 1901, and these show that our trade with France, both in regard to exports and imports, was the largest on record. Our imports from France were valued at $5,398,021, and our exports to that country $1,581,331, a total trade of $6,998,352.

While in France Sir Wilfrid Laurier is to interest himself in the matter and it is to be hoped that the trade between Canada and the French Republic will in the years to come develop still more rapidly than it has during the past few years.

To France as well as to Great Britain the Dominion is attached by ties of consanguinity.

WIRE NAIL SITUATION IN THE UNITED STATES.

IT is significant that while the iron and steel trade in the United States is in such an active and satisfactory condition, that a most unsatisfactory state of affairs has developed in regard to wire and wire nails. A large business has been done, and, in fact, is still being done, but the trouble is that large as the consumption is the productive capacity of the country is much greater.

The report recently issued of the American Iron and Steel Association says that the production of iron and steel rods in the United States in 1901 amounted to 1,365,934 gross tons, against 846,291 tons in 1900. This is an increase of over 61 per cent. The production of wire nails last year was 9,803,822 kegs, as compared with 7,233,979 kegs in 1900, an increase during the year of over 35 per cent.

In order to relieve the situation it is likely that a number, at least, of the mills will be closed down on July 1, for a period of three weeks. It will be obvious, however, to our readers that this closing down of the mills will only act as a temporary remedy, and the future has yet to be taken into account.

At present, practically no wire nails are exported from the United States into Canada as a result of an understanding with the Canadian manufacturers, the conditions being that the latter purchase their wire rods from the makers in the United States. This, of course, is nothing new to our readers. As long as this agreement lasts it is, therefore, unlikely that this market will be troubled with the competition of wire nails of United States make. That, however, this will always be so is scarcely probable, particularly during a period of depression.

Should the wire nail mills close down, as suggested, it will have the effect of releasing a certain quantity of crude steel and allowing it to be utilized in lines where the demand at present exceeds the supply.

It is, perhaps, worthy of note that, while the wire nail market in the United States is in such an unsatisfactory condition, the demand is fairly good for cut nails and prices are quite firm.

TRADE IN COUNTRIES OTHER THAN OUR OWN.

FINISHED IRON IN GREAT BRITAIN.

IN all the manufacturing centres the mills and forges appear to be fairly well employed, but there is not very much improvement as yet reported in the demand for future supplies. Prices are everywhere well maintained, but until after the Coronation festivities are over, no general opening out of business can be expected. Scotch makers are reported to have booked more export orders lately, and there have been inquiries for common Cleveland iron for export to the East. Bars are offered at £6 5s. The Staffordshire works are steadily employed, and the amount of work in hand has increased. Makers of best iron in West and South Yorkshire have secured some good orders lately.—Iron and Steel Trades Journal, June 14.

PRICE OF NUTS HIGHER IN THE STATES.

At a meeting of the United States manufacturer of nuts in Atlantic City recently an advance of 2-10c. per lb. was made in the price of both cold punched and hot pressed square nuts, and an advance of 3-10c. per lb. in both cold punched and not pressed hexagon nuts. Iron Age says the manufacturers united in giving gratifying reports in regard to the volume of business and the prospect of the continuance of satisfactory conditions.

STEEL TRADE IN SHEFFIELD.

Orders for steel from the home railway companies are light but steady, and colonial and foreign railways are providing this important department of Sheffield trade with a fair amount of work. The returns of the exports of steel last month tell a rather depressing tale. Nearly all the markets of the continent as well as Australia showed a decrease, the only cheerful items being increases to Canada and the United States, due to the fact that the demand for steel in the latter country has caught up to production, a condition of things which can only be regarded as temporary. Seeing that the figures are compared with a bad month last year, it is clear that Sheffield is sending abroad much less than the average tonnage of tool and other kinds of crucible steel.—Ironmonger.

PIG IRON TRADE IN THE STATES.

More of a disposition to buy for the first half of 1903 appears among the foundries, and considerable business has been closed or negotiated in the week with Northern furnaces. Southern producers as a rule are not quoting for next year. Ohio furnaces are selling for 1903 on the basis of $21 and $21.50 at furnace. The recent reports of purchases and negotiations by the United States Steel Corporation for Bessemer iron for the second quarter of next year are erroneous. No purchases have been made since that of two month ago for the six months ending with March 1903. It is not expected that business for the second quarter of 1903 will be put through in the near future, as Valley furnacemen and the steel corporation are at variance on the matter of prices.—Iron Trade Review.

BRITISH PIG IRON TRADE.

There is a considerable amount of activity in the pig iron trade, and the current output is passing readily into consumption. Under these circumstances makers are in a position to firmly adhere to their quotations, and a few advances have taken place during the past week. Makers, however, have not in all cases been able to do much business at the higher prices, and, on the whole, pig iron remains at about the same level as last week. In the Cleveland district No. 3 was put up to 49s. 6d. by some producers; but 49s. 3d. has been more generally quoted, and this figure has not been obtainable for forward deliveries, for which consumers offer 3d. less. The lower qualities of Cleveland pig are rather dearer this week; but in the local hematite market the same weak and dull conditions which we have had occasion to note of late are still prevailing. In Barrow, however, hematite is in active demand, and mixed numbers are about 3s. 6d. dearer than on the East Coast. The following is a statement of the present stocks of pig iron in public stores:

Public stores stocks, in tons:	Wednesday.
Connal's at Glasgow	52,640
Connal's at Middlesbrough	143,800
Connal's at Middlesbrough, hematite	300
West Coast hematite	14,030
N.E.R. Stores, Middlesbrough	....

During the week ending June 10 the stocks at Middlesborough increased by 1,320 tons. At Barrow they decreased by 160 and at Glasgow by 70 tons. On the year there is a decrease of 4,360 tons at Middlesborough, and a decrease of 1,040 at Barrow and 5,700 at Glasgow. The net change during the week is an increase of 1,090 tons and during the year to date a decrease of 2,400 tons.—Iron and Coal Trades Review, June 13.

BRITISH TINPLATE TRADE.

During the past week the demand for tinplate has been well sustained for both prompt and forward deliveries, and a steady business is reported. Spot plates have changed hands at 13s. 6d. and 13s. 7d½d. per box of I C. 14 x 20 112 sheets, 108 lb. Bessemer cokes, and sales for July and August delivery have taken place on the same basis. Most makers are comfortably booked over the next couple of months, and are, consequently, firm in their quotations, which range from 13s. 7½d. to 14s. per box f.o.b. Wales, for Bessemer cokes, Siemens' cokes being generally quoted at 1½d. more money.—Iron and Coal Trades Review, June 13.

INQUIRIES ABOUT CANADIAN TRADE

Among inquiries received by the Canadian Section of the Imperial Institute were the following:

1. A firm of wholesale and export stationers is prepared to appoint a suitable Canadian resident agent.

2. A company manufacturing fireclay goods asks to be placed in communication with Canadian importers of these materials.

3. A company which manufactures electric lamps and all kinds of electrical materials and appliances wishes to develop trade in Canada, and seeks the services of an influential resident agent.

4. A London house wishes to hear from Canadian producers of "pine wool" and excelsior, with samples and prices.

RETAIL MERCHANTS TO ASSEMBLE

There will be a big convention of retail merchants from all over the Province at Toronto on September 9 and 10. This meeting will be held under the auspices of the Retail Merchants' Association of Canada, and over 500 delegates are expected to attend.

The various sections of that organization will meet during the two days at various places, and a general meeting will he held on the evening of the first day, which will be followed by a banquet on the second night.

GALT BOARD OF TRADE.

At a meeting of the Galt Board of Trade, June 20, reports from the sugar-beet committee stated the result of an interview with Mr. McCormick, secretary and manager of the Wallaceburg factory. Prospects were bright. To defray the expenses of the past campaign the town council will be asked for $200 and the township council for $100.

Considerable complaint was expressed at the mail service from the east, all mail being held over at Hamilton.

The railway committee were instructed to take action to secure a reduction in the excessive coal rates.

Notice was given of a resolution to make the membership fee $2 instead of $1. President F. H. Hayhurst submitted his report of the Board of Trade Conference in Toronto. The Board of Trade will hold its annual meeting on July 10.

THE BRITISH LUMBER TRADE.

THE arrival of lumber vessels in Great Britain from British North America during the past month have been 18,587 tons register, as reported in Farnworth & Jardines's Wood Circular of June 2, against 12,605 tons register during the corresponding month last year, and the aggregate tonnage to this date from all places during the years 1900, 1901, 1902, has been 119,404, 117,416 and 137.121 tons respectively.

The timber business in Great Britain during the past month has, on the whole, been of a satisfactory character, the deliveries have realized expectations, and values have been well maintained. Stocks, with the exception of pitch pine, are within a moderate compass.

Of Canadian woods, there have been no importations of either waney or square pine during the past month. The consumption has been small, but the stock is very light ; values are firm. In red pine there has been little inquiry ; stocks are small. Oak has not been imported during the past month ; there has been a fair inquiry for first-class wood, the stock of which is now considerably reduced, and prices are firm. In elm, rock elm is in fair demand ; the stock of this wood is moderate. Ash is in limited demand, and the stock is sufficient. Quebec pine deals have arrived freely, the consumption has been satisfactory, but stocks are still too large ; values remain practically unchanged. Red pine deals are not in good demand ; stocks are sufficient.

In New Brunswick and Nova Scotia spruce and pine deals, the import, amounting to 8,870 standards, is considerably in excess of the quantity imported during the month last year. The deliveries, however, have been satisfactory, and the present stock, amounting to 9,450 standards, is light ; values are well maintained. Pine deals continue in fair request, stocks are moderate, prices firm.

In birch, logs have been imported on a moderate scale, the consumption has been satisfactory and the stock is not excessive ; values remain unchanged. Planks have been imported more moderately. There has been a good consumption, but the stock is still heavy.

One corgo of British Columbian and Oregon pine arrived containing 71,000 cubic feet. There has been a satisfactory consumption and stocks are not excessive.

A SMELTER IN EASTERN QUEBEC.

An effort is being made to develop the mines in the Eastern Townships of the Province of Quebec. Under the auspices of the Canadian Mining Institute a series of meetings were recently held at Sherbrooke, Que., at which there was brought up for discussion the mineral wealth of these townships. There was exhibited a map descriptive of 50 copper properties existing within a radius of 35 miles of Sherbrooke, and it was advocated that there be established a custom smelter there of at least 100 tons daily capacity. It is stated that the copper ore already in sight would keep this furnace running for at least three years.

A committee has been appointed to arrange for the erection of a smelter and to interview the Government for a grant.

INDUSTRIAL GOSSIP.

Those having any items of news suitable for this column will confer a favor by forwarding them to this office addressed to the Editor.

NEW STEEL ELEVATOR. It is expected that the Grand Trunk Railway Co. will construct next year, at Windmill Point Pier, Montreal, an elevator at a cost of $750,000.

The structure will be of steel and concrete, fireproof, with a storage capacity of 1,000,000 bushels of grain and equipped with the best working house machinery for receiving grain from the freight cars and loading it into ocean steamers.

The Hon. J. I. Tarte has written stating his willingness to expend $200,000 to raise the Windmill Point wharf to facilitate the location of the elevator and warehouse of the Grand Trunk Railway.

The project is now before the Montreal Harbor Board.

PERSONAL MENTION.

Mr. Wm. Smaill, of The Canada Horse Nail Co., Montreal, was in Toronto at the beginning of the week.

Mr. Thomas Davey, manager for John Lysaght, Limited, in Melbourne, Australia, passed through Canada last week en route for England, stopping a day each in Toronro and Montreal.

Mr. J. M. Collins, hardware manufacturers' agent, Montreal, spent Sunday, June 22, in Toronto. He has been travelling in Ontario since 1876, and business he finds better this year than it has ever been in all his experience.

CATALOGUES, BOOKLETS, ETC.

PRICE LIST ON PIPE AND FITTINGS.

The Fairbanks Co. have just published their price list of pipe, valves, fittings and steam specialties. In case any of our readers have not already secured a copy of this price list, by dropping a post card to headquarters one will be gladly mailed them.

AMERICAN SCREW CO.'S REPORT.

THE statement of earnings of The American Screw Company for the year ended December 31, 1901, has just been issued. It shows the following income account :

	1901.	1900.	1899.
Profits	$152,109	$413.956	$349,153
Dividends, 5 per cent .	162,199	162,500	*97,500
Surplus	†$10,000	$251,456	$251,653

* 3 per cent. † Deficit.

The balance sheet as of December 31 is as follows :

ASSETS.

	1901.	1900.	1899.
Accounts and bills receivable	$192 416	$377,098	$621,089
Supplies, goods, materials, etc.	982,700	834,782	676,259
Cash	378,158	406,055	165,621
Treasury stock	4,789	.....	.....
Quick assets	$1 558 064	$1,617,934	$1,462,969
Plant	2,456,015	2,427,771	2,430.565
Total assets	$4,014,079	$4,055,705	$3,893,534

LIABILITIES.

Accounts payable	$77.287	$47,124	$136,408
Capital stock	3,250,000	3,250,000	3,250,000
Surplus, Dec. 31	686,792	758,581	507,126
Total liabilities	$4,014,079	$4,055,705	$3,893,534

President Thurston, in his report, says : "Notwithstanding the aggressive competition throughout the year, forcing the selling price of the company's product to very low levels, the volume of its products and sales has been greatly enlarged. The settlement of matters connected with associations which expired during the year 1900, and the refitting of a large quantity of machinery which has stood dismantled for years, called for extraordinary expenditures in 1901, which have been written off. By a liberal expenditure for repairs, needed improvements and further reorganization of the mills during 1901, all of which has been written off to mannfacturing expenses, the plant has been fully maintained and its efficiency still further increased. All inventories of goods and materials have been taken on very conservative valuations. During the current year we anticipate that selling prices may decline still further, until none but the best equipped screw plants can handle the business. Under such conditions your best interests may require that dividends should not be paid unless fully earned.

WIRE NAILS
TACKS
WIRE

Prompt Shipment

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

THE FUTURE OF THE COAL TRADE.

"HARDWARE AND METAL" is in receipt of the "Coal Number" of The Indian Mercury, published by C. Kraaig, Amsterdam. This sheet, which has now reached its 25th year of issue, is an independent colonial weekly, the representative organ for commercial, agricultural, engineering and mining purposes in the Netherlands, and East and West Indies.

This number of The Indian Mercury contains statistics of, and remarks upon the coal trade and coal production of British India, Ceylon, China, Cochin China, Formosa, Hong Kong, Japan, Corea, Labuan, the Netherland Indies, the Philippines, Port Said, Sarawak, Siam, Siberia and Straits Settlements, also various data bearing upon international coal trade.

The greater part of the contents of the "Coal Number" is conveyed in the English language, the rest of the text is in Dutch. The figures convey many remarkable facts. The volume contains a vast amount of information, concisely put; the arrangement of the subject matter is methodical. Mr. Kraaig has obviated the difficulty of statistics becoming obsolete by arrangements that the principal tables may be kept up until the year 1905 inclusive. Mr. Kraaig draws the following conclusions:

1. That there is every appearance that, in the course of time, British coal—so far as export is concerned—will lose ground, of course, supposing that no abnormal political or other circumstances interfere.

2. That for the export trade American, Japanese, Australian, German, Canadian and eventually the British-Indian coal trade will come more and more to the front in the comparatively near future, and, in a more remote future, Chinese coal also.

3. That the co-operation of the following factors now already exercises an unfavorable influence upon the export of British coal, or otherwise cannot fail to do so in course of time, viz.:

(a) Growing competition with coal produced in other countries, in consequence of an increase in the output of the latter, accompanied by a decrease in the output of British coal during the year 1901.

(b) Difficulties with British workmen and the numerous consequences thereof.

(c) The much-discussed British export duty.

(d) The fact that, in America, coal is mined by machinery to a far greater extent than is done in the United Kingdom.

(e) The foundation of The Deutsche Kohlendepot Gesellschaft, in Hamburg (whose object is the establishment of coaling stations on the route to China in order to render the German mercantile marine independent of British coal contractors), and of The Centrale fur Bergwesen, Frankfurt A-M.

(f) The French Shipping Bounty Law.

(g) Eventually, "The American Ship Subsidy Bill," and "The Russian Shipping Subsidies."

(h) And, last but not least, the appointment of the "Donetz Coal Committee" (Russian).

(4) That, as regards China, the signing of the Pekin final protocol in September, 1901, and of the Anglo-Japanese treaty on January 30, 1902, will certainly have the result that, unless another serious uprising takes place, foreigners will engage in mining and railway construction in China on a much larger scale than is now the case.

5. That then it is to be expected that, slowly but surely, Chinese coal will become an important article of export.

6. That American coal, which is gaining ground in Europe, was in 1900 shipped for the first time in quantities worth mentioning to Singapore, as well as to Port Said.

7. That — considering the increase in America in the quantity of the output, accompanied by a decrease in the cost of production there (as a result of the regular and important improvement of the methods of exportation)—there is every chance that, also at Singapore and at Port Said, American coal may, in course of time, become a serious competitor.

Whether or not Mr. Kraaig's forecasts will be realized, the conditions of the coal trade as depicted by him deserve careful consideration.

A Definition.

In mathematics RESULTS is defined as meaning "a quantity or value ascertained by calculation."

In painting and paint selling RESULTS may be defined as meaning on the one hand "Economy in cost, good appearance, and long wear," and on the other "Satisfactory sales, a paying profit, and a reputation for the right goods."

When calculated from these points of view

THE SHERWIN-WILLIAMS PAINT

never fails to produce RESULTS.

It gives economy through its large covering capacity and long wear; it gives a good appearance through its splendid colors; and it gives long wear through the materials used in making it and the way it is made.

It brings satisfactory sales through its own worth and the way it is advertised; it affords a paying profit through the sales it brings and the margin there's in it; and it brings a reputation for the right goods through the satisfaction it gives and its own good reputation of over thirty years' standing.

It's the paint for you to sell. The B-13 booklet tells about it. Sent free for the asking.



THE SHERWIN-WILLIAMS CO.

PAINT AND VARNISH MAKERS.

CLEVELAND.

CHICAGO, NEW YORK, NEWARK, MONTREAL, BOSTON, TORONTO, SAN FRANCISCO, KANSAS CITY.



COPPER PRODUCTION OF THE WORLD.

HENRY R. MERTON & CO., of London, have compiled their annual circular on the copper production of the world in 1901. We give below the estimates of this firm, for all countries save the United States and Canada, and we substitute for the former country the figures collected by The Engineering and Mining Journal, and for the latter, those of the Government. Here are the figures in long tons:

	1901.	1900.
Austria	1,015	865
England	600	650
Germany	21,720	20,410
Hungary	320	490
Italy	3,000	2,955
Norway	3,375	3,935
Russia	8,000	8,000
Sweden	450	450
Spain and Portugal	53,621	52,872
Turkey	980	520
Totals, Europe	93,081	91,147
Bolivia	2,000	21,000
Chile	30,000	25,700
Peru	9,520	8,220
Totals, South America	41,520	36,020
Canada	18,282	8,446
Mexico	24,795	22,050
Newfoundland	2,000	1,920
Totals, North America	45,077	32,396
Australasia	30,875	23,000
Japan	27,475	27,840
Cape of Good Hope	6,400	6,720
Totals, outside of U. S.	244,428	217,123
United States	270,616	268,229
Totals	515,044	485,352
Totals, metric tons	523,285	493,118

The increase in the total copper production of the world in 1901 as compared to the previous year was 29,692 tons, or 6.1 per cent. The increase in the production of the United States was only 2,387 tons, or 0.9 per cent., while that of the rest of the world showed a gain of 27,305 tons, or 12.6 per cent. In 1900 the United States furnished 55.3 per cent. of the world's supply, while in 1901 the proportion was 52.5 per cent. The important increases shown in production last year were those of 17 per cent. in Chile, of 16 per cent. in Peru, of 34 per cent. in Australasia, of 13 per cent. in Mexico, and of 116 per cent. in Canada. Spain remains the largest producer, next to the United States.

NOVA SCOTIA MARKETS.

Halifax, June 23, 1902.

THE hardware trade continues on an even basis, although the volume of business being done is not so great as in March, April and May. The volume continues fairly good, and is quite on an equal with previous years. There is no complaint about the promptness of settlements, and the business all over the Province may be considered as in a prosperous and healthy condition. Retail business is good.

* * *

Linseed oil has had another advance and is now being quoted at 87c. for raw in bbl. lots and 92c. for smaller quantities ; boiled is quoted at the usual rate of 5c. over raw. Turpentine has also advanced slightly, and is now quoted at 78c. in bbls. or 83c. in smaller quantities. The demand for both oil and turpentine continues good, and the supplies in stock are moderate. The situation for oil may be stated as very firm, but turpentine shows signs of unsteadiness. White lead is quoted at $5.87 for pure, and $5.50 for No. 1.

* * *

The demand for builders' material is still very good and prices are firm. Some lines have slightly advanced and all are firm. Three-ply roofing is now quoted at $1.15 per roll, two-ply, 90c.; tarred felt, $1.80 ; tarred sheathing, 40c. ; dry, 35c. Cement quotations are : Belgian, $2.40 ; English, $2.75. Considesable of this article has already been sold this season and is still in heavy demand. Pig lead had a recent advance of 25c. Quotations are : $3.75 to $4, and firm with expectation of further advance. Lead coil is $4 75. Considerable sheet lead is being handled and quotation is for 3 lb. or heavier rolls, $4.25.

* * *

All kinds of cordage are firm. Large quantities of the various lines were sold earlier in the season in fitting out the fishermen, and there is still a fair demand. All lines are firm. Manila is quoted 16c. base. British manila, which was subject to a recent advance, is now 14½c. Sisal is quoted at 13c. and is very firm. The fishing vessels will soon be returning and fitting out for the autumn work, which will create a heavy demand in nets, lines, twines and vessel canvas and cordage.

* * *

Wire and cut nails have been and are still in good demand. The price is firm at $2.45 for cut and $2.55 for wire. Large orders for wire fencing have been filled, and there is still a good demand. Quotations are : $3 base for fencing and 3½ to 4½c. for staples. Prices firm.

* * *

The following may be noted as important changes, only some of which have affected the local quotations : Horseshoes have advanced 15c. per keg all around ; Canadian chisel and sharp-edge tool manufacturers announce an advance of about 10 per cent,; chain coil is higher; insulating copper wire advances ½c.; linseed oil and turpentine are advancing in the Southern market ; it is reported to-day that there is liable to be a reduction of ½c. per lb. on rope and seining twines. R.C.H.

To Manufacture "HONEST GOODS" And Sell Them at "HONEST PRICES"

IS A GENUINE PLEASURE AND A REAL SATISFACTION.

That's our experience in the manufacture and sale of

Iver Johnson Single Guns.



Semi-Hammerless. Trigger Action. Automatic Ejector, or Non-Ejector.
Send for new Catalogue just received.

IVER JOHNSON'S ARMS & CYCLE WORKS,

New York Office : 99 Chambers St. FITCHBURG, MASS.

THE BATTY STOVE & HARDWARE CO.

. . . Successors to . . .

The Toronto Branch of THE COPP BROS. CO., Limited.

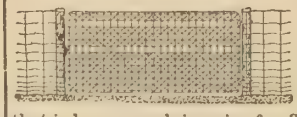
—WHOLESALE DEALERS IN—

Mantels, Grates, Tiles, etc. Coal Grates. Gas Grates. Gas Logs.

HOT-AIR REGISTERS A SPECIALTY.

Stove repairs for the Copp Bros'. make of Stoves and Furnaces.

New Address—76 York St., TORONTO.



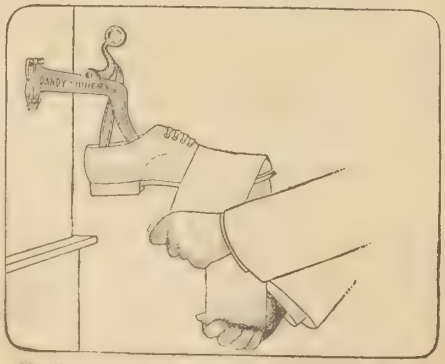
PAGE METAL GATES are so low in price no one can afford to use wooden ones. Light, and yet strong enough to support a heavy man on the end while he swings around the circle without causing them to sag. They are neat in appearance, will last a lifetime. Will not sag nor get rickety. They are supplied with latches which allow them to be opened either way and are self acting. The only good metal gate that is low enough in price for General farm purposes. We also make Farm and Ornamental Fence, Poultry Netting, Nails and Staples. The Page Wire Fence Co.,Limited, Walkerville, Ont.

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY, MONTREAL.

THE DANDY SHINER

(nickel plated)

A HOUSEHOLD NECESSITY



Holds shoe rigid. Fits any shoe. 3 lasts (men's, women's, child's) go with each shiner.

Write for wholesale price to

L. H. Packard & Co., Montreal.

KNOX HENRY

Heavy Hardware and Metal Broker
Room 32 Canada Life Bldg., MONTREAL.



Samples sent free on application.

HORSE NAILS—"C" Brand Horse Nails Canada Horse Nail Co.

"BRASSITE" GOODS — Gunn Castor Co. Limited, Birmingham, Eng.

TRADE WITH ENGLAND

Every Canadian who wishes to trade successfully with the Old Country should read

"Commercial Intelligence"

(The address is 168 Fleet St., London, England.)

The cost is only 4 cents per week, including postage. (Annual subscription, $2.11.)

Moreover, regular subscribers are allowed to advertise without charge in the paper. See the rules.

H. S. HOWLAND, SONS & CO., Limited.

WHOLESALE ONLY

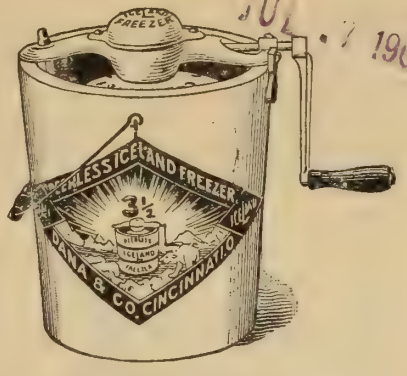
37-39 Front Street West, **Toronto.**

ONLY WHOLESALE

ICE CREAM FREEZERS.



"FREZO."
Quarts—1, 2, 3, 4, 6.
The "Frezo" Freezer (one motion) makes Ice Cream in **Four Minutes.**

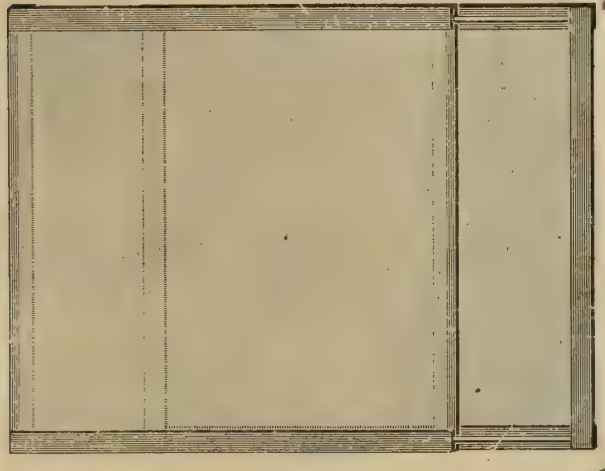


"PEERLESS" ICELAND.
Quarts—1, 2, 3, 4, 6, 8, 10, 12, 16, 20, 25.
TOY FREEZERS. 1 Pint, Nickel-Plated Trimmings.
The "Peerless" Freezer (one motion). It is the simplest freezer made; makes smooth, delicious Ice Cream in **Three Minutes.**



"PEERLESS" FREEZER.
Complete with Fly-Wheel.
Quarts—16, 20, 25.

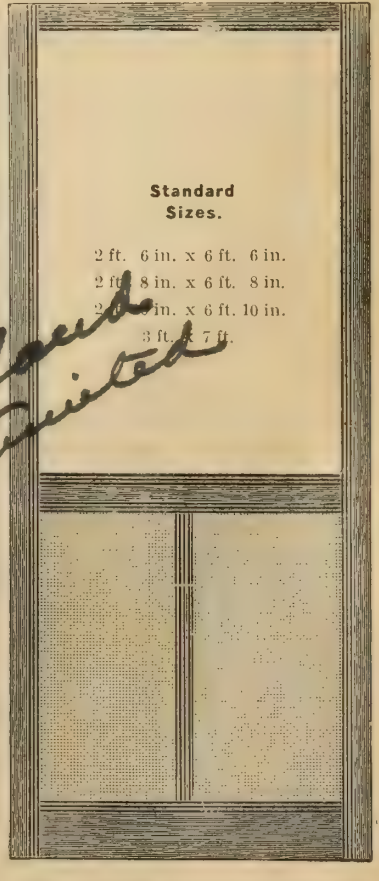
Screen Windows.



"PERFECTION."

14	inches	high,	extends	14 x 22	inches.
18	"	"	"	13 x 20	"
18	"	"	"	14 x 22	"
18	"	"	"	18 x 28½	"
18	"	"	"	20 x 33	"
18	"	"	"	22 x 36½	"
18	"	"	"	24 x 40	"
22	"	"	"	24 x 40	"
22	"	"	"	26 x 44½	"

Screen Doors.



FOR OTHER LINES SEE OUR HARDWARE CATALOGUE.

H. S. HOWLAND, SONS & CO., LIMITED, Toronto.

WE SHIP PROMPTLY

Graham Nails are the Best.

OUR PRICES ARE RIGHT

Factory: Dufferin Street, Toronto.

MACHINERY AND ELECTRICAL SUPPLY DEPARTMENT

A TREATISE ON BORING AND TURNING MILLS.

THE proprietors of machine shops being sometimes in doubt as to the advantages derived from the use of vertical boring and turning mills, we wish to present for their consideration a short description of the Bullard mills, cut of which is shown herewith.

As the boring mill is essentially a vertical face-plate lathe, the makers have endeavored to embody in their design all the characteristics of the lathe, avoiding all the defects inherent to the horizontal construction, and taking advantage of the vertical construction to make a more rigid and accurate machine.

The advantages of the mill are that the work lies upon the horizontal table, and that the total weight of the table and work is taken on a large angular bearing provided for that purpose, which gives great rigidity and smooth cutting.

Face-plate lathes were originally made by leaving off the tail stock from the regular engine lathe, and to this day many makers continue the practice. Had the face-plate lathe been built previous to the engine lathe we venture to say that it would have been made vertical as was the planer.

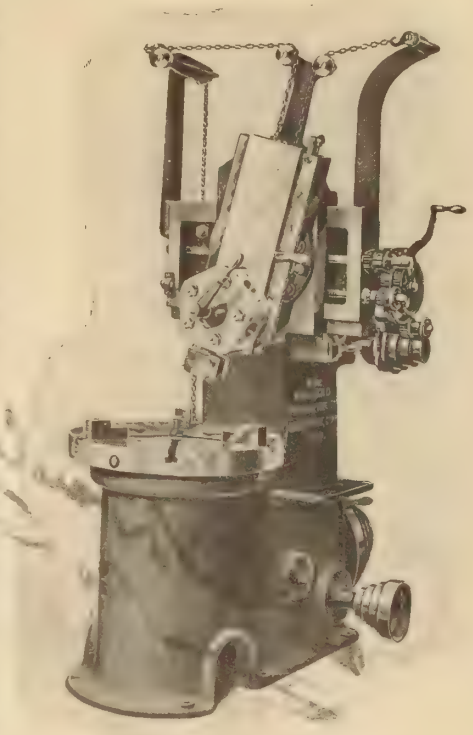
As it is an admitted fact that the strength, life and accuracy of a lathe are largely dependent upon the main spindle. The makers of the Bullard mills have adopted a construction peculiar to the vertical spindle, which is not applicable to a horizontal machine.

Aside from the fact that the spindle referred to has large diameter and consequently large bearing surfaces, it also has a self-centreing tendency, so that the weight of the table and the spindle combined, as well as the weight of the work upon the table, tends to preserve and not destroy the alignment.

That the angular bearing is ample is shown by the fact that when a solid body of cast iron (cylindrical in form, the full diameter of the mill) weighing 33,500 lb. is placed upon the table a maximum pressure of but 84 lb. to the square inch is exerted on the bearing ; while under ordinary working conditions a pressure of but 15 to 20 lb. to the square inch would seldom be exerted.

Should, however, the spindle be raised for fast running, as is advocated by some makers, the pressure on this bearing would be greater than is generally accepted as good practice.

In the Bullard spindle the straight bearings act in conjunction with the angular bearing to receive the side strains, and the nut and washer on the lower step of the spindle act as a precaution against any lifting tendency. To still further obviate trouble of this kind, the tooth form of the pinion and gear by which the table is driven is so designed as to have a rotative effect only, with the result that wide finishing cuts can be taken, leaving the work free from chatter or tooth marks.



Bullard Vertical Boring Machine.

These machines are made with two tool heads, and both can be run to the centre of the table, which position is determined by an absolute centre-stop. While in that position they are bored to a standard, so that a boring bar passing through the vertical slide may be supported in the table, and large, double-ended cutters, drills, or standard seamers may be used.

In order that small drills, boring bars, etc., may be employed without removing the tool posts from the slides, each post is bored to a more taper concentric with the centre of the table spindle. The heads can be swivelled to any angle and are accurately graduated ; so that taper work may be turned, or heads adjusted for boring straight holes, or both heads may be used on work of a small diameter. After exhaustive practical tests the makers have adopted the positive feed, that is, driven by gearing. The convenience and facility with which work can be set on a vertical machine is so apparent that we will refrain from too many details.

It is manifestly easier to lay a piece down than it is to hang it up, and it is also a more simple matter to secure it, the weight of the piece being on the machine and not on the securing device.

On work taken from a lathe the mills are frequently able to effect a saving of from 40 to 70 per cent., the amount saved depending upon the character of the piece.

In conclusion, we wish to state that these machines can be seen at the warehouse of H. W. Petrie, 141 to 145 Front street west, Toronto, who is the Canadian representative of The Bullard Co.

A NEW WINNIPEG MACHINE FIRM.

Mr. E. S. Cooper, of Galt, Ont., for many years associated with Goldie & McCulloch Co., of Galt, as salesman and manager of their gasoline engine department, has gone to Winnipeg to join Mr. James Burridge. Mr. Cooper will take the active management of the outside work of the new firm, Burridge & Cooper, who will carry a large stock of the product of the Goldie & McCulloch Co., Galt, in the different lines of machinery, safes and vault doors. They will extend their business from Port Arthur to Victoria, B.C.

WANTED-- AN AGENT TO SELL

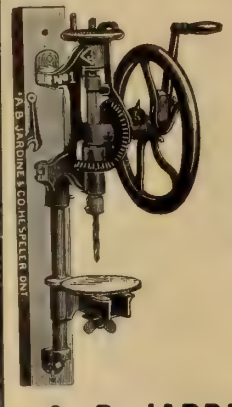
Stocks, Dies and Taps and other Engineers' Hand Tools and Platelayers' Tools to Hardware Factors, Railroad Companies and Mines, on a commission basis. Apply,

Easterbrook, Allcard & CO.,
LIMITED.
SHEFFIELD, ENGLAND.

BARGAINS IN SECOND-HAND ENGINES.

Horizontal Slide Valve Engines,
One Cylinder 4 in. x 5 in. stroke
One Cylinder 8 in. x 10 in. stroke
One Cylinder 8 in. x 12 in. stroke
One Cylinder 5½ in. x 6 in. stroke
One Cylinder 8 in. x 8 in. stroke
Vertical Slide Valve Engines,
One Cylinder 3 in. x 5 in. stroke
One Cylinder 7½ in. x 10 in. stroke
One Cylinder 7 in. x 16 in. stroke
One Cylinder 7½ in. x 18 in. stroke
Peerless Self-Oiling, High-Speed Engines,
One Cylinder 10 in. x 10 in. stroke
One Cylinder 11 in. x 10 in stroke
One Vertical Marine Engine,
Cylinder 4½ in. x 6 in. stroke
One Vertical Marine Engine, Cylinder 4 in. x 4 in. stroke
One Vertical Marine Engine, Cylinder 9 in. x 9 in. stroke
One Triple Expansion Marine Engine,
Cylinder 7 in. x 10¾ in and 16⅜ in. x 8 in.
One Steeple Compound Marine Engine,
Cylinder 7¼ in. and 14 in. x 12 in.
One Double Cylinder Gasoline Marine Engine, 4 H. P.
One Stationary Horizontal Gasoline Engine, 3 H.P.
One Otto Silent Gas Engine, Cylinder 9 in. x 16 in.
One Otto Silent Gas Engine, Cylinder 5¾ in. x 11 in.
Write for descriptions and prices on anything in the machinery line.

H. W. PETRIE, 141-145 Front St. W., Toronto



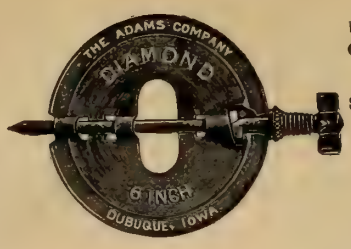
TRADE MARK J REGISTERED

Blacksmiths' Hand Drills.

The very best.

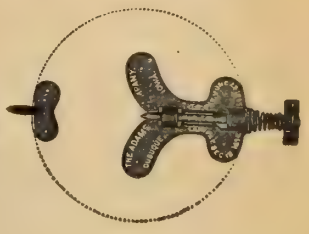
A. B. JARDINE & CO.
HESPELER, ONT.

DIAMOND STOVE PIPE DAMPER AND CLIP.



U. S. Patent June 25th, 1895.
Canadian Pat. Dec. 13th, 1894.

Sold by Jobbers of - - -
HARDWARE
TINWARE
and STOVES,
for furnace pipe, to support the sheet steel blade.



Manufactured by THE ADAMS COMPANY, Dubuque, Iowa, U.S.A.
A. R. WOODYATT & CO., Guelph, Ontario.

"The Peerless"

is the best Bolster Spring ever produced. A fine line for the hardware trade. Write Us For Prices.



James Warnock & Co. = Galt, Ont.



G. A. Crosby & Co. of Ontario,

SARNIA, ONT. LIMITED

Manufacturers of
Patent Automatic Can Making Machinery, Presses, Dies and Special Machinery for Working Sheet Metal.

STANYON ENGINEERING CO.

402 McKINNON BUILDING,
Phone Main 2177. TORONTO

CONTRACTING AND CONSULTING ENGINEERS.

Steel Works, all kinds of Rolling Mills, Wire Mills, etc., all built complete. Machinery designed for any purpose
GENERAL OFFICES, · PITTSBURG, Pa.

American Steel & Wire Co.

New York: Empire Building.
Montreal: New York Life Building.
Chicago: The Rookery.

BARB WIRE. GALVANIZED PLAIN WIRE.
PLAIN TWIST CABLE FENCING.

Telegraph and Telephone Wire, Mattress, Broom, Weaving Wires of every description, Rail Bonds, Bale Ties, Special Wires for all purposes. Springs, Horse Shoes, Wire Rope, Cold Drawn Steel Shafting.

POWER PLANT FOR THE MERSEY TUNNEL.

THE Westinghouse Electric and Manufacturing Co. will make a large shipment of machinery to be installed in the power plants of the Mersey Tunnel Railway. They secured the contract for the conversion from steam to electricity. The plant will consist of three main railway-type generators of 1,200 kilowatts capacity each. These machines are to be direct-connected to cross-compound engines of 1,500 horse-power each. The power house lighting and the electric light of all stations, sidings, etc., will be supplied from a separate generating plant. Two compound wound generators, each having a capacity of 200 kilowatts, direct-connected to compound engines, are to be installed for this purpose. No locomotives will be used ; the first and last cars of a train will be motor cars, each equipped with four 100 horse-power motors. The price to be paid to the Westinghouse company is £635.303, payable as to £620,000 in new 4 per cent. first perpetual debenture stock and £15,303 in cash. The large traffic between Birkenhead and Liverpool last year—about 9,000,000 passengers by steam road and nearly 23,000,000 by ferry-boat—will, it is expected, result in the new electric line being placed among the most important in the world. The contract with the British Westinghouse company calls for the completion of the system by January 15, 1903.

MACHINERY AND ELECTRICAL NOTES.

The Toronto Woollen Machinery Co., of Toronto, has dissolved.

"Salada" Tea Co. have ordered another electric motor from The Jones & Moore Electric Co.

The Citizens Water, Gas and Electric Co. of Strathroy, Limited, Strathroy, Ont., has obtained a charter.

The Standard Electric Co. (late of Toronto), has assigned to D. A. McDonald, and a meeting of creditors is to be held on June 28.

The Jones & Moore Electric Co. have recently installed a motor for The Kennedy Co., Toronto, and a large plating machine for Major Tassie, of Toronto.

The Jones & Moore Electric Co. have received an order from The Parry Sound Lumber Co. for one 30-light arc dynamo ; also one of similar size from W. Carter, Fesserton, Ont.

W. Galbraith, Government surveyor of Bracebridge, Ont., is having a beautiful gasoline launch, 20 ft. long, fitted with a 5 horse-power, double cylinder, gasoline engine, manufactured by The Gasoline Engine Co., of Toronto Junction.

Business is brisk with The Gee Electrical Co., of Colborne street, Toronto. They have just closed contracts with T. Cruttenden, druggist, Howard and Sherbourne streets, Toronto; also with Frank Roden, Poplar Place Road. They recently sold a 100-light dynamo to The Lyons Electric Co., Brantford, Ont. The firm is forced with its number of daily contracts to work day and night.

BOILER INSPECTION.

At a representative meeting of the stationary engineers of Eastern Ontario, held in Brockville on June 23, boiler inspection received considerable attention. The law was decided to be a failure. In the discussion on the Engineers' Bill, those members of Parliament who were absent when divisions were made in committee, especially those who pretended to favor the different Bills, came in for considerable censure.

A NEW GASOLINE LAUNCH.

McKeough & Trotter, of Chatham, Ont., have on the stays a beautiful new gasoline launch with which they will navigate the Thames River during the summer months. The craft, which is about 25 ft. over all, is capable of accommodating 30 people. A Wallaceburg firm is responsible for her lines, the owners installing the machinery. An engine of 4½ horse-power drives a 10-inch propeller at the rate of 400 revolutions per minute, while the noise usually so characteristic of a small launch is precluded by means of a special exhaust.

INQUIRIES AND ANSWERS.

C.N.S. writes : "Can you tell us the name of a firm who manufactures machines for making fish hooks? We want to get into communication with such a firm for a patent wire device which we want die to stamp."

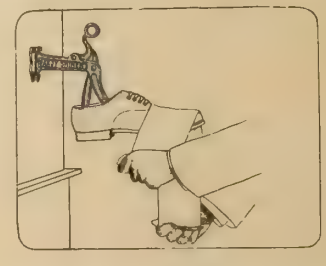
[Remarks : We know of no such firm. Pephaps some of our readers can supply the desired information.—THE EDITOR.]

GONE TO VANCOUVER.

Mr. T. M. Cullen, who has been bookkeeper for some time with The Fairbanks Co., Montreal, left on June 16 with his bride for Vancouver, B.C., where he assumes the position of bookkeeper and cashier in the new branch of the above firm. Mr. Cullen was given a send-off by his fellow workers and presented with a purse of gold as a token of the esteem in which he is held by his friends in the company.

THE "DANDY" SHINER.

HARDWARE dealers in Canada have attained the commendable reputation of always being ready to take hold of a good thing and push it along, providing the good thing proves itself to be a desirable article. L. H. Packard & Co., Montreal, are now placing on the market a shoe-shiner, which has already proven itself most popular, which fact is evidenced by the large demand for it. Hardware merchants would find this shiner a good seller. When you can tell your customers that there is no further necessity of their leaning over



and nearly breaking their backs in order to shine their shoes, it stands to reason they will be interested. The "Dandy" shiner altogether eliminates straining of backs, and adds to the blessings of a household. The contrivance is easily clamped on the wall, or any other convenient place, and the shoe is readily placed on a neat wooden last, the ratchet tightening it to fit the shoe. Three lasts of different sizes go with the shiner. The shiner is nickle-plated, and is by no means unornamental. It can easily be removed from its socket and hung up. The illustration published in this article will give the reader a slight idea of the shiner, the retail price of which is $1, but your customers will consider this price a mere trifle when compared to the usefulness of this shoe-shining device. It will pay all wideawake dealers to "get into line" and order a supply of these shiners, which should sell well.

THE TRADE LIKES THEM.

Since the opening of the spring trade there has been an enormous demand for "Comet" galvanized Canada plates and galvanized sheets of the same brand. Alexander Gibb, who is the agent for these goods in Canada, reports business even more satisfactory than anticipated.

NAILS
Right Prices
Quick Shipments
Quality Guaranteed
Also
STAPLES
Write, Telegraph or Telephone
Page Wire Fence Co.
Limited
Walkerville, Ontario

Hardware Men Sell Our Popular Lines

from Catalogues and Samples.

—WE MANUFACTURE—

Office and Bank Railings,
Wire Window Guards, Stable Fittings,
Roof Cresting, Fencing, Etc.
Specialties in Wire and Metal.

Our manufactures are wanted everywhere. We want a hardware firm in every town to act as our selling agents. Write for particulars and catalogues.

The Dennis Wire and Iron Co.,
LONDON, ONT.

Buy the Best.



HERCULES

Sash Cord.

Star Brand Cotton Rope
Star Brand Cotton Clothes Lines
Star Brand Cotton Twine

For Sale by all Wholesale Dealers

Banner Cold Blast
Banner Junior Brass
Climax Safety Tubular
Little Bobs Brass
} Lanterns

SHELBY INCANDESCENT LAMPS,
LAMP BURNERS, ETC.

Manufactured by

The Ontario Lantern Co.
HAMILTON

Walter Grose, Selling Agent, Montreal.

The Grey and Bruce Portland Cement Company of Shallow Lake, Limited,

Manufacturers of
"HERCULES" BRAND OF

Portland Cement

Unsurpassed for Sidewalks, Floors, and all work requiring the Highest Grade of Portland Cement.

HEAD OFFICE: OWEN SOUND.

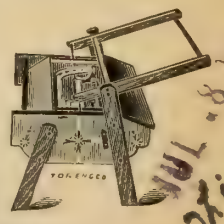


"DAISY" CHURN

Has tempered steel cased bicycle ball bearings, strongest, neatest and most convenient frame. Only two bolts to adjust in setting up. Steel Bow Levers, suitable for either a standing or sitting posture. Has four wheels and adjustable feet to hold stand steady while churning. When churn is locked to stand the bow can be used as handles to move it about on the front wheels as handy as a baby carriage. Open on both sides to centre, giving free space for pail. Made with wood or steel stands, with Cranks only, or Bow Levers as desired.

Vollmar Perfect Washer

Has a most enviable record. A perfection of its kind—will wash more clothes in less time, do it better and easier, with less wear and tear, than any other machine.



THE
Wortman & Ward Mfg. Co.,
Limited
LONDON, ONT.
Eastern Branch, 60 McGill Street, Montreal, Que.

WHAT DO YOU REQUIRE IN THE WAY OF

CANS?

WE MANUFACTURE THE VERY BEST QUALITY OF

Paint and Color Cans, round and square. **Varnish and Oil Cans.**

Paint Irons. **Paint Packages.** **Lye Tins.**

and every description of Tin or Can required by the trade. We shall be pleased to send you quotations for anything you need in our line.

THE ACME CAN WORKS

Office and Factory: Ontario St. and Jeanne D'Arc Avenue.

Jas B. Campbell. MONTREAL. William Pratt.

THE "**GLOBE**" POLISH HAS COME TO **STAY** AND ALL **DEALERS** CAN STOCK IT WITHOUT HESITATION.

TRY "GLOBE" AND YOU WILL USE NO OTHER. IT IS THE BEST.

"GLOBE" METAL POLISH

Write for a supply of Show cards and Advertising Novelties.

—WE SHALL BE PLEASED TO ANSWER ALL ENQUIRIES.—

RAIMES & CO., 164 DUANE ST., NEW YORK CITY.

SCALES USED CENTURIES AGO.

As though some hideous giant had wakened in his wrath,
And hurled the hate of hell along his path.

MORE than eighteen centuries ago that unchained vent of the Plutonian furnaces bleched forth its awful smothering elements of ruin and wrapped the city of Pompeii within its



shroud of death. The story of that dreadful hour is again unfolded in its awful counterpart—the St. Pierre disaster of May 8, 1902. Only those who saw and lived to describe this awful repetition of the destruction of Pompeii can imagine it in all its horrible aspects, but the story of Pompeii has lived as St. Pierre will live, through its survivors and eye witnesses. On the afternoon of November 5, in the year 79, when life in Pompeii was running its sands, much as life is now running in an active city of 30,000 souls, its streets and shops filled with activity, and its theatres filled with pleasure seekers; in the midst of this commercial activity and abandon to revelry, Vesuvius burst forth in awful eruption. Darkness reigned supreme. Escape was well nigh impossible; the crazed and stricken inhabitants dying in their tracks. What we know of the horrible agony of that hour of doom is told us by the hideous images the Sculptor Death has cast in the matrix of molten lava and ashes. For more than half a century men have been engaged in the exhumation of this city whose souls have occupied a single grave since the beginning of the Christian era. Many thousand signs of life as it was moving along on that fateful day of November have been taken from Pompeii ruins. Objects of art in marble, bronze and fresco, the bakers' oven filled with bread, as it was being prepared for sale to the hungry populace, and the weighing instruments taken from this tomb of ages.

The accompanying illustrations are made from actual photographic reproductions of pictures of some of these most remarkable finds, and reveal the almost incredible fact that the Spirit of Invention seemed buried with Pompeii; for not until the dawning of the century just ushered into history were there any improvements in the crude weighing devices that have come down to us through the ages. It is indeed interesting to look upon these scales, buried as they were so long from human sight. It remained for the last decade of the 19th century to develop the first and only radical deviation from the patterns of these old heirlooms. The Computing Scale Company, the pioneer manufacturers of computing scales, gave the public the first and basic improvements of money-weight or computing scales, and proudly claim the honor of inventing and marketing the first complete departure from Pompeiian relics. Not unlike the buried treasures of Pompeii are the sunken treasures of merchants who have clung to the old methods of weighing. Thousands upon thousands of dollars to-day lie buried under the elements of a Vesuvius—a Vesuvius of waste, error and down weight. Will you continue to cling to these old Pompeiian scales which still infest the market, and leave a legacy to posterity in a fortune saved by the Money-Weight System?



Relics of the Pompeiian Disaster.

CORRECT BOTH TIMES.

A young fellow who was looking for a clerkship was recently recommended to a Kalamazoo merchant by a Vicksburg gentleman. When the two friends met some time thereafter the Vicksburg gentleman ventured to hope that his recommendation had been productive of good results.

"On the contrary," replied the merchant.

"You astonish me," said his friend.

"I thought he would suit you exactly; he was so full of go."

"And so he was. He has gone off with $1,000 of my money."

"Is it possible? And I thought he was the very man you were looking for."

"You are right there. He is the very man I am looking for."

WIRE NAILS IN THE STATES.

The prompt shipments which are now obtained from mills indicate that the demand for wire nails is not so pressing. In fact, orders are not being placed in nearly so large a volume as previous to the beginning of the month. Shipments on contracts placed some time ago are now being made.—Iron Age.

John Bowman

HARDWARE & COAL CO.

LONDON, ONT.

Our stock of goods for the spring trade is now complete, and we can fill all orders promptly on the following lines :

Wire, Nails, Cordage, Window Glass, White Lead, Paints, Whiting, Churns, Linseed Oil, Spades and Shovels, Screen Doors, Wove Wire, Poultry Netting, Builders' Hardware, Guns and Sporting Goods. Finest stock in the Province of Cutlery.

Prompt Shipment. Prices Right.

DOMINION

Wire Manufacturing Company, Limited

Head Office **MONTREAL** Que.

Branch Office **TORONTO** Ont.



Annealed,
Oiled and Annealed,
Bright,
Bright Spring,
Coppered,
Coppered Spring,
Brass, Brass Spring,
Copper, Tinned and
Galvanized WIRES.



Wire Nails,
Wood Screws.
Jack Chain.
Cotter Pins.
Bright Wire Goods.
Door Pulls.
"Crescent"
Coat and Hat Hooks
Tinned Bottling
Wires.

Fence, Poultry Netting, Bed and Blind Staples.

COPPER AND GALVANIZED WIRE
For Telegraph and Telephone Lines.

Locks and Builders' Hardware.

We have a most complete line of all these goods, including the very newest ideas in

Bronze and Brass Knobs, Door Sets and Escutcheons.

LOCKS AND LATCHES OF ALL KINDS.

Any dealer asking for a catalogue will be sent full prices, discount sheets, etc., etc. Drop a card.

ESTABLISHED 1843. INCORPORATED 1893.

THE Gurney-Tilden Co., LIMITED

Hamilton. Toronto. Montreal.

AGENCIES:—ST. JOHN, N. B., VANCOUVER, B. C.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

Montreal, June 27, 1902.

HARDWARE.

IN general the market has been marked by a continued activity throughout the week. Jobbers report an increased number of buyers from outside points in the city, and with a continuance of bright weather this condition of affairs is expected to improve. The mills have been fairly busy, but no great rush has been necessary. A meeting of manufacturers was held last week in regard to wire nails, but nothing of importance came of it. The meeting was adjourned to Muskoka. There seems to be some scarcity of heavy goods on the market, and prices are somewhat firmer on such lines. A reduction of ½ to 1c. has been made on manila rope.

SCYTHES.—The demand this week is fair with no change in prices to report. We quote: Lance, No. 80, $5.50; Hurd's Clipper, $6.50; concave, $7.50; Sibley, $8.50; Cradle scythes, cast steel, $8.50; silver steel, $9.50; "Harvest King," $10.50. Bush scythes, $6.50.

BARB WIRE.—There is not much doing in this line. Barb wire is quoted at $3 per 100 lb. f.o.b. Montreal.

GALVANIZED WIRE.—There has been no important change in this market which is somewhat quiet this week, and our quotations are now as follows: Nos. 6, 7 and 8 gauge, $3.15; No. 9, $2.80; No. 10, $3.55; No. 11, $3.65; No. 12, $2.95; No. 13, $3.05; No. 14, $4.05; No. 15, $4.55; No. 16, $4.80; No. 17, $5.20; No. 18, $5.45.

SMOOTH STEEL WIRE.—Trade continues dull and prices quoted are unchanged, which are as follows: Bright iron and annealed on a base of $2.60 per 100 lb. f.o.b. Montreal, Toronto, Halifax, London, Hamilton and St. John. Net extras per 100 lb. are as follows: Coppered wire, 60c.; tinned wire, $2; oiling, 10c.; spring wire, $1.25; best steel wire, 75c.; bright soft drawn, 15c.; special hay-baling wire, 30c.

FINE WIRE.—There is not much doing in fine wire. The discount is 22½ per cent.

BRASS AND COPPER WIRE.—Both these wires continue to move very slowly and the discount remains at 60 per cent.

FENCE STAPLES.—Business in fence staples is of a quiet nature this week, and the prices of both bright and galvanized are unchanged. These are $2.90 per 100-lb. keg for bright, and $3.25 for galvanized. 25 and 50-lb. packages, 25c. extra.

WIRE NAILS.—There is a continued lively movement in wire nails. At the meeting of manufacturers last week the prices and terms were not altered, and we still quote small lots at $2.55, and carlots, $2.50 f.o.b. Montreal, London, Hamilton, Toronto, Gananoque, Brantford, Windsor, Ont., St. John and Halifax.

CUT NAILS.—The market is still active. The price has not been changed, and small lots are worth $2.45 per keg; carlots, $2.37½ per keg. Flour barrel and coopers' nails are discounted at 40 per cent.

HORSE NAILS.—Trade in this line is still quiet. We quote the discounts as follows: "C" brand, 50 and 7½ per cent. off; "M" brand, for "Oval" and "New City" heads, 60 per cent. off, and for "New Countersunk" heads, 66 2-3 per cent. off. "Monarch" horse nails are also discounted at 66 2-3 per cent.

HORSESHOES.—The conditions on the market are practically unchanged. The demand is light and trade is quiet, and our quotations are as follows: Iron shoes, light and medium pattern, No. 2 and larger, $3.50; No. 1 and smaller, $3.75; snow shoes, No. 2 and larger, $3.75; No. 1 and smaller, $4.00; X L steel shoes, all sizes, 1 to 5, No. 2 and larger, $3.60; No. 1 and smaller, $3.85; feather-weight, all sizes, $4.85; toe weight, steel shoes, all sizes, $5.95 f.o.b. Montreal; f.o.b. Hamilton, London and Guelph, 10c. extra.

METALS

We always have on hand a heavy stock of metals in every gauge and size.
You may require some of these:

GALVANIZED SHEETS,
Flat and Corrugated
BLACK SHEETS
CANADA PLATES
TIN PLATES

TINNED SHEETS
TERNE PLATES
COPPER SHEETS
INGOT TIN

We will be pleased to answer inquiries for both import and from stock.
We are the only manufacturers in Canada who make or carry "Everything for the Tinshop."
By consolidating your account with us you can save money in both time and freight, and then there are many other advantages we can give which one line manufacturers cannot afford to do.

The McClary Manufacturing Co.,

LONDON, TORONTO, MONTREAL, WINNIPEG, VANCOUVER, AND ST. JOHN, N.B.

"Everything for the Tinshop"

ENGLISH
GERMAN
BELGIAN
CANADIAN
AMERICAN
} PORTLAND CEMENTS.

FIRE
BUILDING
ENAMELLED
SILICA
MAGNESIA
} BRICKS.

DRAIN
CULVERT
} PIPES.

F. HYDE & CO.
31 WELLINGTON ST., MONTREAL

. . FULL STOCK . .
Salt Glazed Vitrified
SEWER PIPE
Double Strength Culvert Pipe a Specialty.
THE CANADIAN SEWER PIPE CO.
HAMILTON, ONT. TORONTO, ONT.
ST. JOHNS, QUE.

Deseronto Iron Co.
LIMITED
DESERONTO, ONT.
Manufacturers of
CHARCOAL PIG IRON
BRAND "DESERONTO."
Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

"MIDLAND"
BRAND
Foundry Pig Iron.
Made from carefully selected Lake Superior Ores, with Connellsville Coke as fuel, "Midland" will rival in quality and grading the very best of the imported brands.
Write for Prices to Sales Agents
Drummond, McCall & Co.
or to MONTREAL, QUE.
Canada Iron Furnace Co.
MIDLAND, ONT. Limited

SCREWS.—Jobbers report a continued good demand for screws, and shipments are in active progress this week. Discounts are: Round head bright, 82½ and 10 per cent.; flat head bright, 87½ and 10 per cent.; brass, round heads, 75 and 10 per cent.; brass, flat heads, 80 and 10 per cent.

BOLTS.—Bolts are still moving out quite freely at unchanged prices. Discounts follow: Norawy carriage bots, 55 per cent.; common, 50 per cent.; full square carriage bolts, 55 per cent.; machine bolts, 50 and 5 per cent.; coach screws, 66 2-3 per cent.; sleigh shoe bolts, 65 and 5 per cent.; blank bolts, 50 and 5 per cent.; bolt ends, 50 and 5 per cent.; plough bolts, 50 and 5 per cent. To any retailer an extra discount of 10 per cent. is allowed. Tire bolts, 67½ per cent.; stove bolts, 67½ per cent. Nuts, square, 3¼ per lb. off list; hexagon nuts, 3⅜c. per lb. off list. To all retailers an extra discount of ¼c. per lb. is allowed.

BUILDING PAPER. The firm feeling in this market still prevails and prices are maintained on all lines. The demand is good. Our quotations are as follows: Tarred felt, $1.70 per 100 lb.; 2-ply, ready roofing, 85c. per roll; 3-ply, $1.10 per roll; carpet felt, $2.25 per 100 lb.; dry sheathing, 35c. per roll; tar sheathing, 45c. per roll; dry fibre, 50c. per roll; tarred fibre, 60c. per roll; O K and I X L, 65c. per roll; heavy straw sheathing, $30 per ton; slaters' felt, 60c. per roll.

CORDAGE.—Business in cordage has not been very active and a reduction in price has been made in manila and British manila. The former is ½c. lower and is now quoted at 15½c., while British manila sells at 13½c., a decline of 1c. There has been a good demand for binder twine, and the scarcity is more pronounced this week, and our quotations are now as follows: Manila, 15½c.; British manila, 13½c.; sisal, 13c.; lathyarn, 11½c. Prices on binder twine are as follows: Blue Ribbon, 650 feet to the pound, 15c.; Redcat, 600 feet to the pound, 14c.; Tiger, 550 feet to the pound, 13c.; Standard, 500 feet to the pound, 11½c.; sisal, 500 feet to the pound, 11½c. Prices are subject to a rebate of ¼c. in carload lots.

RIVETS AND BURRS.—There is a moderate inquiry. No quotable change has occurred, and we quote as follows: Best iron rivets, section carriage, and wagon box, black rivets, tinned do., coopers' rivets and tinned swedes rivets, 60 and 10 per cent.; swedes iron burrs are quoted at 55 per cent. off; copper rivets, with the usual proportion of burrs, 45 and 10 per cent. off, and coppered iron rivets and burrs, in 5-lb. carton boxes, are quoted at 60 and 10 per cent. off list.

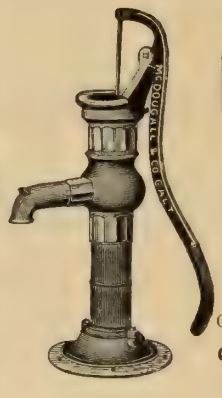
SCREEN WIRE CLOTH.—Trade continues fair and at an unchanged price. This is $1.37½ per 100 square feet.

POULTRY NETTING.—Jobbers report an improvement in the demand this week. The market, however, is still quiet. The discounts on Canadian or English netting are: 2 x 2 mesh, 19 wire, 50 and 10 per cent.; 2 x 2 mesh, heavier wire, 50 per cent. Canadian list used.

HARVEST TOOLS.—There is an active movement in harvest tools at unchanged prices. The discount is 60 per cent.

FIREBRICKS.—The market is not active. Scotch firebricks sell for $17 to $22, and English for $16 to $22 per 1,000.

A. C. LESLIE & CO.
HEADQUARTERS FOR
IRON, STEEL and METALS
BEST BRANDS AT LOW PRICES TO WHOLESALE BUYERS.
Sanderson's Steel in Stock
509-512 Merchants Bank Building,
MONTREAL.

THE R. McDOUGALL CO., Limited,
GALT, ONT.
Manufacturers of

Iron and Brass
PUMPS
FOR ALL SERVICES.
FORCE PUMPS,
LIFT PUMPS,
CISTERN PUMPS,
HAND OR POWER PUMPS
OF ALL KINDS.
Catalogue for the asking.
OUR MOTTO: "The best quality and right prices."

We offer for Prompt Shipment—
Pig Iron,
No. 1 "Carnbroe"
No. 3 "Middlesbro"
Pig Tin,
Straits
Lamb & Flag
Ingot Copper,
"M. & A." and "Lake"
Lead,
Antimony.
ADAM HOPE & CO.
Hamilton, Ont.

NOVA SCOTIA STEEL & COAL CO., Limited
NEW GLASGOW, N.S.
Manufacturers of
Ferrona Pig Iron
And SIEMENS MARTIN
OPEN HEARTH STEEL.



More **Elastilite Varnish**

sold up to date this year than during any previous twelve months since we introduced it. "Reason?" There never has been, there is not now, and we doubt if there ever will be a Varnish put up, either by domestic or foreign makers, equal to ELASTILITE for the same money.

In tins only, from ½-pints to 1 gallon.

MANUFACTURED ONLY BY

The Imperial Varnish & Color Co. LIMITED

Toronto, Ont., Canada.

Canadian Agents for Buehne's "Red, White and Blue" Brand Steel Wool.

A rrange for our Agency
R ight away and do not
K eep your customers without

"ARK BRAND"

B ecause it is honest,
R eliable, and backed by
A strong guarantee.
N one to equal it in value.
D o not forget to write to-day.

THE **FRANCIS-FROST C°. Limited**
TORONTO.

Canadian Distributing Agents for Grippin's Crack Filler.

CEMENT.—There has been no change in this line, which is in fair demand at the prices we quote: Canadian cement, $1.90 to $2.25; German, $2.20 to $2.30; English, $2.15 to $2.25; Belgian, $1.70 to $1.95 per bbl. ex-wharf, and American, $2.10 to $2.20 ex-cars.

METALS.

The local metal market has not altered very materially since our last report. A much better business has been done in coil chain, which is now being inquired after very freely by western firms. The English market has been steady in most lines. Canada plates and tinplates, however, have shown considerable weakness.

PIG IRON.—The demand for pig iron keeps up, and supplies being still light, the market remains as firm as ever. Canadian pig iron is quoted at $18.50 to $19, and Summerlee, at $21.50 to $22.

BAR IRON.—The market is active and prices have been unchanged. Horseshoe iron is quoted at $2.20, and merchants' bar at $2.

BLACK SHEETS.—There has been no improvement in the demand for black sheets, and the market remains rather quiet. Prices, which have not changed, are as follows: 28 gauge, $2.65; 26 gauge, $2.60; 20 to 24 gauge, $2.50, and 8 to 20 gauge, $2.50.

GALVANIZED IRON.—The English market is reported firmer on galvanized iron. Locally, prices are steady under a good demand. We quote: No. 28, Queen's Head, $4.40; Apollo, 10¾ oz., $4.40; Fleur de Lis, $4.15; Comet, $4.25; "Bell" Brand, $4.20. For less than case lots 5c. extra is charged.

INGOT COPPER.—Trade is not active. The price is 14c.

INGOT TIN.—The advanced price of last week for ingot tin has been well maintained. There is a fairly good demand at 33½c. for Straits.

PIG LEAD.—No quotable change has occurred. The market is still quiet, and the price is steady at $3.25.

LEAD PIPE.—No further advance has been made this week. Business is fairly active at 8c. for composition and waste, and 7c. for ordinary. The discount is 37½ per cent.

IRON PIPE.—There is a good movement in iron pipe, and prices are unchanged and steady. Quotations are as follows: Black pipe, ⅛, $3; ¼, $2.40; ⅜, $2.65; ½, $3; ¾, $3.70; 1-in., $5.25; 1¼, $7.40; 1½, $8.90; 2-in., $12.40. Galvanized, ¼, $3.20; ⅜, $3.45; ½, $4; ¾, $5.05; 1-in., $7.25; 1¼, $10.10; 1½, $12.15; 2-in., $16.70. Extra heavy pipe, plain ends, are quoted, per 100 ft., as follows: Black, ½, $4.35; ¾, $5.30; 1-in., $7.60; 1¼, $10.60; 1½, $12.70; 2-in., $17.45. Galvanized, ½, $5.35; ¾, $6.70; 1-in., $9.60; 1¼, $13.30; 1½, $15.95; 2-in., $21.75. For threads and couplings 5 per cent. is added.

TINPLATES.—These have been weak on the English market. Locally, there has been no change in prices. We do not hear of further scarcity this week. The price of charcoal tinplates is $4.75 to $5.25 per box and of cokes, $4.25 per box.

CANADA PLATES.—Dealers here report a satisfactory business and steady prices. The demand for galvanized plates has been exceedingly heavy. On the primary market the situation is different, and it is reported that considerable weakness has developed in Canada plates. On the local market these prices are quoted: 52's, $2.70 to $2.80; 60's, $2.85 to $2.90; 75's, $2.80 to $2.85; full polished, $3.75, and galvanized, $4.25 to $4.35; galvanized, 60's, $4.45 to $4.55.

STEEL.—The market continues active in nearly all lines. We quote: Sleighshoe, $2.10; tire, $2.20; bar, $2.05; spring, $2.85; reeled machinery, $2.75; toecalk, $2.70.

SHEET STEEL.—The demand for sheet steel is no more than moderate, and the prices are steady and unchanged. We quote: Nos. 10 to 20, $2.50; 3-16, $2.50; ¼, 5-16 and ⅜, $2.40.

TOOL STEEL.—Some improvement is noticed this week, but trade is still very unsatisfactory. We quote: Black Diamond, 8c.; Sanderson's, 8 to 12c., according to grade; Jessop's, 13c.; Leonard's, 7½c.; Jonas & Colver's, 8 to 15c.; "Air Hardening," 30 to 50c.

TERNE PLATES.—The inquiry is only fair. The price quoted is $7.50.

COIL CHAIN.—Chain is reported very active this week, especially with points in Western Canada. This is a big improvement over the past few weeks, and it is expected to continue for some time. We quote: No. 6, 12½c.; No. 5, 10½c.; No. 4, 10c.; No. 3, 9½c.; ¼-inch, 7¼c. per lb.; 5-16, $5; 5-16 exact, $5.25; ⅜, $4.25; 7-16, $4.05; ½, $3.95; 9-16, $3.85; ⅝, $3.55; ¾, $3.50; ⅞, $3.45; 1-inch, $3.45. In carload lots an allowance of 10c. is made.

SHEET ZINC.—No change worthy of note has occurred in this market. Business remains quiet, and the price is still $5.85 to $6.25.

ANTIMONY.—The trade doing in antimony is of small proportions. The price

is 10c., but with very little inquiry.

ZINC SPELTER.—Spelter sells for 5c. The market is quiet and featureless.

SOLDER.—This continues in steady and active demand at the prices here quoted. Wire solder is worth 20c., while bar solder sells for 18c.

PAINTS AND OILS.

The market for turpentine has developed no new feature of any importance since our last report. The price is unchanged and the feeling is firm. Linseed oil continues at the same high price as last week and is as scarce as ever. Several shipments have arrived, but the demand seems to be quite equal to the supply, and the goods are distributed quickly. The extraordinary demand which prevails at present for paint materials of all kinds does not give cause for thinking that market conditions will change for some time, and with high-priced oil and turpentine in all probability we shall soon have an advance in liquid paints before long. While the extreme pressure which has prevailed for some months past in regard to delivering goods has somewhat abated, yet there is still a lively business being done on small orders. The recent cold weather has retarded the sale of paris green to some extent, but the price is still firm. It will not do to rely too much on present quotations, as the demand is likely to again assume large proportions, should warm weather be experienced, and an advance might then be looked for. Varnishes and japans are meeting with a good demand. Gum shellac is still maintained at the present high price on the primary markets. We quote :

WHITE LEAD.—Best brands, Government standard, $5.87½ ; No. 1, $5.50 ; No. 2, $5.12½ ; No. 3, $4.75 ; No. 4, $4.37½ all f.o.b. Montreal.

DRY WHITE LEAD.—$5.25 in casks ; kegs, $5.50.

DRY WHITE ZINC.—Pure dry, 6¼c. ; No. 1, 5¼c.; in oil, pure, 7¼c.; No. 1, 6¼.; No. 2, 5¼c.

PUTTY.—We quote : Bulk, in bbls., $1.90 per 100 lb.; bulk, in less quantity, $2.05 ; bladders, in bbls., $2.25 ; bladders, in 100 or 200-lb. kegs or boxes, $2.40 ; in tins, $2.55 to $2.65 ; in less than 100-lb. lots, $3 f.o.b. Montreal, Ottawa, Toronto, Hamilton, London and Guelph. Maritime Provinces, 10c. higher, f.o.b. St. John and Halifax.

ORANGE MINERAL.—Casks, 7c.; 100-lb. kegs, 7¼c.; smaller quantities, 8¼c.

RED LEAD.—Genuine red lead, in casks, $4.50 ; in 100-lb. kegs, $4.75 ; in less quantities, $5.75 per 100 lb. No. 1 red lead, casks, $4.25 ; kegs, $4.50, and smaller quantities, $5.50.

LITHARGE.—Ground, casks, 5c. ; less quantities, 5½c.; flake litharge, casks, $5.25 ; smalls, $5.75 per 100 lb.

LINSEED OIL.—Raw, 84c.; boiled, 87c.; In 5 to 9 barrels, 1c. less. Terms, net cash in 30 days. Delivered in Ontario, between Montreal and Oshawa, at 2c. per gallon advance, and freight allowed.

TURPENTINE.—Single barrels, 72c.; 2 to 4 barrels, 71c. Terms, net cash in 30 days.

SHELLAC VARNISH.—Pure white, $2.35 to $2.45 ; orange, $2.25 to $2.35.

MIXED PAINTS.—$1.20 to $1.45 per gallon.

CASTOR OIL.—8¾ to 9¼c. in wholesale lots, and ½c. additional for small lots.

SEAL OIL.—48 to 50c.

COD OIL.—35 to 37½c.

PARIS GREEN.—Petroleum, bbls., 16¾c. per lb.; arsenic kegs, 17c.; 50 and 100-lb. drums, 17½c.; 25-lb. drums, 18c.; 1-lb. packages, 18½c.; ½-lb. packages, 20½c.; 1-lb. tins, 19½c.; ½-lb. tins, 21½c. f.o.b. Montreal. Terms : 3 per cent. 30 days, or four months from date of delivery.

The Handsome Effect Of Our Sheet Metal Fronts

Makes them wonderfully popular, either for new buildings or improving shabby exteriors.

We make them complete, including Cornices, Door and Window Caps, etc.—a most durable, economical finish, giving fireproof protection, as well as fine appearance.

These, and our other improved metal building materials for exterior and interior use, are favorably known throughout Canada for their reliable merit—a merit we intend to maintain. So you stand certain of satisfied customers when you sell our goods.

A look through our catalogue will be profitably interesting to anyone in the trade.

The Metallic Roofing Co., Limited,

WHOLESALE MANUFACTURERS,

TORONTO. MONTREAL. WINNIPEG.

SCRAP METALS.

There has not been any important change in the scrap metal market during the past week. Iron and brass are both quiet, as are most other lines. We now quote : Heavy copper and wire, 10½c. per lb.; light copper, 8c.; heavy red brass, 10½c.; heavy yellow, 9c.; light brass, 5c.; lead, 2 to 2¼c.; zinc, 2¼c.; iron No. 1, wrought, $15 ; No. 2, $7 per ton ; machinery scrap, $16 ; stove plate, $12 ; malleable and steel, $5 ; mixed country rags, 60 to 70c. per 100 lb. ; old rubbers, 6¼c. per lb.

GLASS.

The situation of glass is about the same as a week ago. Very few orders are now being received, and trade is dull. We quote : First break, 50 feet, $2.10 ; second, $2.20 for 50 feet ; first break, 100 feet, $4 ; second break, $4.20 ; third break, $4.70 ; fourth break, $4.95.

HIDES.

The advance of last week has been well maintained in all lines. The market, however, continues somewhat unsettled. We quote : No. 1 hides, 10c.; No. 2, 9c.; No. 3, 8c. No. 1 calfskins, 12c. ; sheepskins, 70c.; lambskins, 25c. per lb.

MONTREAL NOTES.

Manila rope has been reduced ½c., and is now quoted at 15½c. British manila is 1c. lower, and is quoted at 13½c.

ONTARIO MARKETS.

Toronto, June 27, 1902.

HARDWARE.

BUSINESS in hardware is keeping up well. With the advancement of the season the orders assume more of a sorting up nature. The Canadian makers of axle pulleys, bench screws, sad irons and other cast hardware have made another advance in prices. Axehandles are also higher as are also sash weights. There has been a decline of 1c. on British manila and ½c. on pure manila rope. Trade in this line is now principally in the small sizes for harvest use. Lawn mowers still continue active and the factories are unable to turn out enough spades and shovels to fill the demand therefor from the jobbers. The feature of the harvest tool trade this week is the great demand for beet hoes. It looks as if there would be a big demand in the fall for forks, and in anticipation of this some dealers may place their orders early. There has been a recent appreciation of 20 per cent. in the United States on steel squares.

BARB WIRE.—Trade in barb wire is being well sustained. We quote : $2.77½ for less than carlots f.o.b. Cleveland, and $2.65 for carlots. From stock, Toronto, $3.00.

GALVANIZED WIRE.—The business that has been done in this line continues good. We quote as follows : Nos. 6, 7 and 8, $3.50 to $3.85 per 100 lb., according to quantity ; No. 9, $2.85 to $3.15 ; No. 10, $3.60 to $3.95 ; No. 11, $3.70 to $4.10 ; No. 12, $3 to $3.30 ; No. 13, $3.10 to $3.40 ; No. 14, $4.10 to $4.50 ; No. 15, $4.60 to $5.50 ; No. 16, $4.85 to $5.35. Nos. 6 to 9 base f.o.b. Cleveland are quoted at $2.52½ in less than carlots and 12c. less for carlots of 15 tons.

SMOOTH STEEL WIRE.—Trade is still fairly active and the prices are unchanged. We quote base price at $2.60 per 100 lb. Oiling, 10c.; coppering, 60c.;and tinning, $2 per 100 lb. extra. Delivery points Toronto, Hamilton, London and Montreal, with freights equalized on those points.

FINE STEEL WIRE.—There is a moderate movement in fine steel wire from stock. The discount is still 22½ per cent.

WIRE NAILS.—The market in this line is steady with no remarkable features. Our quotations are as follows : $2.55 for less than carlots and $2.50 for carlots. The delivery points are Toronto, Hamilton, London, Gananoque, and Montreal.

CUT NAILS.—There has been no marked improvement in the demand for these and the prices are unchanged. We quote base

price $2.15 per keg, and $2.37½ per car lots.

HORSE NAILS.—The movement continues fair, and the prices are steady. Discounts are: "C" brand, oval head, 50 and 7½ per cent., on "M" brand, 50, 10 and 5 per cent.; "Monarch," 60 2 3 per cent. Countersunk head, 60 per cent.

HORSESHOES.—There is still a moderate trade being done in this line, and our quotations are now as follows: Iron shoes, No. 2 and larger, light, medium and heavy, $3.60; snow shoes, $3.85; light steel shoes, $3.70; featherweight (all sizes), $4.95; iron shoes, No. 1 and smaller, light, medium and heavy (all sizes), $3.85; snow shoes, $4; light steel shoes, $3.95; featherweight (all sizes), $4.95.

SCREWS.—The demand for screws is good and the factories are now in a better position to fill their orders, and the discounts are as follows: Flat head bright, 87½ and 10 per cent.; round head bright, 82½ and 10 per cent.; flat head brass, 80 and 10 per cent.; round head brass, 75 and 10 per cent.; round head bronze, 65 per cent., and flat head bronze, 70 per cent.

RIVETS AND BURRS.—Trade in rivets and burrs is brisk. Quite a few of the large sizes are moving, and in the smaller sizes the demand is heavy. The stocks on hand are still light, and quotations are now as follows: Iron rivets, 60 and 10 per cent.; iron burrs, 55 per cent.; copper rivets, with usual proportion of burrs, 45 and 10 per cent., copper burrs alone, 30 and 10 per cent.

BOLTS AND NUTS.—The difficulty in getting supplies continues as great as ever. The excitement among the mechanics in Toronto during the last few days has made it hard to keep them at work, and the deliveries are light in consequence. Quotations follow: Carriage bolts, common ($1.00 list), 50 per cent.; carriage bolts, full square ($2.40 list), 55 per cent.; carriage bolts, Norway iron ($3 list), 55 per cent., machine bolts, all sizes, 50 and 5 per cent.; coach screws, cone points, 66 2 3 per cent.; elevator shaft and whiffletree bolts, 50 per cent.

SCREEN DOORS AND WINDOWS.—There are still a good many sorting-up orders coming in for both screen doors and windows, and the prices are steady. Quotations are: Common doors, two or three panel, f.o.b. factory points as follows: Walnut, stained, 3-inch style, $6.80 per dozen; stained, yellow, $7; natural color, oil finish, $8.15; 4-inch style, 20c. extra per dozen. Windows: No. 0, $1.60; No. 1, $1.70; No. 2, $1.95; No. 3, $2.10; No. 4, $2.50 per dozen.

GREEN WIRE CLOTH.—There is a fair amount of business being done in this line. We quote $1.37½ per 100 square feet.

SPADES AND SHOVELS.—There is a scarcity in this line, the factories being unable to turn out the goods that are required. The discount is 40 and 5 per cent.

ROPE.—There has been a decline of 1c. in British manila and ½c. in pure manila rope. The demand is now principally for the lighter lines of harvest ropes. We quote as follows: Pure manila, 15½c., British manila, 13½c., sisal, 13c., lath yarn, 12c., sisal bed cord, 3 cord, 48 ft., 65c.; 60 ft., 80c.; 72 ft., 95c. per doz.

BINDER TWINE.—The demand has not been very active for binder twine as the season is not far enough advanced. Our quotations are as follows: "Blue" Ribbon, 650 feet, 15c., "Red Cap," 600 feet, 13c.; "Tiger," 580 feet, 13c.; sisal, 500 feet, 11½c.

HARVEST TOOLS.—The factories in this line state there has been a large demand this year for beet hoes, and it looks as though there will be a large demand later on for forks. There has been no change in the discounts which are still quoted at 60 per cent.

EAVETROUGH, ETC.—The market in this line still continues active and no changes in prices have been made, and we now quote: Eavetrough, $3.10 per 100 square feet, for 10-inch, and conductor pipe at $4 for 3-inch, and $5.25 for 4-inch.

BUILDING PAPER.—Nothing remarkable is noted in this line. We quote as follows: Dry sheathing, grey or straw, 35c. per roll; tar sheathing, grey or straw, 45c. per roll; dry fibre, 50c. per roll; tarred fibre, 60c. per roll.

LAWN MOWERS.—There is still a fair business doing in lawn mowers. Discounts are: 50 per cent. on high wheeled lawn mowers, "Star" mowers, 9 inch wheel, $2.25 to $3, "Daisy" mowers, 17 inch wheels, $2.25 to $2.50.

HARVEST WHIPS.—The market in these has not yet become active.

POULTRY NETTING.—There is no new feature in this market this week.

TINWARE AND ENAMELLED WARE.—The activity of this market continues and the prices rule steady.

SPORTING GOODS.—There are a good many orders coming in for ammunition, guns and rifles from various parts of the country.

CEMENT.—The market this week is considerably stronger than before, and the prices of Canadian Portland cement have advanced 25c. The manufacturers have booked quite a number of orders ahead and inquiries have been received from some trade centres in the United States, situated along the lakes. There is no foreign cement at present on the Canadian market. We quote: Canadian Portland, $2.25 to $2.85, and Canadian hydraulic, $1.35 to $1.60 per bbl.

METALS.

The general business continues satisfactory for this time of the year. The buying movement is not large, but some orders are being booked for fall delivery which shows that buyers have confidence in the strength of the market. Most metals are being sold at fair values and there does not appear to be any considerable inflation in any line. The outside tin markets are this week at a standstill, the buyers all holding off from buying. The copper market has an easier tone and the feeling in the iron trade has grown optimistic during the past week, and the general prediction is that consumption will be heavy enough to keep all the productive capacity going clear through till next year.

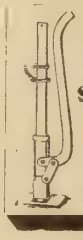
PIG IRON.—The stocks on hand locally continue scarce and hardly equal to the demand. The United States market is even stronger than it was a week ago. We quote on track, Toronto: No. 1 foundry, $21 and No. 2, $20.50.

STEEL BOILER PLATES.—The outside markets for these are even firmer than last week, and the demand is good. We quote: Steel boiler plates, $1.80 for carload lots on track, Toronto.

STEEL BEAMS.—The strength of this market still continues. We quote from stock, $2.75 for steel beams, and in carlots on track, $2 per 100 lb.

STEEL RAILS.—The United States

OAKEY'S 'WELLINGTON' KNIFE POLISH
The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.
JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
Wellington Mills, London, England.
Agent:
JOHN FORMAN, 644 Craig Street
MONTREAL


COVERT MFG. CO.
West Troy, N.Y.
Steel Carriage and Wagon Jacks,
Harness Snaps, Chain, Rope and Web Goods, etc.
FOR SALE BY JOBBERS AT MFRS. PRICES.

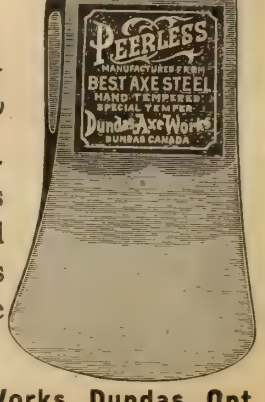
PRIEST'S CLIPPERS



Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., USA

NEWMAN'S PATENT
INVINCIBLE FLOOR SPRINGS
Combine all the qualities desirable in a Door Closer. They work silently and effectually, and never get out of order. In use in many of the public buildings throughout Great Britain and the Colonies.
MADE SOLELY BY
W. NEWMAN & SONS, Birmingham.

Oneida Community Goods
HALTERS, COW TIES SNAPS, etc., etc.,
in all sizes and styles. May be had of all jobbers throughout Canada.
Factory—NIAGARA FALLS, ONT.

A Verdict


The Dundas Axe is pronounced by all judges the best axe made.
Dundas Axe Works, Dundas, Ont.
W. L. Haldimand, Jr., Montreal Agent.



Nicholson File Co.,

LARGEST FILE MAKERS IN THE WORLD

Seven Factories—manufacturing all shapes, sizes and cuts.

Nicholson's Increment Cut Files and Rasps represent a combination of skilled labor and the best material necessary for the production of a good article. The result of many years' experience.

Prices Consistent With Quality.

For sale by all prominent Hardware and Mill Supply Merchants throughout the Dominion.

Dominion Works, - - - PORT HOPE, CANADA.

markets are strong and active, and the manufacturers have many orders booked ahead that it will be impossible for them to fill this year. Steel rails, of Canadian make, are quoted at $36 per ton.

TOOL STEEL.—The prices are steady and unchanged. We quote: "B C" and "Black Diamond," 10 to 11c.; Jessop's, Morton's and Firth's, 14c.; Jonas & Colver's, 8 to 15c.; ditto, "Air Hardening," 30 to 50c.; Chas. Leonard's, 8 to 9c.; Park's "Silver," 12 to 14c.; Park's Special, 15 to 20c.

MILD STEEL. This line is still scarce and unchanged.

SPRING STEEL.—Trade in this line is still active.

BOILER TUBES.—The market for these is strong and unchanged.

BAR IRON.—There is not much business being done just now in this line, owing to The Guelph Iron and Steel mills closing down for a time. The United States bar iron market is strong. Our quotations are as follows: $1.95 to $2.05 base. Extras cut to length while rolling: 2 ft. and over, 10c. per 100 lb.; 1 ft. and under 2 ft., 15c.; under 1 ft., 20c.; over 20 ft. by special agreement, according to length and size.

BLACK SHEETS.—There is nothing new to report in this line. A fair amount of business continues to be done, and the prices are unchanged. We quote: Common, $3.15 for 28 gauge, and dead flat, $2.50 for 26 gauge.

CANADA PLATES.—Trade in Canada plates is active and stocks are light. We quote: All dull, $3; half-polished, $3.10, and all bright, $3.75.

GALVANIZED SHEETS.—These continue in active demand. We quote in case-lots, as follows: Queen's Head, $4.50 for 28 gauge; American, $4.40 for 29 gauge, Bell brand, $4.20 for 28 gauge.

TIN. There has been a considerable business done in small lots. The outside markets are at a standstill. We quote $32 to $33 locally per 100 lb.

TINPLATES.—A good demand for these is reported at steady prices. We quote: Charcoal, $4.75 to $5 per box and cokes, $4.25 per box.

COPPER. Ingot copper is still in good demand and prices are unchanged. In the United States there is an easier feeling in the market, which is inactive. We quote: Ingot, $14 per 100 lb., and sheet copper, $22 to $23.

BRASS.—A moderate trade is doing in this metal at unchanged prices. The discount is 15 per cent.

PIG LEAD.—This line is quiet, and the prices on the outside markets have steadied. We quote: Pig lead, $3.50 to $3.75 and bar, $5.

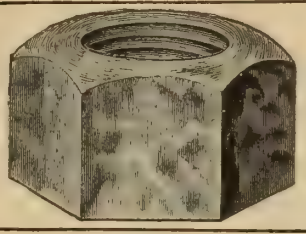
IRON PIPE.—There is still an active demand for this from outside parts, but locally, trade is inactive. We quote per 100 ft.: ¼-in., $2.40; ⅜-in., $2.65; ½-in., $2.85; ¾-in., $3.65; 1-in., $5.20; 1¼-in., $7.35; 1½-in., $8.95; 2-in., $12.55; galvanized, 1-in., $7.20. Trade discount 4 per cent.

ZINC SPELTER.—More activity prevails in this line this week. We quote $5.50 to $6.

ZINC SHEETS.—These are in good demand, and prices are unchanged. We quote: Cask lots, $6 to $6.25, and part casks, $6.25 to $6.50.

SOLDER. Trade in this line is brisk and the market is steady.

ANTIMONY.—There is nothing new to report in this line. Prices are unchanged at $19.50 per 100 lb.



THE JOHN MORROW MACHINE SCREW COMPANY, Limited

Manufacturers of

Set and Cap Screws, Special Milled Work, Engine Studs, Etc. Cold Punched Nuts of every variety of finish.

INGERSOLL, ONT.

PAINTS AND OILS.

The business that is being done in paints and oils is not so heavy as last week, but there are a few sorting-up orders still being received. The demand for linseed oil and turpentine is not so good as last week, and the stocks on hand of the latter are small, owing to the buyers here holding off and only importing in small quantities on account of the high prices prevalent in the South. Recent advices from there state that prices are easier, owing to heavier receipts of turpentine within the last few days, due to the favorable weather for production and shipment. But stocks are still low there, and receipts for the season so far have been short, so there is no expectation of any considerable drop. There are a number of sorting-up orders being received for ready-mixed paints, and white leads ground in oil, though not so active as they were, are still moving out fairly well. White zincs and dry colors are quiet, but paris green has shown signs of becoming active. Some inquiries have been received for it from outside points, and jobbers are looking forward to quite a good trade in this commodity. The local trade has been dull during the week on account of the unfavorable weather. We quote as follows:

WHITE LEAD—Ex Toronto, pure white lead, $5.87½; No. 1, $5.50; No. 2, $5.12½; No. 3, $4.75; No. 4, $4.37½ in packages of 25 lb. and upwards; ½c. per lb. extra will be charged for 12½-lb. packages; genuine dry white lead in casks, $5.12½.

RED LEAD—Genuine, in casks of 560 lb., $5 to $5.12½; ditto, in kegs of 100 lb., $5.50; No. 1, in casks of 560 lb., $4; ditto, kegs of 100 lb., $4 50.

LITHARGE—Genuine, 6 to 6½c.

ORANGE MINERAL—Genuine, 7½ to 8c.

WHITE ZINC—Genuine, French V.M., in casks, $6 to $6 25; Lehigh, in casks, $6.

SHINGLE STAIN—In 5-gal. lots, 60c. to $1.20 per gal.

BENZINE—In barrel lots, 17c. per gal.; less quantities, 25c. per gal.

PARIS WHITE—90c. to $1 per 100 lb.

WHITING—65c. per 100 lb.; Gilders' whiting, 80c.

GUM SHELLAC—In cases, 35c.; in less than cases, 40c. per lb.

LIQUID SHELLAC—Pure orange, in bbls., $2.25 to $2.35; white, $2.35 to $2.45 per gal.; in less quantities, 10c. extra.

PUTTY—Bladders, in bbls., $2 25; bladders, in 100 lb. kegs, $2 40; bulk in bbls., $1.90; bulk, less than bbls. and up to 100 lb., $2.05; bladders, bulk or tins, less than 100 lb., $2 90.

PLASTER PARIS—New Brunswick, $1.90 per bbl.

PUMICE STONE—Powdered, $2.50 per cwt. in bbls., and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in bbls.

LIQUID PAINTS—Pure, $1.20 to $1.40 per gal.; No. 1, $1.10 per gal.

CASTOR OIL—English, in cases, 9½ to 10c. per lb. and 10 to 10½c. for single tins.

LINSEED OIL—Raw, 1 to 2 barrels, 84c.; boiled, 87c.; 3 to 5 barrels, raw, 83c.; boiled, 86c.; 6 to 9 barrels, raw, 79c.; boiled, 84c., delivered. To Toronto, Hamilton and London, 2c. less. All quantities of 10 bbls.

and over of linseed oil, sold only f.o.b. Toronto, Hamilton, London and Guelph.

TURPENTINE—Single barrels, 73c.; 2 to 4 barrels, 72c., delivered. Toronto, Hamilton and London 1c. less. For less quantities than barrels, 5c. per gallon extra will be added, and for 5-gallon packages, 50c., and 10-gallon packages, 80c. will be charged.

COAL.

There is nothing new to report in this market. Soft coal miners continue at work, and so there has been no famine in that line as yet. Quotations at international bridges are as follows: Soft coal, $3 to $4 per ton.

PETROLEUM.

There has been no change in the price of petroleum this week, and it continues in moderate demand. The summer trade has not yet set in. We quote: Pratt's Astral, 17 to 17½c. in bulk (barrels extra); American water white, 17½ to 18c. in barrels; Photogene, 17 to 17½c.; Sarnia water white, 16½ to 17c. in barrels; Sarnia prime white, 15 to 15½c. in barrels.

MARKET NOTES.

Mrs. Potts No. 5 nickle-plated sad irons have advanced 5c. per set.

A. R. Price, hardware merchant, Queen street west, Toronto, has bought a full line of hardware from Lewis Bros. & Co., of Montreal.

F. H. Clergue, of Sault Ste. Marie, Ont., has already delivered between 6,000 and 7,000 tons of steel rails at Montreal for the Government.

WANTED

A TINSMITH, GOOD ALL AROUND MAN, steady employment, good wages. Joseph Laing, Ridgetown. (26)

MANUFACTURER'S AGENT WANTED TO carry samples for the manufacturer of a knife-cleaning machine, new in Canada, but requiring little introduction. Box 94, HARDWARE AND METAL, Toronto. (25-3)

A FRENCH FIRM DESIRES WRITTEN PROposals for castings by cold air with coke and charcoal, for the manufacturing of wheels of tempered steel for wagons, tramways, ore, etc. Address, Shermite, 51 rue Saint Martin, Soissons, France. (25-2)

FOR SALE

FOR SALE A FULL SET OF TINNERS' tools, or any part of set; also one pair 48-inch steel rollers in good shape. Will be sold cheap. F. Braithwaite, Hespeler. (26)

BUSINESS FOR SALE.

HARDWARE business in Western Ontario City, established five years. Annual sales $12 000. Well assorted stock of $4,500. Store rental low and expenses light. Good chance for live man who wishes to change his location. Address, Box 91 HARDWARE AND METAL, Toronto. (24-3)

THE LONDON SCALE WORKS

GEORGE M. FOX
(Successor to John Fox.)

Manufacturer of Railroad, Hay and Platform Scales.

91 York Street, LONDON, ONT.

JONAS & COLVER CO.

Sheffield, England Limited

STEEL WIRE DRILL RODS, PIANO WIRE, ETC.

WILLIAM ABBOTT, Agent.

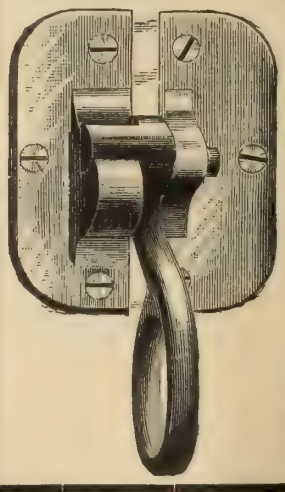
13 St. John Street, MONTREAL.

PAINTS We manufacture these brands:—"LION," "PEERLESS," "OWL," "RAVEN," also Ready-mixed House and Floor Paints, Roof, Barn, Bridge and Brick Paints, Coach Colors, Varnishes, Japans, etc. Our prices will interest you. Write us.



The Ottawa Paint Works, Ottawa, Ont.

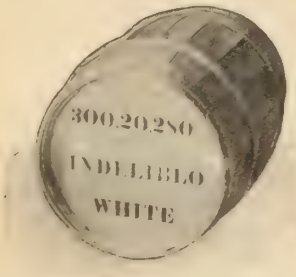
P. J. CONROY, Manufacturer of REFRIGERATOR HARDWARE



Paschall Station, Phila., Pa.

The "Conroy" Refrigerator Door Fastener.

INDELIBLO COLD WATER PAINT



Washable, Sanitary, Fireproof, Weatherproof. May be applied to wood, sand-finish brick, stone, or any solid surface. Absolutely non-poisonous, ground to a fine powder, and ready for use when mixed with cold water. Specially prepared for painting the exterior and interior of Factories, Breweries, Warehouses, Stables, Docks, Etc.

INDELIBLO will not rub off or peel away, and is of a fireproof nature.

Agents:

A. RAMSAY & SON, - - - MONTREAL
J. H. ASHDOWN, - - - - WINNIPEG
McLENNAN, McFEELY & CO., - - VANCOUVER

BINDER TWINE

Blue Ribbon, Redcap,
Tiger, Golden Crown.

The Old Reliable Farmers' Favorites

For Prices Apply

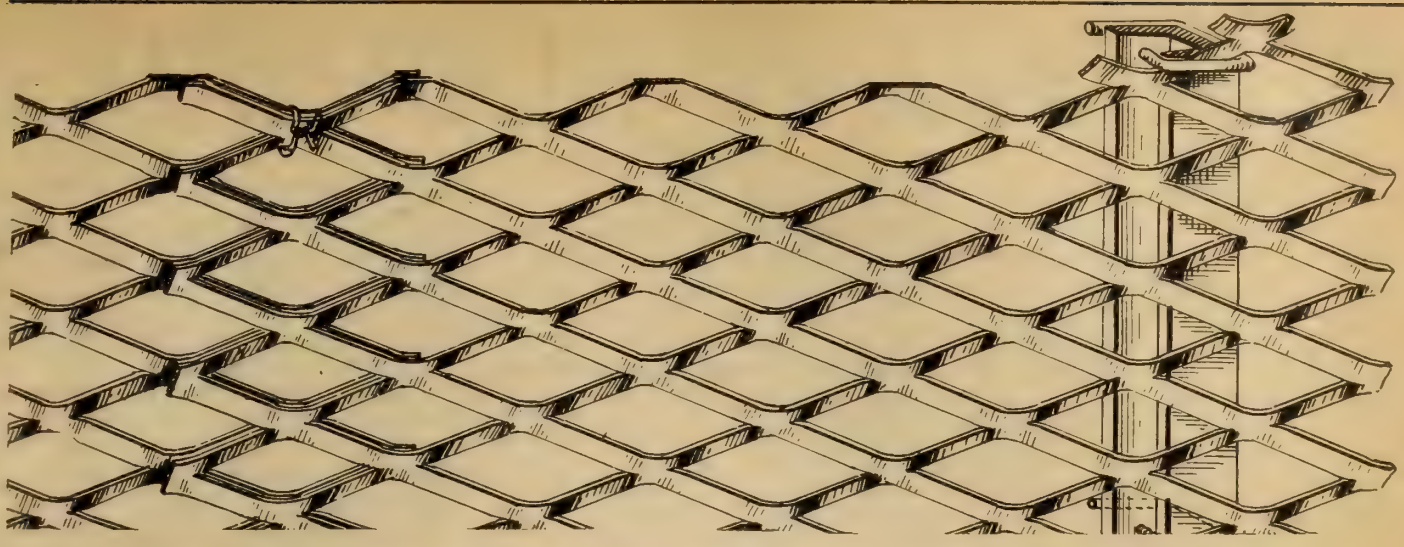
Consumers Cordage Co. LIMITED,

MONTREAL, QUE.

OR

W. B. STEWART,

27 Front Street West, - - TORONTO, ONT.



Expanded Metal Lath

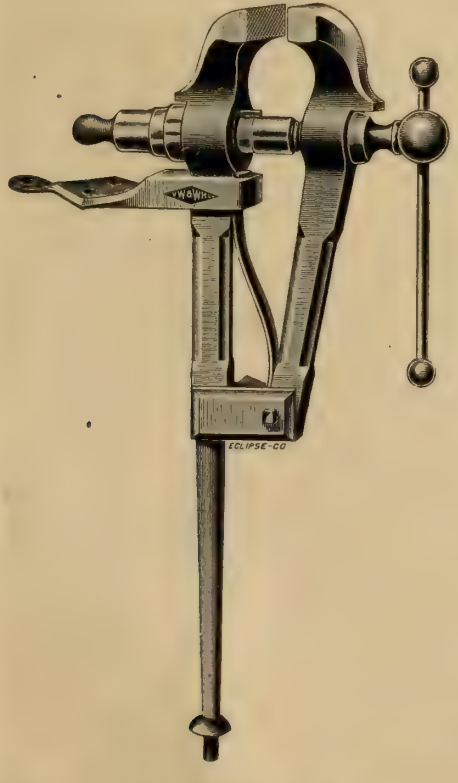
FOR FIREPROOF PARTITIONS, CORNICES, FALSEWORK.

Cheapest and Best in the Market.

PERFECT KEY.

Write for Prices and Discounts.

EXPANDED METAL & FIREPROOFING CO., Limited, 100 King West, TORONTO



Winning Favor in Australia

"The engineering merchants here consider your Solid Box Blacksmiths' Vises superior in quality and workmanship to any they have ever handled. They say they are remarkably suitable, and give perfect satisfaction."

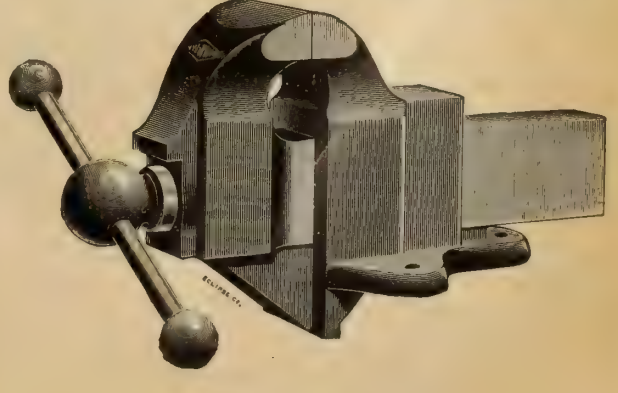
[Extract from letter received from our Australian Agents located in Melbourne.]

Our facilities are unexcelled for making

Blacksmiths' and Machinists' Vises

Modern equipment and methods, high-grade material and workmanship are combined in our plant, producing

THE BEST VISES MADE



Lamplough & McNaughton

CANADIAN SALES AGENTS

19 De Bresoles St., Montreal

Manufactured by

THE COLUMBIAN HARDWARE COMPANY

CLEVELAND, OHIO.

NEW CATALOGUE JUST ISSUED—WRITE FOR IT.

HEATING AND PLUMBING

TORONTO PLUMBERS' STRIKE.

THE situation in the plumbers' strike has not changed. Inquiries made at the parties interested is practically what it was a week ago. When seen by a representative of "Hardware and Metal" Mr. James H. Wilson, of the Master Painters' Association, said that at a meeting of the Association on the 23rd almost everything but the strike was discussed.

Mr. Wilson was asked about the item which appeared in The Montreal Star to the effect that a considerable number of plumbers and steamfitters were now on their way out to Toronto from Scotland, having been engaged by the bosses to enable them to carry out contracts which have been tied up by the recent strike. (By the men's passage was paid by the employers and the amount will gradually be deducted from their wages. Mr. Wilson declined to make any statement for the attitude was interpreted to mean that such a course of action was not heard of then for the first time.

It is said that all is not harmony in the ranks of the striking plumbers. Other union bosses in the city have viewed adversely the action of the men in violating the agreement with the bosses.

The Plumbers and Steamfitters' Union is an international body, and for some time past there has been a movement on foot in the United States to separate the two trades. The plumbers, through the parent body, are outnumbered by the gas and steamfitters four to one. The fitters wish to withdraw and form a union of their own. The relations between the two factions have been somewhat strained as a result.

When the proposition came before the union in Toronto to go out on strike it is alleged that the plumbers opposed the measure. They were outnumbered by the gas and steamfitters, however, and the strike order was voted through. There are 250 men on strike and of this number less than 75 are plumbers, the remainder being made up of gas and steamfitters.

While obeying the call, a number of the men still contend that the agreement should have been lived up to. In the contract entered into it is expressly set forth that should either party desire a change or amendment notice of it should be given at least three months prior to the termination of the agreement. The agreement does not expire until January, 1904 and according to the employers' interpretation of the clause, should no notice have been received three months prior to the date of expiry the agreement would remain in force without renewal until such notice had been given. A section of the men put forward the plea that during the existence of the agreement all that was required to terminate it was a three months' notice.

The master plumbers are simply marking time. They feel that they have justice on their side and are prepared to wait developments. The employers are determined to hold the men to their agreement and are willing to take them back within a reasonable time.

The men feel that the employers have broken the agreement. They declare that the increase demanded from 27½ to 37½c. per hour, is quite in keeping with the changed conditions and will in no way conflict with existing contracts, as the employers had been notified that the raise would be asked for.

BUILDING PERMITS IN OTTAWA.

Building permits amounting to $20,150 were recently issued in Ottawa, as follows: F. H. Wells, for a solid brick dwelling on McLeod street, for $2,500; Sir Wilfrid Laurier, for a solid brick addition to residence on Theodore street, for $800; the Wise estate, for two solid brick houses on Daly avenue, for $1,200; George Taylor, for a frame dwelling on Flora street, for $800; Alex. Robertson, for a solid brick addition to shop on Maria street, for $1,060; J. A. Armstrong, for a solid brick dwelling on Dalhousie street, for $1,200; S. J. Jarvis, for two brick veneered houses on Strathcona avenue, for $3,200; Wilbert Box, for a frame dwelling on Pretoria avenue; Chas. Bouvrette, jr., for brick dwelling on Clarence street, for $1,300; R. E. Foster, for a brick dwelling on Fourth ave., for $1,000; and F. X. Talbot, for a brick dwelling on Friel street, for $1,750.

PLUMBING AND HEATING NOTES.

Leo Beairsto has registered for Beairsto & Co., plumbers, Sydney, N.S.

W. K. Beairsto, plumber, Sydney, N.S., is succeeded by Beairsto & Co.

The stock of William Ford, plumber, Quebec, was advertised to be sold by bailiff's sale.

SOME BUILDING NOTES.

MISS MOREHESS is erecting a house at Aylsworth, Ont., and Ike Clark is also erecting a store near the same place.

Wm. Clougher will erect a large hotel at Carman, Man.

A large wing is being added to St. Boniface College, Winnipeg.

A new asylum will be built by the Manitoba Government at Selkirk, Man.

All Saints' parish, Peterboro', Ont., has decided to erect a new church there.

A large separate school house will be erected on Selkirk avenue, Winnipeg, Man.

A new block of stores are being erected at Wingham, Ont., for R. Vanstone and C. N. Griffin.

A new Roman Catholic convent will be erected at Orillia, Ont., at a cost of $7,000 or $8,000.

The parish of St. John, Kincardine, Ont., has had laid the corner stone of a new church there.

S. Dinor is advertising for tenders for building a three-storey brick and frame building at Winnipeg.

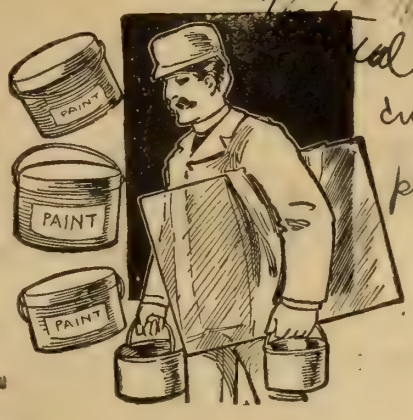
A Presbyterian church is being built at Stoke's Bay, Ont., and J. McIvor and D. McLennan are each building residences at the same place.

New factory buildings will be erected at Toronto, Ont., for The Deering Harvester Co., and tenders are advertised for the building of the same.

BUILDING PERMITS IN TORONTO.

BUILDING permits were granted during the week in Toronto as follows: Arthur F. Godson, for a two-storey stone and brick dwelling on Empress Crescent, for $2,500; Dominion Government, for repairing tops and shingling the Old Fort near Bathurst street, for $500; John Tibbs, for a two-storey frame and plaster addition to dwelling on Howland ave., for $800; N. H. MacLeod, for a one-storey brick addition to dwelling at 30 Leopold street, for $400; The Wm. Davies Co., for a one-storey galvanized corrugated iron and wood blacksmith shop on Eastern ave., for $800; W. F. Turnbull, for a one-storey wood and metallic iron bicycle shed on Jameson ave., for $100; J. H. Shales, for a two-storey brick dwelling at 41 Danforth ave., for $4,000; D. M. Stair, for a two-storey brick fire wall at 23 Temperance street, for $600; F. Brigden, for a brick and galvanized iron mansard roof on photo gallery, at 92-94 Bay street, for $1,100; G. T. Van Nostrand, for a one-storey room and verandah at 98 Delaware ave., for $600; Sisters of the Church, for a two storey brick addition of three rooms at 106 Beverley street, for $675; Robert Hewitt, for a pair of two-storey brick and stone dwellings on Fern ave., for $2,500; L. H. Bryce, for alteration and addition to 281 King street east, for $2,000; John Catto & Son, for alterations to store front at 59 King street east, for $500; F. Woolings, for a two-storey brick-veneered dwelling on Grandview ave., for $1,000; Mr. Oliver, for a two-storey brick-veneered dwelling at 86 Gardner ave., for $700; Henry Sheard, for a one-storey addition to store at 126 Yonge street, for $4,000; Grace Panterfield, for a one and a half-storey brick and stone dwelling at 11 Russet ave., for $1,100; E. H. Rowles, for a one-storey frame and roughcast dwelling at 5 Albermarle ave., for $250; Max. Suiderman, for alterations to store front at 971 Queen street west, for $160; F. Wyndow, for a two-storey brick cellar and kitchen at 85 87 Gloucester street, for $1,500 J. A. Nesbitt, for brick alterations to brick house at 131 Danforth Road, for $200; Mrs. Emily J. Morrison, for a pair of dwellings on King street west, near Strachan ave., for $9,000; G. E. Henderson, for a one-storey brick automobile stable on Glen Road, for $500; E. J. Staneham, for a one and a half storey brick dwelling on Lansdowne ave., for $1,200; H. C. Hoops, for two pairs of two-storey detached and one attached roughcast dwelling on Christie street and Pendrith ave., for $1,500; W. F. Dineen, for a two-storey and attic clapboard dwelling on Violet ave., Kew Beach, for $1,500; W. A. Ranney, for a two and a half-storey roughcast dwelling on Margueretta street, for $1,000; E. Lea, for three attached two-storey brick dwellings at 128-130 Cottingham street, for $6,000; G. F. Lea, for three attached two-storey brick dwellings, at 26-28 Rathnally ave., for $6,000; Walter Baker, for a two-storey brick dwelling on Gerrard street east for $2,000.

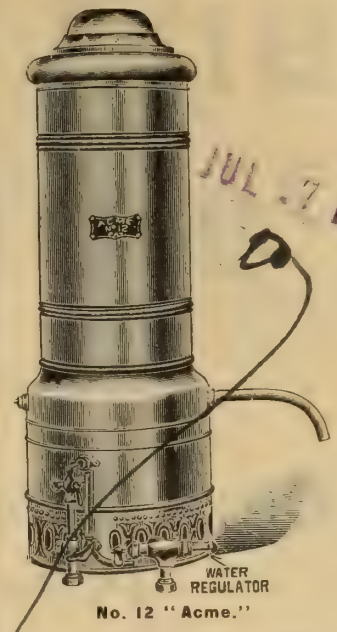
WINDOW GLASS



Stocks are now arriving in all kinds of Window Glass, Picture Glass, Ornamental and Rolled Glass. Send us your specification for shipment or for quotation. Prompt shipment for large specifications, or small sorting orders. Glass in prime condition.

A. RAMSAY & SON — EST'D 1842 — GLASS IMPORTERS PAINT MAKERS
MONTREAL

What a Convenience



No. 12 "Acme."

it is to get **Hot Water** at any time during day or night—and get it instantly without depending upon your kitchen range!

What a pleasure in hot water! Simply light the burner, turn on Faucet and you have it.

The "Acme" instantaneous heater has safety Pilot-lock to insure easy and perfect operation and prevent waste of gas.

Fully guaranteed.

A postal brings circular and prices.

The James Morrison Brass Mfg. Co., Limited
89-97 Adelaide St. West, TORONTO.

PIPE and FITTINGS

Our enlarged premises admit of our carrying a more complete line of

PIPE FITTINGS and PIPE TOOLS

than ever.

WE CAN HANDLE YOUR TRADE.

The Fairbanks Company,

747 and 749 Craig St., MONTREAL.

ORMISTON BUILDING, VANCOUVER, B. C.

"Island City Paint Works"

Make the following:

"Island City" Decorators' Pure Lead.
" " Pure White Paint.
" " Special Decorators' Lead.
" " Pure Ready-Mixed Paint.
" " Floor Paint (*Drys in Eight Hours*).
"National" Ready-Mixed Paint.

Also

Varnishes for Coach Makers.
" " Inside and Outside Work.

The Brand **"ISLAND CITY"** is our Guarantee.

P. D. DODS & CO.

Proprietors. Montreal.

Our Business Success . .

depends on our ability to furnish retail paint dealers with the class of colors they can make a good profit on. This fact we keep always before us.

Lucas Intense Greens

as their name implies, are worthy of the special attention of paint dealers on account of their intensity of color and strength. They build trade for dealers.

They are "Yellow Bottom" Greens, generally best for delicate tints, as they are remarkably stable and exceptionally durable when exposed to the action of the elements.

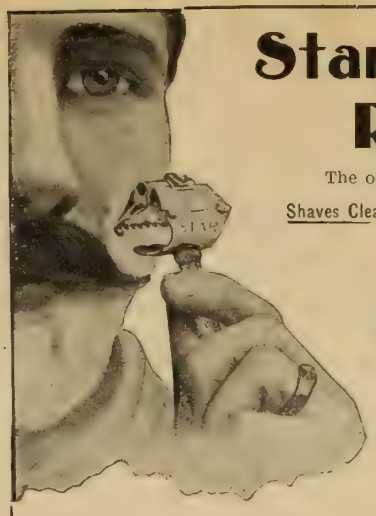
They're the most famous Greens in the world for painting Window Blinds, Wagons and Agricultural Implements, being unsurpassed in covering qualities, body, and tone of color. Dry and in Oil. Write us.

JOHN LUCAS & CO

Paint, Varnish and Color Manufacturers

NEW YORK ***PHILADELPHIA*** *CHICAGO*

Originators of the famous Lucas Greens. **Beware of Counterfeits.**



Star Safety Razor.

The original and best Safety.

Shaves Clean Saves Time Never Pulls



Over 5,000,000 daily users are our best advertisers.

A Razor of merit.

Established 1875.

A Marvel of Simplicity and Durability

BEWARE OF IMITATIONS.

The Three Star Safety is the only Safety Razor that can be adjusted to a hair's width by anybody to suit any face or beard by means of adjusting screws, fully protected from infringers by the U.S. Circuit Court.

For sale by all leading dealers throughout Canada. Rock bottom prices upon application to

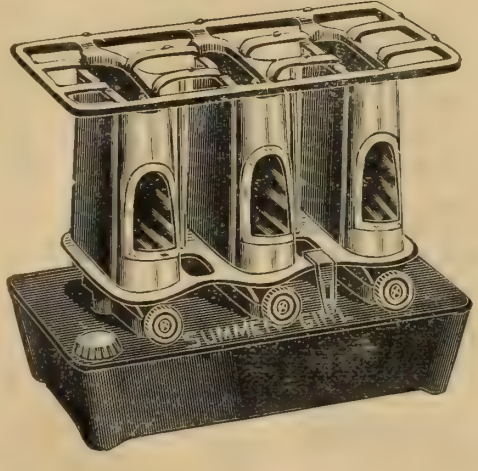
KAMPFE BROS.,

INVENTORS AND MANUFACTURERS,

8 Reade Street - NEW YORK CITY

TWO GOOD LINES FOR THE HOT WEATHER

OIL STOVES.



"LIGHTNING"

Crank — 1, 2, 3, 4, 6, 8, 10, 12, 14 qt.

Fly Wheel—14 and 20 qt.

Iron Bottom "Summer Girl"

1, 2 and 3 burner.

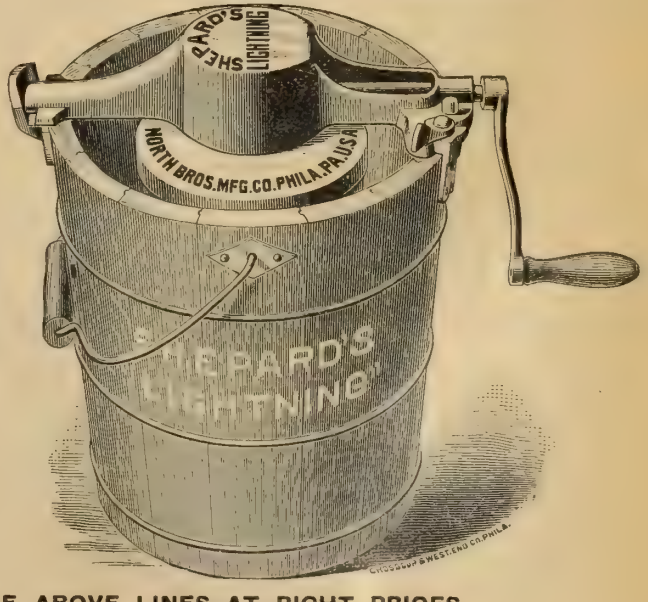
Glass Bottom "German"

1, 2 and 3 burner.

Tin Bottom, "Eagle," 2 and 3 burner.

"Blue Flame Wickless," "Standard"—All Sizes

ICE CREAM FREEZERS.



WE HAVE ON HAND A GOOD STOCK OF THE ABOVE LINES AT RIGHT PRICES.

THE THOS. DAVIDSON MFG. CO., Limited

MONTREAL.

MANITOBA MARKETS.

Winnipeg, June 23, 1902.

BUSINESS is steady in all lines, particularly in building hardware. There is nothing new to be said of paints and oils. All kinds of metal scrap are in great demand at present.

The only important price change for the week is a reduction of 35c. per keg in horseshoes. Prices now are $4.30 for small sizes and $4 40 for steel shoes, and an advance of 10c. on flat irons, prices being 75c. for plain and 85c. for nickelled.

The price list for the week is as follows :

Barbed wire, 100 lb	$3 30
Plain twist	3 40
Staples	3 95
Oiled annealed wire 10	3 85
" 11	3 90
" 12	3 95
" 13	4 10
" 14	4 25
" 15	4 35
Galvanized wire, 6 to 8 gauge	4 00
" 9 "	3 50
" 10 "	4 05
" 11 "	4 20
" 12 "	3 65
" 13 "	3 75
" 14 "	4 45
" 15 "	4 60
" 16 "	4 75
Wire nails, 30 to 60 dy, keg	3 25
" 16 and 20	3 35
" 10	3 35
" 8	3 45
" 6	3 50
" 4	3 65
" 3	3 90
Coil chain, 3-16 inch	10½
" ¼ inch	8¾
" 5-16 inch	5½
" ⅜ inch	5¼
" 7-16 inch	5
" ½ to ¾ inch	4¾
Cut nails, 30 to 60 dy	3 10
" 20 to 40	3 15
" 10 to 16	3 20
" 8	3 25
" 6	3 30
" 4	3 60
" 3	3 75
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to No 1	4 30
No. 2 and larger	4 05
Snow shoes, No. 0 to No. 1	4 55
No. 2 and larger	4 05
Steel, No. 0 to No. 1	4 40
No. 2 and larger	4 35
Bar iron, $2.70 basis.	
Swedish iron, $5.00 basis.	
Sleigh shoe steel	3 25
Spring steel	3 25
Machinery steel	3 75
Tool steel, Black Diamond, 100 lb	8 50
Jessop	13 00
Sheet iron, black, 10 to 20 gauge, 100 lb.	3 50
20 to 26 gauge	3 75
28 gauge	4 00
Galvanized American, 16 gauge	2 79
18 to 22 gauge	4 75
24 gauge	5 00
26 gauge	5 25
28 gauge	5 50
Genuine Russian, lb	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 75
26 gauge	8 00
28 gauge	8 50
Tinplate, IC charcoal, 20 x 28, box	11 00
" IX "	13 00
" IXX "	15 00
Ingot tin	33
Canada plate, 18 x 21 and 18 x 24	3 25
Sheet zinc, cask lots, 100 lb	7 00
Broken lots	7 50
Pig lead, 100 lb	6 00
Wrought pipe, black up to 2 inch....50 and	10 p.c.
" Over 2 inch	50 p.c.
Rope, sisal, 7-16 and larger	$13 50
" ⅜	14 00
" ¼ and 5-16	14 20
Manila, 7-16 and larger	17 00
" ⅜	17 55
" ¼ and 5-16	18 00
Solder	20
Cotton Rope, all sizes, lb	17
Axes, chopping $7 50 to	12 00
" double bitts 12 00 to	18 00
Poultry netting, 24 in	1 35
Screws, flat head, iron, bright	87½
Round " "	82½
Flat " brass	80
Round " "	75
Coach	57½ p.c.
Bolts, carriage	50 p.c.
Machine	50 p.c.
Tire	60 p.c.
Sleigh shoe	65 p.c.
Plough	40 p.c.
Rivets, iron	50 p.c.
Copper, No. 8	32
" No. 12	36
Bluestone, cask lots	$5 50
Spades and shovels	40 p.c.
Harvest tools	60 p.c.
Axe handles, turned, s. g. hickory, doz.	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 75
No. 1	1 25
Files common 70, and	10 p.c.
Diamond	60
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	30 p.c.
" military	15 p.c.
American R.F.	30 p.c.
C.F. pistol	5 p.c.
C.F. military	10 p.c. advance.
Loaded shells :	
Eley's soft, 12 gauge black	16 50
chilled, 12 gauge	18 00
soft, 10 gauge	21 00
chilled, 10 gauge	23 00
Shot, Ordinary, per 100 lb	6 25
Chilled	6 75
Powder, F.F., keg	4 75
F.F.G.	5 00
Tinware, pressed, retinned 75 and	2½ p.c.
" " plain 70 and	15 p.c.
Graniteware, according to quality	50 p.c.

PETROLEUM.

Water white American	25½c.
Prime white American	24c.
Water white Canadian	22c.
Prime white Canadian	21c.

BINDER TWINE.

Sisal and Standard f.o.b. Winnipeg	$ 12
Manila, 550 feet	13½
Manila, 600 feet	14¼
Pure Manila	16

Five-ton lots ¼c. less per lb., and car-lots ¼c. less.

SCRAP.

No. 1 cast iron	$13 to $14 per ton
No. 2 "	5 to 6 "
Wrought iron scrap	5 "
Copper (heavy)	7c. per lb.
Yellow brass (heavy)	7½c. "
Light brass	5c. to 6c. "
Lead pipe, or tea lead	2c. to 2½c. "
Zinc scrap	1c. "

PAINTS, OILS AND GLASS.

Turpentine, pure, in barrels	$ 75
Less than barrel lots	80
Linseed oil, raw	87
Boiled	90
Lubricating oils, Eldorado castor	29
Eldorado engine	28½
Atlantic red	29½
Renown engine	41½
Black oil	20
Cylinder oil (according to grade)	55 to 74
Harness oil	65
Neatsfoot oil	90
Steam refined oil	85
Sperm oil	2 00
Pure castor oil, East India	11
Lubricating	10
Glass, single glass, first break, 16 to 25 united inches	2 50
26 to 40 per 50 ft.	2 75
41 to 50 " 100 ft.	6 00
51 to 60 " " "	6 50
61 to 70 per 100-ft. boxes	7 00
Putty, in bladders, barrel lots per lb.	2½
kegs "	2¾
White lead, pure per cwt.	6 50
No. 1 "	6 00
Prepared paints, pure liquid colors, according to shade and color, per gal.	$1.30 to $1.90

"Something
"New
"Under
"The
"Sun

Special Notice to all who sell Paint.

During the high price of **LINSEED OIL** and **TURPENTINE** attention is directed to :

The Canada Paint Company's

MAGNETIC OIL

for all kinds of Painting, inside and outside. It is guaranteed to dry hard, will mix with all pigments ground in Oil, and is specially adapted for thinning Paint in paste form without using Linseed Oil, Turpentine or Dryers of any kind. It has been tested and is thoroughly safe, has great toughness, and may be depended upon for DURABILITY.

SOLE MAKERS

THE CANADA PAINT COMPANY, Limited,



Note the name "MAGNETIC" and beware of substitutes.

SELLING AT LESS THAN COST

Goods that are soiled or rusted is a needless sacrifice, when you can have them

REPLATED LIKE NEW

at a very little expense, and get your regular price for them.

Let Us Give You Prices.

We replate and polish all kinds of metal goods, shelf hardware, bicycle parts. Write us and we will give you **Low Rates for Good Work.**

MOORE & ORR, ELECTRO PLATERS

81 Adelaide W., TORONTO.



FRANK MILLER'S

HARNESS PREPARATIONS.

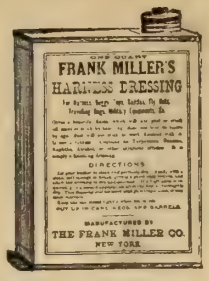
FRANK MILLER'S

HARNESS-DRESSING

Recognized as

"THE STANDARD."

Produces a brilliant jet-black gloss which will not peel or smut and to which dirt will not stick.





Frank Miller's

Harness Soap

Unrivaled for cleaning and softening Harness

Put up in cakes, pans, boxes and tubs.

FRANK MILLER'S

Harness Oil.

Preserves and softens the leather, thus adding life.

The highest quality of oil on the market.



Wrapping Papers

THE GOOD KIND.

This is the kind you get from these mills—full weight—480 sheets to the ream every time.

—See that you are well stocked
—with our wrapping papers—
—brown or manilla.

CANADA PAPER CO., Limited

TORONTO and MONTREAL.

The Oshawa Wire Fence Co.

OSHAWA, ONT. Limited

Manufacturers of...

Woven Wire Fencing, Gates, Etc.
Also Dealers in Galvanized Fence Wire.



Agents wanted Send for catalogue and prices.

A Good Reputation
A Good Past
A Good Present
A Good Future
Hardware and Metal
Montreal and Toronto
And all over Canada
Once a week
Carries Lots of Advertising
Because
It pays Advertisers

Hardware and Metal
Montreal and Toronto

HOTEL SILVERWARE



No. 10—Salad Caster.

Remember that we are the Headquarters in Canada for what is termed

Hotel Silverware

both in Flat and Hollow Ware. In fact, we make a specialty of

Silverware

suitable for

HOTEL CLUB STEAMBOAT and DINING CAR

purposes, and issue a special Catalogue illustrating same.

In travelling through Canada by Boat, Car, and in stopping at the principal Hotels, turn up the Spoon or Fork you are using and see if nine-tenths of them are not stamped

THE TORONTO SILVER PLATE CO.
Limited

Factories and Salesrooms, King St. West, Toronto, Canada.

E. G. GOODERHAM, - - - Managing Director

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

R. B. Boddy, grocer and hardware merchant, Cookstown, Ont., has assigned to G. T. Somers.

The Dominion Sporting Goods Co., Montreal, has assigned.

Lamarche & Benoit are curators of Wm. Smith, jr., brickmaker, Montreal.

Joseph Bourque, general merchant, St. Gertrude, Que., is offering 35c. on the dollar.

A. Prevost & Co., general merchants, St. Agathe Des Monts, Que., has assigned to Lamarche & Benoit.

Miss Sarah Smith, general merchant and hotelkeeper, Metapedia, Que., is offering to compromise at 25c. on the dollar, cash.

PARTNERSHIPS FORMED AND DISSOLVED.

A. Pouliot & Co., dealers in blinds, etc., Montreal, have dissolved.

Desforges & Geoffrion, hardware merchants, Montreal, have dissolved.

Octave Petit & Cie, lumber merchants, Maddington Falls, Que., have dissolved.

N. Lamontagne & Fils, general merchants, Levis, Que., have registered a partnership.

D. C. Crawford, general merchant, new Liskeard, Ont., has admitted a partner; the style is now Crawford & McKenzie.

SALES MADE AND PENDING.

The assets of Arthur Sodbout, general merchant, St. Casimir, Que., have been sold.

The assets of Joseph Plomde, general merchant, Riviere a Pierre, Que., are to be sold.

The stock of James McArthur, hardware merchant, Prince Albert, N.W.T., has been sold at 65c. on the dollar.

Thomas W. Mitchell, sawmill owner and manufacturer of staves, Warwick, Ont., is advertising his business for sale.

The stock, etc., of E. N. Hurtubise & Co., sawmill and general store, Ottawa and West Aylwin, Que., has been sold.

CHANGES.

John Brass, tinsmith, Moose Jaw, N.W.T., has sold out to W. B. Hawke.

The Beaver Window Shade Co., blinds, etc., Montreal, have registered.

Henry O'Brien has registered for H. O'Brien & Co., painters, Montreal.

E. A. Bowen, harnessmaker, Ladner, B.C., is succeeded by H. McDowell.

Desforges, Desforges & Cie, hardware merchants, Montreal, have registered.

W. H. Moore, general merchant, Elan Creek, Ont., is succeeded by S. Brownstone.

Allister A. Taylor, blacksmith, Bridgetown, N.S., has sold out to G. Goldsmith.

D. H. Pennington & Co., lumber merchants, Lyster Station, Que., have registered.

George H. Perry, general merchant, Harcourt, N.B., has sold out to M. J. Dunn.

T. Belanger, general merchant, Ville Marie, Que., has sold out to Miller & Riopelle.

Mrs. Wm. Clendenning has registered for Wm. Clendenning & Son, ironfounders, etc., Montreal.

Bell & Jelland, general merchants, Enderby, B.C., are succeeded by the Enderby Trading Co.

Philomene Noel, wife of Sevigney Simeon, general merchant, St. Flavien, Que., has registered as proprietress.

Ovide Lafortune, blacksmith, St. Remi D'Amherst, Que., has removed to St. Andre Avelin and started a grocery.

The Crown Corundum Co., Limited, Toronto, has sold out to The Sapline Corundum and Mica Co., Limited.

J. W. Mellor, wholesale and retail paint merchant, Victoria, B.C., is succeeded by J. W. Mellor & Co., Limited.

The plant, etc., of the Kinney Haley Manufacturing Co., planing mill, etc., Yarmouth, N.S., has been sold to A. W. Eakins.

FIRES.

A portion of the stock in the yard of M. A. Grier, lumber merchant, Montreal, was burned; insured.

The saw works of Shurly & Dietrich, manufacturers of saws and iron and brass bedsteads, Galt, Ont., have been burned; partially insured.

DEATHS.

George Heilig, builder, Hamilton, is dead.

L. A. Lefort, stationer, tobacconist, etc., Montreal, is dead.

Johnston Brown, general merchant, Tichborne, Ont., is dead.

John Sucksmith, lumberman, Grand Forks, B.C., is dead.

Octave Boulanger, general merchant, St. Agathe, Que., is dead.

J. J. Burke, of Burke Bros., general merchants, St. Jacques, Nfld., is dead.

James M. Martin, of Martin Bros., hardware merchants, Rossland, B.C., is dead.

J. H. Scummell, of J. H. Scummell & Co., shipbrokers and lumber merchants, St. John, N.B., is dead.

LOOKING FOR AN OPENING.

A hardwareman who has had many years' experience in Great Britain, both as a salesman and employer, is desirous of securing either a situation in Canada or of purchasing a suitable business. Any communication addressed to the Editor of HARDWARE AND METAL will reach him.

OUT OF THE EAST.

Alexander Gibb has just become the western representative of Campbell Bros., St. John, N.B., manufacturers of axles, springs, axes, hatchets, etc., and has received a handsome line of samples, which will be shown to the trade in a short time. The firm of Campbell Bros. have a large business in the Maritime Provinces, and do a considerable export trade in ship adzes with various shipbuilding centres in the United States. The axes, hatchets, adzes, etc., are finished in aluminum paint and are handsome tools. The trade should not fail to see them.

Common galvanized iron

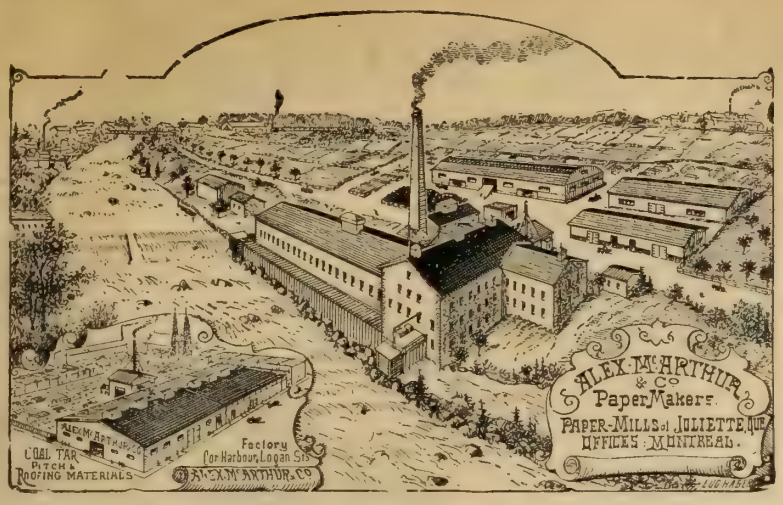
has all the faults there are;

the worst one is its varying.

Apollo is uniform.

American Sheet Steel Company, New York

Representatives for Canada
B. & S. H. Thompson & Company
53 St. Sulpice Street
Montreal



Bell Telephone, - - - - Main 208.
Merchants' - - - - - 311.

P. O. Box 839.

ALEX. McARTHUR & CO.

—MANUFACTURERS—

2 & 3-Ply Ready Roofing,
Building Papers,
Sheathing and Carpet Felt,
Coal Tar Products.

Hanging and
Print Paper,
Brown and Manilla
Wrapping.

Paper Mills: Joliette, Que.
Felt Factory: Harbour and Logan Sts., Montreal.
82 McGill Street, Montreal.

It will pay intending purchasers to obtain our prices before buying.

CURRENT MARKET QUOTATIONS.

June 17, 1902.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

TIN.

Lamb and Flag and Straits—	
56 and 28 lb. ingots, 100 lb.	$32 00 $33 00

TINPLATES.

Charcoal Plates - Bright.

	Per box.
M.L.S., equal to Bradley.	
I.C., usual sizes	$6 75
I.X. "	8 25
I.X.X. "	9 75
Famous, equal to Bradley—	
I.C.	6 75
I.X.	8 25
I.X.X.	9 75
Raven and Vulture Grades—	
I.C., usual sizes	5 00
I.X. "	6 00
I.X.X. "	7 00
I.X.X.X. "	8 00
D.C., 12½x17	4 50
D.X.	5 25
D.X.X.	6 00

Coke Plates—Bright.

Bessemer Steel—	
I.C., usual size, 12x20	4 25
I.C., special sizes, base	4 75
20 x 28	9 00

Charcoal Plates Terne.

Dean or J.G. Grade	
I.C., 20x28, 112 sheets	8 50
I.X., Terne Tin	10 50

Charcoal Tin Boiler Plates.

Cookley Grade—	
X A., 14x56, 50 sheet bxs.	
" 14x60, " " }	0 06½
" 14x65, " " }	

Tinned Sheets.

72x30 up to 24 gauge	8 00
" " 26 "	8 50

IRON AND STEEL.

Common bar, per 100 lb.	1 95	2 05
Refined "		2 45
Horseshoe Iron "		2 40
Hoop steel, 1½ to 3 in. base		2 90
Sleigh shoe steel, "		2 10
Tire steel	2 30	2 50
Reeled machinery		3 00
Toe calk steel	2 85	3 00
T. Firth & Co.'s tool steel, per lb	0 12½	0 13
Jessop's tool steel		0 14
Mort n's tool steel	0 12½	0 13
Black Diamond and "B.C." tool steel	0 10	0 11
Chas. Leonard's tool steel	0 08	0 09
Park's "silver" tool steel	0 12	0 14
" "special"	0 15	0 20
Jonas & Colver's tool steel	0 08	0 15
" "air hardening"	0 30	0 50
Drill steel, per lb.	0 08	0 10

BOILER TUBES.

	Per foot.
1½, 1¾ and 4 inch	0 10
2½ in.	0 17½
3 in.	0 14

STEEL BOILER PLATE.

¼ in.	2 50	2 60
3-16 in.	2 60	2 70
⅜ in. and thicker	2 50	2 60

BLACK SHEETS.

	Com.	D.Fl.
18 gauge	2 85	3 00
20 "	2 85	3 00
22 to 24 gauge	2 95	3 25
26 "	3 05	3 50
28 "	3 15	

COPPER WARE.

Discount, 50 per cent.

CANADA PLATES.

All dull, 52 sheets	3 00
Half-polished	3 10
All bright	3 75

IRON PIPE.

Black pipe—	Per 100 feet.
⅛ inch	2 90
¼ "	2 40
⅜ "	2 65
½ "	2 85
¾ "	3 65
1 "	5 20
1¼ "	7 15
1½ "	8 95
2 "	12 55
2½ "	24 00
3 "	28 00
3½ "	36 00
4 "	43 00
4½ "	50 00
5 "	57 00
6 "	73 00
Galvanized pipe—	
¼ inch	3 20
⅜ "	3 45
½ "	3 85
¾ "	5 00
1 "	7 20
1¼ "	10 05
1½ "	12 20
2 "	16 85

Discount 4 per cent.

Malleable Fittings—Discount 40 p.c.

Cast Iron Fittings—

On all cast iron fitting, including plugs, bushings, unions and nipples, 6 p.c. dis.

All others—discount 50 p.c.

GALVANIZED SHEETS.

	G.C.	Comet.	Queen's Head.
18 gauge			
18 to 24 gauge	4 05	3 75	4 05
26 "	4 25	4 00	4 25
28 "	4 50	4 25 *4 40	4 50

Less than case lots 10 to 25c. extra.

*29 gauge.

CHAIN.

Proof coil, 3-16 in., per 100 lb.		
" ¼ "	7 85	8 10
" 5-16 "	5 25	5 50
" ⅜ "	4 50	4 75
" 7-16 "	4 25	4 50
" ½ "	4 20	4 50
" 9-16 "	4 05	4 50
" ⅝ "	4 00	4 50
" ¾ "	4 00	4 50
Halter, kennel and post chains, 40 to 40 and 5 p.c.		
Cow ties	40 p.c.	
Tie out chains	65 p.c.	
Stall fixtures	35 p.c.	
Trace chain	45 p.c.	
Jack chain, iron, single and double, discount 35 p.c.		
Jack chain, brass, single and double, discount 40 p.c.		

COPPER.

	Ingot.	Per 100 lb.
English B.S., ton lots		14 00
Lake Superior		

Bars.

Cut lengths, round, ½ to ⅞ in	23 00 25 00
" round and square, 1 to 2 inches	23 00 25 00

Sheet.

Plain, 14 oz., and light, 16 oz., 14x48 and 14x60	22 00 22 50
Plain, 14 oz., and light, 16 oz., irregular sizes	22 50 23 00
Tinned copper sheet	24 00
Planished	32 00

Braziers' (in sheets).

4x6 ft., 25 to 30 lb. each, per lb.	0 23
" 35 to 45 " "	0 22
" 50-lb. and above "	0 21

Boiler and T.K. Pitts.

Plain tinned, per lb.	0 28
Spun, per lb.	0 32

BRASS.

Rod and Sheet, 14 to 20 gauge, 15 per cent.	
Sheets, hard-rolled, 2x4	0 23
Tubing, base, per lb.	0 23½

ZINC SPELTER.

Foreign, per lb.	5 50 6 00
Domestic "	

ZINC SHEET.

5-cwt. casks	6 00 6 25
Part casks	6 25 6 50

LEAD.

Imported Pig, per 100 lb.	3 50 3 75
Bar, per lb.	0 05
Sheets, 2½ lb. sq. ft., by roll	0 06¼
Sheets, 3 to 6 lb. "	0 06

NOTE.—Cut sheets ½c. per lb. extra. Pipe, by the roll, usual weights per yard, lists at 7c. per lb. and 37½ p.c. dis. f.o.b. Toronto.

NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths, lists at 8c.

SHOT.

Common, $6.50 per 100 lb.; chilled, $7.00 per 100 lb.; buck, seal and ball, $7 50. Discount, 22½ p.c. Prices are f.o.b. Toronto, Hamilton, Montreal, St. John and Halifax. Terms 3 p.c. cash, freights equal zed.

SOIL PIPE AND FITTINGS.

Discount, 60 p.c. on medium and extra heavy, and 55 p.c. on light soil pipe and fittings.

SOLDER.

	Per lb.	Per lb.
Bar half-and-half, guaranteed		0 20
Bar, half and-half, commercial		0 19½
Refined		0 19
Wiping		0 18½

ANTIMONY.

Cookson's, per lb.	9 50

WHITE LEAD.

	Per 100 lb.
Pure	5 87½
No. 1	5 50
No. 2	5 12½
No. 3	4 75
No. 4	4 37½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B.B. Genuine	7 00
" " No. 1	6 00

RED LEAD.

Genuine, 560 lb. casks, per cwt.	$4 75
Genuine, 100 lb. kegs, per cwt.	5 00
No. 1, 560 lb. casks, per cwt	4 25
No. 1, 100 lb. kegs, per cwt.	4 50

WHITE ZINC.

Extra Red Seal	0 06 0 08
No. 1	0 05½ 0 07
No. 2	0 05 0 06

DRY WHITE LEAD.

Pure, casks	5 25
Pure, kegs	5 50
No. 1, casks	5 00
No. 1, kegs	5 25

PREPARED PAINTS.

In ¼, ½ and 1-gall n tins.

Pure, per gallon	1 25
Second qualities, per gallon	1 0
Barn (in bbls.)	0 90
The Sherwin-Williams paints	1 40
Canada Paint Co's pure	1 25
Toronto Lead & Color Co's pure	1 25
Sanderson Pearcy's pure	1 20
Stewart & Wood's Champion pure	1 20

COLORS IN OIL.

25 lb. tins, standard Quality.

Venetian red, per lb.	0 04½ 0 06
Chrome yellow	0 12 0 14
Golden ochre	0 08 0 10
French "	0 06
Marine black	0 09
Chrome green	0 10
French imperial green	0 12
Signwriters' black	0 16
Burnt umber	0 11
" sienna	0 11
Raw umber	0 11
" sienna	0 11

COLORS, DRY.

Common ochre, bbls	1 20	1 30
Yellow ochre (J.F.L.S.), bbls.		2 00
Yellow ochre (La Belle)	1 15	1 25
Brussels ochre		2 00
Venetian red (best), bbl.	1 75	2 00
English oxides, per cwt.	3 00	3 25
American oxides, bbls.	1 25	2 00
Canadian oxides, bbls.	1 25	1 75
Super magnetic oxides, 93 p.c.	2 00	2 25
Burnt sienna, pure, per lb.		0 0
" umber, " "		1 10
Raw do		0 09
Drop black, pure		0 09
Chrome yellows, pure		0 18
Chrome greens, pure per lb.	0 09	0 10
Golden ochre	0 04	0 05
Ultramarine blue, in 28-lb. boxes, per lb.	0 06	0 18
Fire proof mineral, per 100 lb.		1 00
Genuine Eng. Litharge, per lb.		0 07
Mortar color, per 100 lb.	1 25	1 50
Pure Indian red, No. 45, lb.	0 08	0 10
Whiting, bbl.	0 55	0 60
English vermilion in 30-lb. bags.		0 95

PARIS GREEN.

	Per lb.
Petroleum, casks	0 16½ 0 18
Arsenic kegs	0 17 0 19
50 lb. and 100-lb. drums	0 18½ 0 19½
25-lb. drums	0 19 0 20
1-lb. packages	0 20 0 20½
½-lb. do	0 22 0 22½
1-lb. tins	
½ lb. do.	

F.O.B. Toronto. Terms—3 p.c. off 30 days, or 4 mos. from date of delivery.

BLUESTONE.

Casks, for spraying, per lb.	0 07
100-lb. lots, do. per lb	0 08

PUTTY.

Bulk in bbls.	1 90
Bulk in less quantity	2 05
Bladders in bbls.	2 25
Bladders in kegs, boxes or loose	2 40
Bladders in 25-lb. tins	2 55
Bladders in 12½ lb. tins	2 65
Bladders in bulk or tins less than 100 lb	2 90

VARNISHES.

	In 5-gal. lots. Per gal.	Net.
Carriage, No. 1	1 50	1 60
Pale durable body	4 10	4 25
" rubbing	2 85	3 20
Gold size, japan	2 85	3 00
No. 1 brown japan	0 85	0 90
Elastic oak		1 50
Furniture, extra		1 25
" No. 1		1 10
Hard oil finish	1 65	1 75
Light oil finish	1 40	1 60
Damar	1 70	1 85
Shellac, white	2 35	2 45
" orange	2 25	2 35
Turpentine, brown japan	1 25	1 30
" black japan	0 85	1 50
" " No. 1	0 50	0 75
Elastilite varnish, 1 gal. can, each		2 00
Granitine floor finish, per gal.		2 75

Maple Leaf coach enamels: Size 1, $1.20; size 2, 70c.; size 3, 40c. each.

Sherwin-Williams' copal varnish, assorted case, from ½-pts. to 1 gal. $7.50.

CASTOR OIL.

East India, in cases, per lb.	0 00½ 0 10
" small lots	0 10 0 10

COD OIL, ETC.

Cod oil, per gal.	0 50 0 55
Pure olive	1 10
" neatsfoot	0 90

GLUE

Common	0 08½ 0 09
French medal	0 14 0 14½
Cabinet sheet	0 12 0 13
White, extra	0 18 0 20
Gelatine	0 2 0 30
Strip	0 18 0 20
Coopers	0 19 0 20
Nuttner	0 18

STEEL, PEECH & TOZER, Limited

Phœnix Special Steel Works. The Ickles, near Sheffield, England.

Manufacturers of

Axles and Forgings of all descriptions, Billets and Spring Steel, Tyre, Sleigh Shoe and Machinery Steel.

Sole Agents for Canada.

JAMES HUTTON & CO., - MONTREAL

HARDWARE.

Ammunition.

Cartridges.

B B Caps Dom. 50 and 5 per cent.
Rim Fire Pistol, dis 40 p. c., Amer
Rim Fire Cartridges, Dom., 5 and 5 p. c
Central Fire Pistol and Rifle 10 p.c. Amer.
Central Fire Cartridges, pistol sizes Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 per cent.
Central Fire, Military and Sporting, Amer. add 5 p.c. to list. B.B. Caps, discount 40 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 10 p.c. advance on list.
Brass Shot Shells, 55 per cent.
Primers, Dom., 30 per cent.; American, $1.6).

Wads	per lb
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb. bags	70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	

Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 20 per cent.

Anvils.

Wright's, 80-lb. and over	0 10¾
Hay Budden, 80-lb. and over	0 09¼
Brooks, " " "	0 11¼

Augers.

Gilmour's discount 65 and 5 p.c. off list.

Axes.

Chopping Axes

Single bit, per doz	5 50	10 00
Double bit, "	11 00	18 00

Bench Axes, 40 p.c.
Broad Axes, 25 per cent.

Hunters' Axes	5 50	6 00
Boys Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Axle Grease.

Ordinary, per gross	5 75	6 00
Best quality	13 00	15 00

Bath Tubs.

Zinc		6 00

Copper, discount 15 p.c. off revised list

Baths.

Standard Enameled.

5½-inch rolled rim, 1st quality	24 00
" " " 2nd "	20 00

Anti-Friction Metal.

"Tandem" A	per lb.	0 27
" B	"	0 21
" C	"	0 11½
Magnolia Anti-Friction Metal, per lb		0 25
Frictionless metal, per lb		0 23
SYRACUSE SMELTING WORKS.		
Aluminum, genuine		0 41
Dynamo		0 27
Special		0 22
Aluminum, 99 p.c. pure "Syracuse"		0 45

Bells.

Hand

Brass, 60 per cent.
Nickel, 55 per cent.
Cow.
American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Door.

Gongs, Sargant's	5 50	8 00
" Peterboro', discount 45 per cent		

Farm.

American, each	1 25	3 00

House.

American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00

Blacksmiths', discount 40 per cent.

Belting.

Extra, 60 per cent.
Standard, 60 and 10 per cent.
No. 1, not wider than 6 in., 60 10 and 10 p.c.
Agricultural, not wider than 4 in., 75 p.c.

Bits.

Auger.

Gilmour's, discount 60 and 5 per cent.
Rockford, 50 and 10 per cent.
Jennings' Gen. net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind and Bed Staples.

All sizes, per lb	0 07¾	0 12

Bolts and Nuts. Per cent.

Carriage Bolts, common ($1 list)	55
" " full square ($1.40 list)	55
" " Norway iron ($3 list)	50
Machine Bolts, all sizes	50 and 5
Plough Bolts	50 and 5
Blank Bolts	50 and 5
Bolt Ends	50 and 5
Sleigh Shoe Bolts	65 and 5
Coach Screws, cone point	66⅔
Nuts, square, all sizes, 3½c per lb off.	
Nuts, hexagon, all sizes 3¾c. per lb. off.	
Stove rods, per lb. 5½ to 6c.	
Nuts, in 50 lb. lots 1¼c. per lb extra in less than 50 lb lots, ½c extra.	

Boot Calks.

Small and medium, ball, per M	4 25	
Small heel, per M	4 50	

Bright Wire Goods.

Discount 61½ per cent

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent

Henis, No. 8		6 00
Henis, No. 9,		7 00
Queen City	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Butcher Knives.

Bailey's, per doz	0 60	6 30

Building Paper, Etc.

Tarred felt, per 100 lb	1 70
Ready roofing, 2-ply, not under 45 lb. per roll	85
Ready roofing, 3-ply, not under 65 lb. per roll	1 10
Carpet felt, per ton	45 00
Dry sheathing, per roll, 400 sq. ft	35
Tar sheathing, " " "	45
Dry fibre " " "	50
Tarred fibre, " " "	60
O.K. & I.X.L., " " "	65
Resin-sized, " " "	40
Oiled sheathing, " 600 "	1 10
" " " 400 "	70
Roofing in barrels, per gal	17
" small packages	25
Refined tar, per barrel	4 50
Coal tar, "	4 00
Coal tar, less than barrels, per gal	15
Roofing pitch, per 100 lb	85

Bull Rings.

Copper, $2.00 for 2½ in. and $1.90 for 2 in.

Butts.

Wrought Brass net revised list.

Cast Iron.

Loose Pin, dis., 60 per cent.

Wrought Steel

Fast Joint, dis. 65, 10 and 2½ per cent.
Loose Pin, dis. 65, 10 and 2½ per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.

Gen. Bronzed, per pair	0 40	0 65

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz		6 50

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	8 50	9 50

Cement.

Canadian Portland	1 90	2 75
English "	3 00	3 15
Belgian "	2 50	2 75
Canadian hydraulic	1 25	1 50
Arrow		2 25
Buffalo		2 00

Chalk.

Carpenters Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 70 per cent.
Warnock's, dis. 70 per cent.
P. S. & W. Extra 60, 10 and 5 p.c.

Churns.

Revolving Churns, metal frames—No. 0, $8—No. 1, $8.50—No. 2, $9.00—No. 3, $10.00—No. 4, $12.00—No. 5, $16.00 each. Ditto, wood frames—20c. each less than above.
Discounts: Delivered from factories, 56 p.c.; from stock in Montreal, 54 p.c.
Terms, 4 months or 3 p.c. cash in 30 days

Clips.

Axle dis. 65 per cent.

Closets.

	Net.
Plain York or Ontario Syphon Jet	$9 60
Emb. York or Ontario Syphon Jet	10 20
Fittings	1 00
Plain Elgin or Teu. Syphon Washout	6 00
Emb. Elgin or Teu. Syphon Washout	6 60
Fittings	1 25
Low Down Elgin or Teutonic, plain	9 60
" " " emb.	10 20
Plain Richelieu	4 00
Emb. Richelieu	4 25
Connections	1 25
Low Down Ont. Sy. Jet, plain	11 70
" " " " emb'd.	12 30
Closet connection	1 25
Basins P.O., 14 in	0 70
" oval 17 x 14 in	1 50
" " 19 x 15 in	2 25

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Conductor Pipe.

Plain or Corrugated.

2-inch, per 100 feet	3 00
3 " " "	4 00
4 " " "	5 25
5 " " "	6 75
6 " " "	9 00

Cradles, Grain.

Canadian, dis. 25 to 33⅓ per cent.

Crosscut Saw Handles.

S. & D., No. 3, per pair	17½
" " 5, "	22½
" 6, "	15
Boynto pattern "	20

Door Springs.

Torrey's Rod, per doz	(15 p.c.	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Coach and Wagon, dis. 50 and 10 per cent.
Carpenters, dis. 70 per cent.

Drills.

Hand and Breast

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis., 37½ to 40 per cent.
Standard dis. 50 and 5 to 55 per cent.

Faucets.

Common, cork-lined, dis. 35 per cent.

EAVE TROUGH.

10-inch, per 100 ft	$3 10

ELBOWS. (Stovepipe.) per doz.

5 and 6-inch, common	1 20
7-inch	1 35

Polished, 15c. per doz. extra.

ESCUTCHEONS.

Discount, 40 per cent.

ESCUTCHEON PINS.

Iron, discount 40 per cent.

FACTORY MILK CANS.

Discount off revised list, 40 per cent.

FILES AND RASPS.

Great Western	70 and 10	per cent.	
Arcade	70	" 10	"
Kearney & Foot	70	" 10	"
Disston's	70	" 10	"
American	70	" 10	"
J. Barton Smith	70	" 10	"
McClellan	70	" 10	"
Eagle	70	" 10	"
Nicholson, 60 and 10 to 60, 10 and 5			"
Royal	80		"
Globe	70 to 75		"

Black Diamond, 60 and 10 to 60, 10 and 5 p.c
Jowitt's, English list, 25 to 27½ per cent.
Nicholson File Co.'s "Simplicity" file handle per gross, 85c. to $1.50.

GLASS—Window—Box Price.

Size United Inches.	Per 50 ft.	Star Per 100 ft	D. Diamond Per 50 ft.	D. Diamond Per 100 ft.
Under 26	2 20	4 25	....	6 25
26 to 40	2 40	4 65	....	8 75
41 to 50	....	5 10	....	7 50
51 to 60	....	5 35	....	8 50
61 to 70	....	5 75	....	9 75
71 to 80	....	6 25	....	11 00
81 to 85	....	7 00	....	12 55
86 to 90	....	7 75	..	15 00
91 to 95	..	....	...	17 50
96 to 100	.. ..	....	.. ..	20 50

GAUGES

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's Nos. 26 to 33, each	1 65	2 40

HALTERS.

Rope, ⅜ per gross	....	....
" ½ "	....	9 00
" ⅝ to ¾	....	14 00
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

Maydole's, dis. 5 to 10 per cent 25 to 27½ per cent.	Can.	dis.

Tack.

Magnetic per doz	1 10	1 20

Sledge.

Canadian per lb	0 07½	0 08¾

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz. net	1 50	2 00
Store door, per doz	1 00	1 50

Fork.

C. & B., dis. 40 per cent. rev. list.

Hoe.

C. & B., dis. 40 per cent. rev. ist.

Saw.

American, per doz	1 00	1 25

Plane.

merican, per gross	3 15	3 75

Hammer and Hatchet.

anadian, 40 per cent.

Cross-Cut Saws.

Canadian, per pair	13¾

HANGERS.

	doz. pairs.	
Steel barn door	5 85	6 00
Stearns, 4 inch	....	5 00
" 5 inch	....	6 50
Lane's covered—		
No. 11, 5-ft. run	....	8 40
No. 11½, 10-ft. run	....	10 80
No. 12, 10-ft. run	....	12 60
No. 14, 15-ft. run	....	21 00
Lane's O.N.T. track, per foot	....	4½

HARVEST TOOLS

Discount, 60 per cent.

HATCHETS

Canadian, dis 40 to 42½ per cent.

Advance in Prices.

Owing to scarcity and increased cost of raw material, the following prices were adopted by the Tarred Paper Manufacturers' Association on June 2nd :

"D" No. 2 Dry Fibre Building Paper, per roll, $ .35
"E" No. 2 Tarred " " " " " .45
"K" Dry Straw Building Paper " " .35
"L" Tarred Straw " " " " .45

Our new Price List and Catalogue contains much useful information that you cannot obtain elsewhere. Write us if you have not received one.

The Paterson Mfg. Co., Limited

Toronto and Montreal.

HINGES.

Blind, Parker's, dis. 50 and 10 to 60 per cent.
Heavy T and strap, 4-in., per lb.... 0 06½
" " 5-in., " 0 06¼
" " 6-in., " 0 06
" " 8-in., " 0 05¾
" " 10-in., " 0 05½
Light T and strap, dis. 65 and 5 per cent.
Screw hook and hinge—
6 to 10 in., per 100 lbs.... .... 4 50
12 in. up, per 100 lbs.... .... 3 25
Per gro. pairs
Spring.... .... 12 00

HOES.

Garden, Mortar, etc., dis. 60 p.c.
Planter, per doz.... 4 00 4 50

HOLLOW WARE

Discount,.... 45 and 5 per cent.

HOOKS.

Cast Iron.

Bird Cage, per doz....	0 50	1 10
Clothes Line, per doz....	0 27	0 63
Harness, per doz....	0 72	0 88
Hat and Coat, per gross....	1 00	3 00
Chandelier, per doz....	0 50	1 00

Wrought Iron.
Wrought Hooks and Staples, Can. dis. 47½ per cent.

Wire.
Hat and Coat, discount 45 per cent.
Belt, per 1,000 .... 0 60
Screw, bright, dis. 55 per cent.

HORSE NAILS.

"C" brand 50 and 7½ p.c. off new list } Oval-
"M" brand 50, 10 and 5 per cent. } head
Countersunk, 60 per cent.

HORSESHOES.

Iron Shoes.	F.O.B. Montreal No. 2 and larger.	No. 1. and smaller.
Light, medium and heavy...	3 50	3 75
Snow shoes....	3 75	4 00

Steel Shoes.

Light....	3 60	3 85
Featherweight (all sizes)....	4 85	4 85

F.O.B. Toronto, Hamilton, London and Guelph, 10c. per keg additional.
Toe weight steel shoes.... 6 70

JAPANNED WARE.

Discount, 45 and 5 p.c. off list, June 1899.

ICE PICKS.

Star per doz.... 3 00 3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.
Copper, per lb.... 1 30 0 50
American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 45 p.c.
Cabinet, trunk, and padlock, Am. per gross 60

KNOBS.

Door, japanned and N.P., per doz....	1 50	2 50
Bronze, Berlin, per doz....	2 75	3 25
Bronze Genuine, per doz....	6 00	9 00
Shutter, porcelain, F. & L screw, per gross	1 30	4 00
White door knobs—per doz.	95	1 00

HAY KNIVES.

Discount, 60 per cent.

LAMP WICKS.

Discount, 60 per cent.

LANTERNS.

Cold Blast, per doz....	7 00
No. 3 "Wright's"....	8 50
Ordinary, with O burner....	4 00
Dashboard, cold blast....	9 00
No. 0....	5 75

Japanning, 50c. per doz. extra

LEMON SQUEEZERS.

Porcelain lined, ...per doz.	2 20	5 60
Galvanized....	1 87	3 85
King, wood....	2 75	2 90
King, glass....	4 00	4 50
All glass....	1 20	1 30

LINES.

Fish per gross....	1 05	2 50
Chalk "	1 90	7 40

LOCKS

Canadian, dis 40 p.c.
Russel & Erwin per doz.... 3 00 3 25
Cabinet.
agle, dis. 30 p.c.

Padlocks.

English and Am. per doz....	50	6 00
Scandinavian, "	1 00	2 40

Eagle, dis. 20 to 25 p.c.

MACHINE SCREWS. Iron and Brass.

Flat head discount 25 p.c.
Round Head discount 20 p.c.

MALLETS.

Tinsmiths' per doz....	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz..	3 85	5 00
Caulking each....	60	2 00

MATTOCKS.

Canadian, per doz.... 5 50 6 50

MEAT CUTTERS.

American, dis. 25 to 30 p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are :	Cut.	Wire.
2 d and 3d	$3 45	$3 55
3 d	3 10	3 22
4 and 5d....	2 85	3 05
6 and 7d....	2 75	2 90
8 and 9d....	2 60	2 70
10 and 12d....	2 55	2 65
16 and 20d....	2 50	2 60
30, 40, 50 and 60d. (base)....	2 45	2 55

Wire nails in carlots are $2.50
Galvanizing 2c. per lb. net extra.
Steel Cut Nails 10c. extra.
Miscellaneous wire nails, dis. 75 p.c.
Coopers' nails, dis. 30 per cent.
Flour barrel nails, dis. 25 per cent.

NAIL PULLERS.

German and American....	1 85	3 50

NAIL SETS.

Square, round, and octagon per gross....	3 38	4 00
Diamond....	12 00	15 00

POULTRY NETTING.

2-in. Mesh, 19 w.g., dis. 50 and 5 to 50 and 10 p.c.
2-in. Mesh, 18 w.g. and heavier, 50 p.c.

OAKUM.

Per 100 lb

Navy	6 00
U.S. Navy....	7 25

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal. per doz.... .... 10 00
Zinc and tin, dis. 50, 50 and 10.

Copper, per doz....	1 25	3 50
Brass, "	1 50	3 50

Malleable, dis. 25 per cent.

GALVANIZED PAILS.

Dufferin pattern pails, dis. 45 p.c.
Flaring pattern, discount 45 per cent.
Galvanized washtubs discount 45 per cent.

PIECED WARE.

Discount 40 per cent. off list, June, 1899.
10-qt. flaring sap buckets, dis. 40 p.c.
6, 10 and 14-qt. flaring pails, dis. 40 p.c.
Creamer cans, dis. 40 p.c.

PICKS.

Per doz.... 6 00 9 00

PICTURE NAILS.

Porcelain head, per gross...	1 75	3 00
Brass head "	0 40	1 00

PICTURE WIRE.

Tin and gilt, discount 75 p.c.

PINE TAR.

½ pint in tins, per gross....	7 80
1 " " "	9 60

PLANES.

Wood, bench, Canadian dis. 40 per cent. American dis. 50.
Wood, fancy Canadian or American 7½ to 40 per cent.

PLANE IRONS.

English per doz....	2 00	5 00

PLIERS AND NIPPERS.

Button's Genuine per doz pairs, dis. 37½ 40 p.c.
Button's Imitation, per doz.. 5 00 9 00
German, per doz.... 0 60 2 60

PLUMBERS' BRASS GOODS.

Standard Compression work, dis. 60 p.c.
"J.M.T." Cushion work. dis. 50 p.c.
Fuller work, dis. 65 p.c.
6 doz. lots and over of the above, extra dis. 10 p.c.

Lever Handle Stops and Waste, discount 60 p.c. With, in lots of 2 doz. and over, an extra dis. of 10 p.c.
"J.M.T." Globe, Angle and Check Valves, dis 55 p.c.
Standard Globe, Angle and Check Valves, dis. 65 p.c.
"J.M.T." Radiator Valves, dis. 55 p.c.
Standard " " " dis., 65 p.c.
Patent Quick Opening Valves, dis. 70 p.c.

No. 1 compression bath cock, net ..	2 00
No. 4 " " "	2 00
No. 7, Fuller's	2 70
No. 4½, "	2 35
Patent Compression Cushion, basin cock, hot and cold, per doz	15 00
Patent Compression Cushion, bath cock. No. 2208	2 25

Square head brass cocks, 60 p.c.
" " iron " 60 p.c.
Competition Globe, Angle and Check Valves discount, 70 p.c.
Competition Quick Opening Radiator Valves, discount, 70 p.c.

PRESSED SPIKES.

Discount 2½ per cent.

PULLEYS.

Hothouse, per doz....	0 55	1 00
Axle....	0 22	0 33
Screw....	0 27	1 00
Awning....	0 35	2 50

PUMPS.

Canadian cistern....	1 80	3 60
Canadian pitcher spout....	1 40	2 10

PUNCHES.

Saddlers', per doz....	1 00	1 85
Conductors' "	9 00	15 00
Tinners', solid per set....	0 00	0 72
" hollow per inch....	0 00	1 00

RANGE BOILERS.

	Net.
Dominion, 30 gal.	5 75
Dominion, 35 "	6 75
" 40 "	7 75
Ronald's Galvanized, 30 gallons	6 50
" " 35 "	7 50
" " 40 "	8 50
Copper, 30 gallons....	20 00
" 35 "	23 20
" 40 "	26 40

RAKES.

Wood, per doz. net 110

RAZORS.

	per doz.
Elliot's	4 00 18 00
Geo. Butler & Co.'s....	4 00 18 00
Boker's....	7 50 11 00
" King Cutter....	12 50 50 00
Wade & Butcher's	3 60 10 00
Theile & Quack's....	7 00 12 00
Bailey's	6 00 12 00
Carbo Magnetic Razor	15 00
Griffon Barbers' Favorite	10 75
Griffon No. 65....	13 0
Griffon Safety Razors....	13 50
" Stropping Machines.	13 50

All other razors 50 p.c. off catalogue price.

REGISTERS.

Discount .... 40 per cent

RIVETS AND BURRS.

Iron Rivets, black and tinned, discount 60 and 10 per cent.
Iron Burrs, discount 55 per cent.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets with usual proportion burrs, 45 and 10 dis., cartons, 1c. per lb. extra, net.
Copper Burrs only, 30 and 10 p.c.
Extras on Tinned or Coppered Rivets, ½-lb. cartons, 1c. per lb.

RIVET SETS.

Canadian, dis. 35 to 37½ per cent.

ROPE, ETC.

Sisal....	13
Pure Manilla....	15½
"British" Manilla....	13½
Cotton, 3-16 inch and larger....	16
" 5-32 inch....	21
" ⅛ inch	22
Russia Deep Sea....	15
Jute....	6
Lath Yarn....	

Sisal bed cord, 48 ft.....	per doz.	6
" " 60 ft.....	"	80
" " 72 ft.....	"	95

RULES.

Boxwood, dis. 55 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS.

	per set.
Mrs. Potts, No. 55, polished.	70
" No. 50, nickle-plated.	75

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 5 per cent.
Emery, 40 per cent.
Garnet (Rurton's), 5 to 10 p.c. advance on list

SAP SPOUTS.

Bronzed iron with hooks, per doz. 9 50

SAWS.

Hand Disston's, dis. 12½ p.c.
S. & D., 40 per cent.

Crosscut, Disston's, per ft..	0 35	0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3		
Hack, complete, each	0 75	2 75
" frame only	....	0 75

SASH WEIGHTS.

Sectional, per 100 lbs.....	2 25	2 50
Solid, "	1 75	2 00

SASH CORD.

Per lb.... 0 23 0 30

SAW SETS.

Lincoln and Whiting, per doz.	4 75
Hand Sets, No. 1 Woodyatt (Morrill)	4 25
X-cut Sets, No. 3 Woodyatt (Morrill)	9 50

SCALES.

Burrow, Stewart & Milne—
Imperial Standard, 45 per cent.
Weigh Beams, 35 per cent.
Champion Scales, 55 per cent
Fairbanks Standard, 35 p.c.
" Dominion, 55 p.c.
" Richelieu, 55 p.c.
Warren's new Standard 45 p.c.
" " Champion 55 p.c.

SCREW DRIVERS.

Sargent's per doz.... ..... 0 65 1 00

SCREWS.

Wood, F.H., bright and steel, 87½ and 10 p.c.
Wood R. H., " dis. 82½ and 10 p.c.
" F. H., brass dis. 80 and 10 p.c.
Wood, R. H., " dis. 75 and 10 p.c.
" F.H., bronze, dis. 75 p.c.
" R.H. " 70 p.c.
Drive Screws, 87½ and 10 per cent.

Bench, wood, per doz.	3 25	4 00
" iron. "	4 25	5 00

Set, Case hardened, 60 per cent.
Square Cap, 50 and 5 per cent.
Hexagon Cap, 45 per cent.

SCYTHES.

Per doz., net.... ..... 5 00 8 00

SCYTHE SNATHS.

Canadian, dis. 45 p.c.

SHEARS.

Bailey Cutlery Co., full nickeled, dis. 60 and 2½ p.c.
Bailey Cutlery Japan handles, 67½ p.c
Seymour's, dis. 50 and 10 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SINKS.

Steel and galvanized, discount 45 per cent

SNAPS.

Harness, German, dis. 25 p.c.		
Lock, Andrews'....	4 50	11 50

SOLDERING IRONS.

1, 1½ lb., per lb	0 37
2 lb. or over, per lb....	0 34

SQUARES.

Iron, No. 493, per doz.....	2 40	2 55
" Mo. 494, "	3 25	3 40

Steel, dis. 60, 10 and 5 p.c.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.

Plair, dis., 75 and 12½ p.c. off revised list.
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized....	3 25	3 50
Plain....	2 90	3 15

Coopers', discount 45 per cent.
Poultry netting staples, 40 per cent.

WINDOW GLASS —TO IMPORT.

Prompt Deliveries

EVERY KIND OF PLATE AND WINDOW GLASS IN STOCK.

BEST GLASS of all kinds, our own manufacture. **Closest Prices.**

TORONTO PLATE GLASS IMPORTING CO.,

Hill & Rutherford

Warerooms and Offices—135 to 143 Victoria St.
Bending Works—209 to 213 Victoria St.

TORONTO

STOCKS AND DIES.

American dis. 25 p.c.

STONE.	Per lb.	
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip,	0 09	0 09
Labrador	....	0 13
" Axe	....	0 15
Turkey	....	0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind. 2 in. 49 to 200 lb. per ton	....	25 00
" under 49 lb. "	....	28 00
Grind. under 2 in. thick "	....	29 00

STOVE PIPES.

5 and 6 inch Per 100 lengths	....	7 00
7 inch " "	....	7 50

ENAMELINE STOVE POLISH.

No. 4—3 dozen in case, net cash	$4 80
No. 6—3 dozen in case, "	8 40

TACKS, BRADS, ETC.

Cheese-box tacks, blued	80 & 12½
Trunk tacks, black and tinned	85
Carpet tacks, blued	80 & 15
" " tinned	80 & 20
" " (in kegs)	40
Cut tacks, blued, in dozens only	80
" ¼ weights	60
Swedes cut tacks, blued and tinned—	
In bulk	80 & 10
In dozens	75
Swedes, upholsterers', bulk	85, 12½ & 12½
" brush, blued & tinned, bulk	70
" gimp, blued, tinned and japanned	75 & 12½
Zinc tacks	35
Leather carpet tacks	55
Copper tacks	50
Copper nails	5½
Trunk nails, black	65 and 5
Trunk nails, tinned	65 and 10
Clout nails, blued	65 and 5

Chair nails		35
Patent brads		40
Fine finishing		40
Lining tacks, in papers		10
Lining tacks, in bulk		15
" " solid heads, in bulk		75
Saddle nails in papers		10
" " in bulk		15
Tufting buttons, 22 line, in dozens only		60
Tin capped trunk nails		25
Zinc glazier's points		5
Double pointed tacks, papers	90 and	10
" " " bulk		40
Shoe nails		60
Clinch and duck rivets		45

TAPE LINES.

English, ass skin, per doz.	2 75	5 00
English, Patent Leather	5 50	9 75
Chesterman's each	0 90	2 85
" steel, each	0 80	8 00

TINNERS' SNIPS.

Bailey's, dis. 25 p.c.

THERMOMETERS.

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TRAPS. (Steel.)

Game, Newhouse, dis. 25 p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's discount 10 per cent.
German, per doz. 4 75 6 00
S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb.	....	0 27
Wrapping, cotton, 3-ply		0 19
" 4-ply	....	0 23
Mattress, per lb.	0 33	0 45
Staging, "	0 27	0 35

VISES.

Wright's	....	0 13½
Brook's	....	0 12¾
Pipe Vise, Hinge, No. 1	....	3 50
" " " No. 2	....	5 50
Saw Vise	4 50	9 00

ENAMELLED WARE.

White, Princess, Turquoise, Blue and White, discount 50 per cent.
Diamond, Famous, Premier, 50 and 10 p.c.
Granite or Pearl, Imperial, Crescent, 50, 10 and 10 per cent.

WIRE.

SMOOTH STEEL WIRE.

No. 0-9 gauge		$2 60
10 "		6c. extra.
11 "		12c. "
12 "		20c. "
13 "		30c. "
14 "		40c. "
15 "		55c. "
16 "		70c. "

Add 60c. for coppering and $2 for tinning

Extras net per 100 lb. — Oiled wire 10c.; spring wire $1.25, special hay baling wire 30c.; best steel wire 75c., bright soft drawn 15c.; charcoal (extra quality) $1.25, packed in casks or cases 15c., bagging and papering 10c., 50 and 100-lb. bundles 10c., in 25-lb. bundles 15c., in 5 and 10-lb. bundles 25c., in 1-lb. hanks 50c., in ½-lb. hanks 75c., in ¼-lb. hanks $1.

Fine Steel Wire, dis. 22½ per cent List of extras: In 100-lb. lots: No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, 7.65—No. 24, $8—No. 25, $9—No. 26 $9.50—No. 27, $10—No. 28, $11 No. 29. $12—No. 30, $13—No. 31, $14—No. 32 $15, No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31 $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles. 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.50 to $3.85—No. 9, $2.85 to $3.15—No. 10, $3.60 to $3.95—No. 11, $3.70 to $4.10—No. 12, $3 to $3.30—No. 13, $3.10 to $3.40—No. 14, $4.10 to $4.50—No. 15, $4.60 to $5.05—No. 16. $4.85 to $5.35. Base sizes, Nos. 6 to 9 $2.52½ f.o.b. Cleveland.
Clothes Line Wire, regular 7 strand. No. 17, $4.65; No. 18, $2.90; No. 19, $2.60. Hollow 6 strand, No. 17, $4.30; No. 18. $2 70, No. 19, $2.35; No 20, $2.30, f.o.b. Hamilton, Toronto Montreal.

WIRE FENCING.

Galvanized barb	....	3 00
Galvanized, plain twist	....	3 00

Galvanized barb, f.o.b. Cleveland, $2.77½ in less than carlots, and $2.65 in carlots

WIRE CLOTH

Painted Screen, per 100 sq. ft., net. 1 37½
Terms, 3 per cent. off 30 days.

WASTE COTTON. per lb.

Colored	6
White	8

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 60 p.c.
Coe's Genuine, dis. 20 to 25 p.c.

Towers' Engineer, each	2 00	7 00
" S., per doz.	5 80	6 00
G. & K.'s Pipe, per doz.	....	3 40
Burrell's Pipe, each	....	3 00
Pocket, per doz.	0 25	2 90

WRINGERS.

Leader per doz.	$30 00	33 00
Royal Canadian "	....	24 00
Royal American, "	....	24 00
Sampson "	....	24 00

Terms 4 months, or 3 p.c. 30 days

WROUGHT IRON WASHERS.

Canadian make, discount, 40 per cent.

ADVERTISING in WESTERN CANADA

will be Carefully Efficiently, and Promptly attended to, by

The Roberts Advertising Agency,

WINNIPEG CANADA.



"Pullman" Lawn Sprinkler

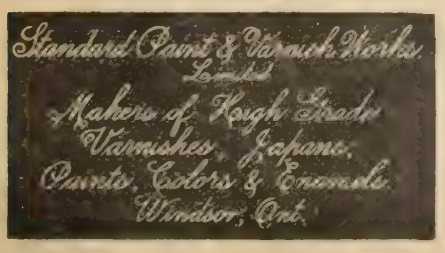
IS YOUR ORDER IN?

Send for Folder No. 11.

Pullman Sash Bal. Co.

Rochester, N.Y., U.S.A.

Persons addressing advertisers will kindly mention having seen their advertisement in The Canadian Hardware and Metal Merchant.



STEVENS ALL STEEL TOOLS

— ARE —

STANDARD FOR QUALITY.

Your stock is not complete without a full line of our **Rifles, Shotguns, Pistols, Tools and Victor Bicycles.**

Handled by the Leading Jobbers.

J. Stevens Arms & Tool Co., P.O. Box 217 Chicopee Falls, Mass., U.S.A.

CELEBRATED HEINISCH SHEARS.

Tailors' Shears,
Trimmers, Scissors,
Tinners' Snips, etc.



ACKNOWLEDGED THE BEST.

R. HEINISCH'S SONS CO. NEW YORK OFFICE, 90 Chambers St. NEWARK, N.J., U.S.A.

Not connected with any Shear Combination.



Ontario Nut Works, Paris

BROWN & CO.

Manufacturers of

All sizes of Hot Pressed Nuts, Square and Hexagon.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker,
13 St. John Street, Montreal

Representing British and American Manufacturers. Correspondence invited from firms wishing to be represented in Canada.

"THE EMLYN" SAW BENCH

Made in 6 sizes. Best value obtainable. Specially designed for export With or without "Emlyn" Patent Guard. Sole maker—

CHARLES D. PHILLIPS,

Cables—"Machinery," Newport.

Emlyn Engineering Works, NEWPORT, MON., ENGLAND.

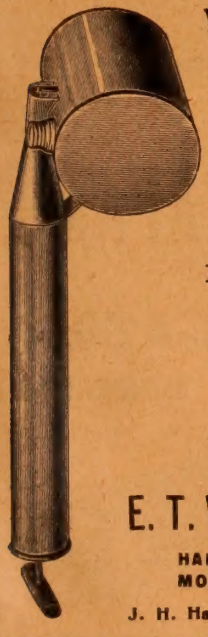
ONTARIO SILVER CO.,

Limited,

NIAGARA FALLS, CANADA.

Manufacturers of **FLATWARE, CUTLERY and ELECTRO PLATE. . . .**

Ask for our Catalogue and Quotations.



WRIGHT'S Insect Sprayers

PLAIN TIN, LACQUERED, ALL BRASS.

"BEST ON EARTH."

Manufactured by

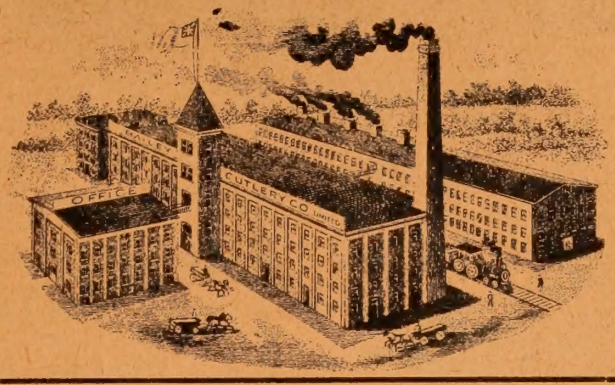
E. T. WRIGHT & CO.

HAMILTON, ONT., and MONTREAL, QUE.

J. H. Hanson, Agent, Montreal.

OUR LARGE NEW FACTORY

WHERE



Shears, Scissors, Razors, Butcher Knives and other Cutlery are made by

BAILEY CUTLERY CO., Limited

BRANTFORD, ONT.

Write for catalogue and prices.

CHAS. F. CLARK, President. **JARED CHITTENDEN, Treasurer.**

...ESTABLISHED 1849...

BRADSTREET'S

Capital and Surplus, $1,500,000. **Offices Throughout the Civilized World.**

Executive Offices: Nos. 346 and 348 Broadway, New York City, U.S.A.

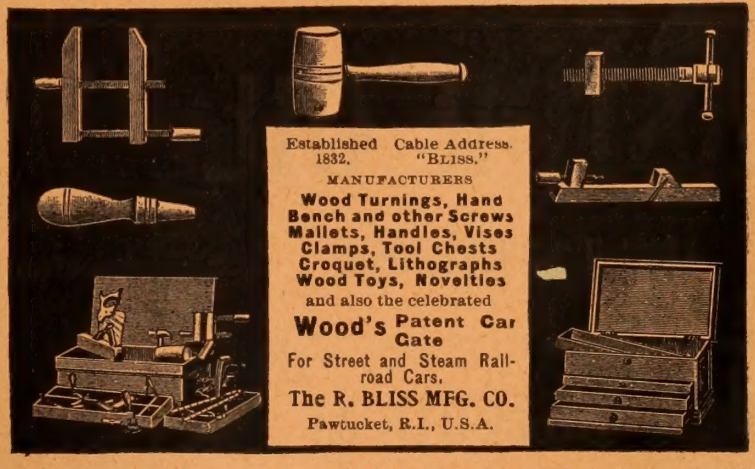
THE BRADSTREET COMPANY gathers information that reflects the financial condition and the controlling circumstances of every seeker of mercantile credit. Its business may be defined as of the merchants, by the merchants, for the merchants. In procuring, verifying and promulgating information, no effort is spared, and no reasonable expense considered too great, that the results may justify its claim as an authority on all matters affecting commercial affairs and mercantile credit. Its offices and connections have been steadily extended, and it furnishes information concerning mercantile persons throughout the civilized world.

Subscriptions are based on the service furnished, and are available only by reputable wholesale, jobbing and manufacturing concerns, and by responsible and worthy financial, fiduciary and business corporations. Specific terms may be obtained by addressing the Company at any of its offices. **Correspondence Invited.**

——OFFICES IN CANADA——

HALIFAX, N.S.	HAMILTON, ONT.	LONDON, ONT.	MONTREAL, QUE.
OTTAWA, ONT.	QUEBEC, QUE.	ST. JOHN, N.B.	TORONTO, ONT.
VANCOUVER, B.C.	VICTORIA, B.C.	WINNIPEG, MAN.	

THOS. C. IRVING. Gen. Man. Western Canada, Toronto. JOHN A. FULTON. Gen. Man. Eastern Canada, Montreal.



Established 1832. Cable Address. "BLISS."

MANUFACTURERS

Wood Turnings, Hand Bench and other Screws Mallets, Handles, Vises Clamps, Tool Chests Croquet, Lithographs Wood Toys, Novelties

and also the celebrated

Wood's Patent Car Gate

For Street and Steam Railroad Cars.

The R. BLISS MFG. CO.

Pawtucket, R.I., U.S.A.

Canadian Representative: ALEXANDER GIBB, 13 St. John St., MONTREAL.

75 YEARS. ***ESTABLISHED 1825.*** ***75 YEARS.***

Use Syracuse Babbitt Metal

IT IS THE BEST MADE.



For Paper and Pulp Mills, Saw and Wood Working Machinery, Cotton and Silk Mills, Dynamos, Marine Engines, and all kinds of Machinery Bearings.

Wire, Triangular and Bar Solder, Pig Tin, Lead, Ingot Copper, Ingot Brass, Antimony, Aluminum, Bismuth, Zinc Spelter, Phosphor Tin, Phosphor Bronze, Nickle, etc., always in stock.

Canadian Works, Montreal, P.Q.
American Works, Syracuse, N.Y.
Head Office American Works, 94 Gold Street, New York.

Syracuse Smelting Works

Est. 1826 Inc. 1895

Black Diamond File Works

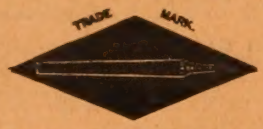
G. & H. Barnett Company

PHILADELPHIA

Twelve Medals



Awarded
By **JURORS** at
International Expositions
Special Prize
Gold Medal at Atlanta, 1895



PATENT INTERLOCKING RUBBER TILING.

The most perfect floor covering for Hotels, Cafes, Business Offices, Banks, Court Rooms, Churches, Hospitals, Vestibules, Halls, Billiard and Smoking Rooms, Lavatories and Bath Rooms.

NOISELESS NON-SLIPPERY
WATERPOOF SANITARY

Carefully selected range of soft, beautiful colors affording ample scope for combinations in harmony with surroundings.

Write for Prices and Particulars.

Sole Canadian Manufacturers . . .

THE GUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

Head Office and Warerooms—
45-47-49 West Front St.

TORONTO,

Factories 115-165 West Lodge Ave.
124-148 O'Hara Ave.

CANADA.

CASTOR OIL

BRITISH MANUFACTURED.

We have a full stock of

Pharmaceutical
First Pressure
Second Pressure

In Barrels and Cases.

Prices from stock and to import on application.

B. & S. H. THOMPSON & CO.

LIMITED

53 St. Sulpice Street,

MONTREAL.

VARNISHES AND JAPANS

McCASKILL, DOUGALL & CO.

Manufacturers MONTREAL



Standard Railway and Carriage Varnishes
Standard Boat and Spar Varnishes
—Wont turn white from the effects of water and sun.
Standard Piano, Furniture and Decorative Varnishes
Zanzerine Transparent Wood Finishes and Varnishes
Architectural Varnishes

OFFICES:

161 Summer St., BOSTON, Mass., U.S.A.

30 St. John St., MONTREAL.

THE DRINKWATER
BOOKBINDING CO.
35 MUTUAL ST.
TORONTO